



**CRA**

Computing Research  
Association

# Computing Research News

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COMPUTING RESEARCH ASSOCIATION, UNITING INDUSTRY, ACADEMIA AND GOVERNMENT  
TO ADVANCE COMPUTING RESEARCH AND CHANGE THE WORLD.

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## Cliff Lodge, Snowbird Resort, Utah

The biennial CRA Conference at Snowbird is the flagship invitation-only conference for the leadership of the North American computing research community.

**Invitees:** Computer science, computer engineering, and information technology department chairs; assistant, associate, and prospective chairs; directors of graduate or undergraduate education; directors of industry or government research labs/centers; and professional society or government leaders in computing.

**The conference site:** The Snowbird Resort is located in the Wasatch Mountains about 30 miles from Salt Lake City. A top-rated ski resort in the winter, off-season at Snowbird offers hiking amidst beautiful scenery.

### This year at Snowbird:

The 2016 CRA Snowbird conference will kick-off with a plenary conversation between John Markoff, the Pulitzer Prize-winning journalist who covers science and technology for *The New York Times*, and University of Washington professor Ed Lazowska. A second plenary will feature Jessica Hodgins, professor in the Robotics Institute and Computer Science Department at CMU. Panel sessions will include topics ranging from "Smart Cities" to "Computing's Place in the University to the Future of Work." A major focus of the conference will be booming enrollments, with a short plenary

followed by parallel sessions devoted to the topic, its various ramifications, and ideas to help you deal with it, including best practices for managing growth. The meeting will also feature a view into computing and Washington from CRA's Government Affairs Director Peter Harsha, and short after-dinner talks on computing research futures. New this year, we will facilitate book discussion groups over coffee.

In addition to the conference, a workshop for new department chairs will be co-chaired by Stephanie Forrest, University of New Mexico, and Martha Pollack, University of Michigan, on July 17. There will be several hours of free time for networking, mingling, hiking, or hanging out and enjoying the gorgeous environment.

Below is a preliminary program that will continue to be updated on the CRA website as additional information becomes available. Online registration will open on the CRA website in April 2016.

## CRA Conference at Snowbird 2016 Preliminary Program

### Sunday, July 17

3:00 – 5:45 pm	New Chairs Workshop
This workshop will give new CS Department Chairs some of the skills to lead their organizations and work with Deans, Provosts, and Advisory Boards – the stuff they never told you in graduate school.	
6:00 – 7:00 pm	Welcome Reception
7:00 – 9:00 pm	Dinner
Plenary Talk/Conversation 1	
Speaker: John Markoff, New York Times, in conversation with Ed Lazowska, University of Washington	

### Monday, July 18

8:30 – 10:00 am	Plenary Talk 2
Speaker: Jessica Hodgins, Carnegie Mellon University and Disney Research	
10:30 am – 12:00 pm	Brief Plenary Followed by Breakouts into Parallel Tracks – Booming Enrollments
<p>High Achievers</p> <p>Changing Student Motivations and Profiles</p> <p>Best Practices for Managing Large Enrollments</p> <p>Diversity in the Era of Booming Enrollments</p>	
Noon – 1:30 pm	Lunch
1:30 – 3:00 pm	Parallel Tracks
<p>CS Backlash</p> <p>Extracurricular Temptations – Hackathons, Innovation Contests, etc.</p> <p>CS Education Research as CS Research</p>	
3:30 – 5:00 pm	Networking Activities
6:30 – 9:00 pm	Dinner
After dinner research talks – Organized by the Computing Community Consortium	

## Tuesday, July 19

8:30 – 10:00 am	Reading Group Breakouts – organized discussions based on pre-selected books
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Send ideas for books to Ellen Zegura ([ewz@cc.gatech.edu](mailto:ewz@cc.gatech.edu)).

10:30 – 12:00 pm	Parallel Tracks
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Data Science

Department Rankings

Bio/3D/Sustainable Materials

Noon – 1:30 pm	Lunch
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1:30 – 3:00 pm	Parallel Tracks
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Schools and Colleges of Computing

Future of Work

Smart Cities

3:30 – 5:00 pm	Plenary Talk 3 – Policy (Chair: Peter Harsha, CRA)
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5:30 – 6:30 pm	TBD
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# 2016 Outstanding Undergraduate Researcher Award Winners



This year's nominees were a very impressive group. A number of them were commended for making significant contributions to more than one research project, several were authors or coauthors on multiple papers, others had made presentations at major conferences, and some had produced software artifacts that were in widespread use.

Many of nominees had been involved in successful summer research or internship programs, many had been teaching assistants, tutors, or mentors, and a number had significant involvement in community volunteer efforts.

CRA gratefully acknowledges the support of Microsoft Research and Mitsubishi Electric Research Labs (MERL) who sponsor the Outstanding Undergraduate Researcher Award program in alternate years. Mitsubishi Electric Research Labs is the sponsor of this year's awards.

A list of the winners, runners-up, finalists, and honorable mentions appears below.

## Female, non-PhD-granting institution

### Awardee



**Lisa Jones**, United States Military Academy – West Point

Lisa Jones is a senior computer science and mathematics major at the United States Military Academy (West Point). Her research interests include computational phylogeny, cryptography, and quantum computing, with recent projects including endgame studies in quantized chess, computational comparisons of large numbers of evolutionary trees, and discovering invariants in quantum error correcting codes. Lisa

is also an accomplished musician, and she is the President of the United States Military Academy's local chapter of the ACM Committee on Women in Computing.

### Runner-up



**Weiyun (Anna) Ma**, Harvey Mudd College

Weiyun Ma is a junior majoring in computer science and mathematics at Harvey Mudd College. Her research is in the area of computational biology, working on phylogenetic tree reconciliation algorithms that can enable the reconstruction of evolutionary histories of co-evolving species. Her results include an NP-Completeness proof and a fast approximation algorithm for a tree reconciliation problem, as well as implemented demonstrations of the algorithm's efficiency. She is also a highly regarded pianist whose recent public performances include Mozart and Beethoven piano sonatas.

### Honorable Mentions

Lillian Pentecost, Colgate University  
Siruo Wang, Centre College  
Xilin Yu, Mount Holyoke College

## Female, PhD-granting institution

### Awardee



**Katherine Ye**, Princeton University

Photo credit:  
Lisa Gong

Katherine Ye is a senior computer science major at Princeton University. Her research applies formal methods and program synthesis techniques to create high-assurance software and hardware, and her past projects have included the formal

specification of DNS servers and verification of elements of cryptographic systems. Katherine's current work continues at the intersection of formal methods and cryptography, developing computer-checked proofs of security properties of pseudo-random number generators.

### Runner-up



**Megan Hofmann**, Colorado State University

Megan Hofmann is a junior majoring in computer science at Colorado State University. Her research interests are in the area of assistive technology, improving quality of life for people with disabilities. Her recent work focuses on design methodologies and tools for 3D printing of custom devices; examples include devices for people with arthritis or other grip impairments, and custom prosthetics with task-specific components (e.g., cello bow holder, table knife holder). Megan is also a founding member and co-chair of the Colorado State University chapter of the ACM Committee on Women in Computing.

### Finalists

Alison Clark, University of British Columbia  
Krittika DSilva, University of Washington  
Alison Kendler, Boston University  
Caroline Lemieux, University of British Columbia

### Honorable Mentions

Andrea Bajcsy, University of Maryland  
Alison Chang, Columbia University  
Jennifer Hammelman, Tufts University  
Kesha Hietala, University of Minnesota  
Yuqian Jiang, The University of Texas at Austin  
Tara Kola, Tufts University  
Minae Kwon, Cornell University  
Jingyi Li, University of California – Berkeley  
Ramya Rangan, Harvard University  
Esther Rolf, Princeton University  
Joyce Zhu, University of Rochester

## Male, non-PhD-granting institution

### Awardee



**Jared Coplin**, Texas State University

Jared Coplin is a senior majoring in computer science and minoring in mathematics at Texas State University. His research is on energy, power, and performance considerations of GPUs, including studies of the power behavior of GPGPU programs under various hardware settings and the effects of software optimizations on GPU performance. Jared is also a veteran of military service, and he has expressed interest in becoming a professor so he can do research and teach.

### Finalists

Richard Barella, Washington State University – Vancouver  
Tian Jin, Haverford College

### Honorable Mentions

Matt McNiece, Wake Forest University  
Alexander Putman, Harvey Mudd College

## Male, PhD-granting institution

### Awardee



**Mitchell Gordon**, University of Rochester

Mitchell Gordon is a senior computer science major at the University of Rochester, with research interests in the area of human-computer interaction. Mitchell develops crowd-powered systems for various application domains: one project uses crowdsourcing to rapidly annotate behavioral events in videos, while also exploring how the privacy of individuals in videos can be protected; another project applies crowdsourcing to generate tutorials for a web-based computer science education system. He has also been a research intern at Google and a computer science teaching assistant at the University of Rochester.

## Runner-up



**Rohan Chitnis**, University of California – Berkeley

Rohan Chitnis is a senior majoring in electrical engineering and computer science at the University of California, Berkeley.

Much of his research has been in robotics,

where he works on hierarchical approaches for robot task and motion planning in real-world environments. Rohan is also interested in natural language processing research, working on systems that use neural networks to do machine translation. His research goal is to integrate natural language processing into hierarchical planning, an interdisciplinary combination of his interests that can make personal robots more robust and efficient.

## Selection Committee:

Eric Aaron (Vassar College), Chair  
Michela Becchi (University of Missouri)  
Sorelle Friedler (Haverford College)  
Rajiv Gandhi (Rutgers University, Camden)  
James Geller (New Jersey Institute of Technology)  
Walter Lasecki (University of Michigan)  
Lydia Tapia (University of New Mexico)

Thank you to those who volunteered their time to serve on the selection committee for this award.

## Finalists

Sitan Chen, Harvard University  
Adnan Haider, Illinois Institute of Technology  
Yunsung Kim, Columbia University  
Zhiyuan Lin, Georgia Institute of Technology  
Samuel Saarinen, University of Kentucky

## Honorable Mentions

Jonathan Behrens, Cornell University  
Frank Cangialosi, University of Maryland  
Isaac Cohen, Boston University  
Joshua Daymude, Arizona State University  
Zhengqi Li, University of Minnesota  
Darby Losey, University of Washington  
Trevor Nelligan, Texas A&M University – College Station  
Thomas Schaffner, Tufts University  
Geet Sethi, Rutgers University  
Benjamin Spar, Princeton University  
Andrew Wells, Catholic University of America  
Zhengyang Wu, Georgia Institute of Technology  
Robert Ying, Columbia University  
Andrey Zaytsev, University of Illinois at Urbana-Champaign  
Marvin Zhang, University of California – Berkeley  
Daryl Zuniga, University of Washington

# Petition Nominees Sought for CRA Board of Directors



The Computing Research Association seeks your help in suggesting nominations for its Board of Directors. We need individuals who have the time, energy, initiative, and resources to work on CRA issues on behalf of the CRA community. Ours is a working board, and all members are expected to work on community issues.

A complete nomination package for petition candidates must be submitted [here](#) no later than February 5, 2016. Separately, each of the five supporters of the petition must send an e-mail to [elections@cra.org](mailto:elections@cra.org) simply stating their support for the petition candidate to run for a seat on the CRA Board of Directors.

Questions can be sent to [elections \[at\] cra.org](mailto:elections@cra.org).

The CRA Elections Committee has recently announced its slate of nominees for a seat on the Board of Directors. CRA also encourages nominations by petition. Petition nominations signed by the Designated Voting Representatives of **at least five** Constituent Member Organizations that are current in dues payment will be accepted until **February 5, 2016**.

## Important dates and events:

- ▶ On February 5, 2016 petition nominations due
- ▶ On February 12, 2016, final ballots will be distributed to all CRA department chairs and lab directors. Each will have one vote for each open slot on the board.
- ▶ On February 26, 2016, completed ballots must be returned to CRA.
- ▶ In early March, the election results will be announced.

## 2016 Election Committee's slate of nominees for the CRA Board

CRA is pleased to announce the 2016 Election Committee's slate of nominees for the CRA Board:

### Academic Nominees (4 openings)

Jay Aslam (Northeastern University)  
Ivona Bezakova (Rochester Institute of Technology)  
Chris Johnson (University of Utah)  
Sri Kurniawan (University of California, Santa Cruz)  
Dinesh Manocha (UNC Chapel Hill)  
Penny Rheingans (University of Maryland, Baltimore County)  
Shashi Shekhar (University of Minnesota)  
Josep Torellas (University of Illinois at Urbana-Champaign)  
André van der Hoek (University of California, Irvine)

### Industrial Nominees (2 openings)

Ron Brachman (Yahoo Labs)  
Arnie Lund (GE Global Research)  
Min Wang (Visa)



## Announcements

### CRA Surveys in Progress, Deadline January 22

Two CRA surveys are due January 22.

**Taulbee Survey.** The main part of the Taulbee Survey is still in progress. This includes data on student degrees and enrollment, faculty, research expenditures, and the every-three-years Profiles questions about department space, teaching load, and graduate student recruitment.

The salary part of the Taulbee was due November 30. The preliminary salary report went to participants in December, but salary data can still be accepted for the full Taulbee report and will still make CRA members eligible for peer group comparison reporting. The survey can be reopened for your academic unit, but you will have to request it.

**Enrollments Survey.** CRA is conducting a one-time survey of doctoral institutions that goes beyond Taulbee's basic enrollment numbers to collect information on the current surge in computer science enrollments. It asks about the growth departments may be experiencing, what impacts they are seeing, and how they are responding. Similar questions are being asked of nondoctoral institutions through the ACM NDC survey. Preliminary results of this survey will be presented at SIGCSE in March and complete results at Snowbird in July. Results will also be shared with a National Academies study on computing enrollments.

If you have any questions about either survey, contact Dr. Betsy Bizot, CRA Director of Statistics and Evaluation, [bizot@cra.org](mailto:bizot@cra.org) or 202-266-2943.

The higher our response rates, the more complete and valuable this information will be. We encourage all academic units to participate.

### Call for Nominations for BECA Award



**CRA-W**  
Computing Research  
Association  
Women

Take the time to nominate an individual for the CRA-W Borg Early Career Award (BECA). Nominations are open to women who are early in their careers in computer science and engineering and deserve to be recognized for significant research contributions and positive/significant impact on advancing women in the computing research community.

**Deadline:** February 15

### New CRA Board Member

Tom Conte is the new IEEE-CS representative on the CRA Board of Directors. Tom joins David Ebert and replaces Jean-Luc Gaudiot who has been elected IEEE-CS 2017 president. Tom was the president of IEEE-CS in 2015.

Tom Conte is a Professor joint appointed in the schools of Computer Science and Electrical & Computer Engineering at Georgia Institute of Technology. His primary research area is computer architecture with a recent emphasis on highly novel computer architectures. As to the latter, he co-chairs the IEEE Rebooting Computing Initiative. The initiative is charged with rethinking all levels of how we compute with a goal of restarting the industry's historic exponential performance scaling. In 2015, he served as the president of the IEEE Computer Society and is a fellow of the IEEE. He is widely published and holds 35 US patents.



# CRA-E Announces New Program and Service



**CRA-E**

Computing Research  
Association  
Education

The Computing Research Association Education Committee (CRA-E) is pleased to announce the CRA-E Graduate Fellows Program and a new Undergraduate Research Listing Service.

## CRA-E Graduate Fellows

The CRA-E Graduate Fellows program provides opportunities for Ph.D. candidates in a computing field to contribute to CRA-E projects, to network with computer science education advocates on the committee, and to engage in advocacy for mentoring undergraduate students and to promote undergraduate research and education at the national level.

CRA-E plans to appoint up to two graduate fellows per year, who will serve as members of the committee, providing a voice for graduate students. The fellows will attend the annual CRA-E meeting (travel expenses funded by CRA-E),

serve on a CRA-E subcommittee related to their interests and expertise, and contribute to the [CRA-E Conquer](#) site that provides resources for undergraduate research and applying to graduate school.

Faculty members are invited to nominate a graduate student by **January 30, 2016**. More information for students and nominators is available at <http://cra.org/crae/activities-2/fellows>.

Please consider nominating a graduate student and encourage your colleagues to do so too!



## Undergraduate Research Listing Service

A new "undergraduate research listing service" is now available for faculty and other researchers to advertise (at no cost) undergraduate research opportunities and for undergraduates to find such opportunities. The site can be found here: <http://conquer.cra.org/research-opportunities>.

This site can be used to advertise individual summer positions, research programs, and any other opportunities for undergraduates to engage in research in the computing field. If you have a research opportunity available, please post it here: <http://conquer.cra.org/post-a-research-opportunity>.

This service is a new feature on CRA-E's Conquer site, which provides resources for students interested in computing research and graduate school, and for faculty advisers and mentors.

Please share the [listing site](#) and [Conquer](#) with your colleagues and students. We encourage you to link to them from your department site.

# CS in DC: Profiles of Computing Researchers in Policy Roles in the Nation's Capital

Jim Kurose, Assistant Director, National Science Foundation, Computer & Information Science & Engineering

*As part of CRA's mission to help the computing research community become more engaged in policymaking and programmatic roles in D.C., we've embarked on a new effort to highlight the work of members of the computing research community who have taken the plunge and chosen to serve the nation in policymaking roles. This new column—which will become part of CRA's new website to be launched this summer—will provide these policymaking researchers an opportunity to highlight work that the community should know about, as well as raise awareness of the types of opportunities that are available to those interested in serving.*



Jim Kurose is an assistant director (AD) at the National Science Foundation (NSF), where he leads the Directorate of Computer and Information Science and Engineering (CISE) in its mission to uphold the nation's leadership in scientific discovery and engineering innovation through its support of fundamental research and transformative advances in cyberinfrastructure. He is on leave from the

University of Massachusetts, Amherst, where he is a distinguished professor in the College of Information and Computer Sciences.

## What do you do in your current position?

I lead the CISE directorate—one of seven NSF directorates—with more than 140 staff and an FY 2016 annual funding of more than \$935M. By some measures, CISE provides more than 80% of the federal funding for academic computer science research in our country. We do this by working closely with the CISE community to identify opportunities that will continue to transform not only our CISE discipline but other areas of science and engineering as well. I also work closely with the assistant directors of the other NSF directorates and with the Office of the Director. Beyond NSF, I work with folks from other federal agencies, industry, and international organizations—many of whom we partner with on solicitations. And I work with folks from the White House's Office of Science and Technology Policy (OSTP) and Office of Management and Budget (OMB), as well as Congress. I

think these broad and diverse interactions reflect the reach, importance, and impact of our discipline. I've been a faculty member at the University of Massachusetts for more than 30 years. When one of my kids was asked some years ago in school, "What does your father do?", her answer was that I have a lot of meetings. In some sense, I guess that that's still very much true.

## What do you hope to accomplish in your time in D.C.?

It's an incredibly exciting time to be in computer science. We're seeing tremendous research advances within our core discipline, as well as synergistic collaborative research opportunities with many other disciplines. Computation and data analytics have become fundamental tools for scientists and engineers. Interest in CS in our nation's high schools and enrollments in colleges and universities are booming. NSF will continue to develop programs that nurture, and build on, these activities.

During my time as CISE AD, I hope to enable the CISE community to make continued research advances within our core disciplines, as well as in synergistic collaborative research areas. Our community's leadership in national initiatives, including Smart and Connected Communities, the National Strategic Computing Initiative, the National Robotics Initiative, the BRAIN Initiative, and the National Big Data Research and Development Initiative, is and will continue to be imperative. I also very much hope to expand activities to forge federal, university, and industrial partnerships, and to

increase CISE's collaboration with other agencies and with international partners. The role of our Division of Advanced Cyberinfrastructure (ACI) continues to be a NSF-wide priority, given the importance of cyberinfrastructure (computation, data, software, networks, and people) across all of science and engineering. Finally, with growing student interest and enrollments in CS in our nation's colleges and universities, I hope to continue to nurture, and build on, this interest. A recent *ACM Inroads* [article](#) I wrote provides more context.

### How can the computing community participate in your work?

NSF is unique among federal agencies in that our program directors and staff are very closely attuned to the research community. Many, like me, come from the community and are on temporary leave from their university while [serving at NSF on an IPA](#) [Inter-governmental Personnel Act]. It's critical that our programs reflect the current needs of our community; we learn about those needs through workshops, proposal review panels, advisory committees, and many one-on-one meetings, so I encourage you to reach out to NSF to serve on

panels, to participate in workshops and advisory committees, and to visit us and others in government—be involved! Even more, consider an IPA assignment at NSF or at another federal agency. I (and others who have been featured in [this CRN column](#)) can promise it'll be an interesting, challenging, and rewarding experience!

### What are your thoughts on the experience so far?

It's been extremely interesting! Amazing! Fabulous! I really do consider it a privilege to be able to serve our community in this position. My colleagues in CISE, in NSF, and elsewhere in the government are amazing! Starting any new job can be like drinking from a fire hose, and this job was certainly no exception. But it's been 110% engaging! With a full year now behind me, I hope that my experience can help really move the needle in some of the areas noted above, and to continue NSF's stellar track record for advancing transformative research through our investments in people, ideas, and infrastructure.

# Nominations Sought for New CCC Council Members



The [Computing Community Consortium \(CCC\)](#) is charged with catalyzing and empowering the U.S. computing research community to articulate and advance major research directions for the field. To do so, the CCC needs truly visionary leaders—people with great ideas, sound judgment, and the willingness to work hard to see things to completion. Please help the computing community by nominating such people for its Council.

Established in 2006 through a cooperative agreement between the [U.S. National Science Foundation \(NSF\)](#) and the [Computing Research Association \(CRA\)](#), and representing more than 220 North American academic departments, industrial research labs, and professional societies with computing research interests, the CCC *provides a voice for the national computing research community, and facilitates the development of a bold, multi-themed vision for computing research, and communicates that vision to a wide range of major stakeholders.*

For more information about the CCC, please visit our [website](#) and [blog](#).

The work of the CCC is carried out by an active and engaged [Council](#), currently led by [Greg Hager](#) (Johns Hopkins University) as Chair and [Beth Mynatt](#) (Georgia Tech) as Vice Chair. The members of the Council are appointed by CRA in consultation with NSF, for staggered three-year terms. In the aggregate, the Council must reflect the full breadth of the computing research community — research area, institutional character, geographic diversity, etc. The CCC is staffed by a full-time director, [Ann Drobnis](#).

The CCC's Nominating Subcommittee invites nominations, including self-nominations, for members yearly. A new call is issued each December.

**The CCC's Nominating Subcommittee invites nominations, including self-nominations, for members to serve on the CCC Council for the next three years, beginning July 1, 2016.**

Please send nominations, together with the below requested information, to [ccc-nominations@cra.org](mailto:ccc-nominations@cra.org) by 11:59 p.m. EST on Friday, February 5, 2016. The subcommittee's recommendations will serve as input to CRA and NSF, who will make the final selection. Please include:

- ▶ Name, affiliation, and email address of the nominee
- ▶ Areas of research expertise
- ▶ Previous significant service to the research community and other relevant experience, with years it occurred (no more than \*five\* items)
- ▶ A brief biography or curriculum vitae of the nominee
- ▶ The names and contact information (email and phone) for 2-3 people who would be knowledgeable about the nominee's potential for such a service role
- ▶ A statement from the nominee of less than one page, supporting his or her nomination by describing his or her ideas for, and commitment to, advancing the work of the CCC in encouraging new research directions, engaging broader communities, and finding wider funding sources.

If you have any questions, please direct them to the CCC Director, Ann Drobnis ([adrobnis@cra.org](mailto:adrobnis@cra.org)).

## Call for Proposals: Creating Visions for Computing Research

The CCC is issuing a new [call for proposals](#) for workshops that will catalyze and enable innovative research at the frontiers of computing. For more information, see the complete call for proposals. If you have questions, please e-mail us ([cccrrfp@cra.org](mailto:cccrrfp@cra.org)) or see the slides from the [Visioning Activities Webinar](#).

# Computer-Aided Personalized Education Visioning Workshop



*The following post was co-authored by [Andrew Lan](#), a PhD student in the [Electrical and Computer Engineering Department](#) at [Rice University](#). Andrew recently attended the [Computing Community Consortium Computer-Aided Personalized Education Workshop](#) in Washington, DC.*

The demand for education in STEM fields is exploding, and universities and colleges are straining to satisfy this demand. In the case of Computer Science, for example, the number of US students enrolled in introductory courses has grown three-fold in the past decade. Recently massive open online courses (MOOCs) have been promoted as a way to ease this strain, but scaling traditional models of teaching to MOOCs poses many of the same challenges observed in the overflowing classrooms, namely, assessment of students' knowledge and providing meaningful feedback to individual students. This motivates a new agenda for computing research: formalize tasks such as assessment and feedback as computational problems, develop algorithmic tools to solve resulting problems at scale, and incorporate these tools effectively in learning environments.

On November 12th and 13th the [Computing Community Consortium](#) (CCC) held a visioning workshop on [Computer-Aided Personalized Education](#) (CAPE) in Washington, DC to address these challenges. The workshop brought together more than 50 researchers from academia, industry, and the government in order to foster new collaborations among participants from diverse disciplines and to suggest new research directions in computer-aided personalized education.

The workshop focused around three broad themes: **tools for personalized education**, such as tutoring tools for automatic assessment, personalized feedback, and adaptive content generation for a variety of subjects, with an emphasis on building tools applicable across a wide range of STEM domains; **modes of learning**,

involving the cognitive science of learning and human-computer interaction, how different students learn, when intervention is effective, and how to measure the success of educational tools; and **infrastructure** to facilitate large-scale deployment of educational tools, for data sharing, and experimentation and grand challenges.

Day one of the workshop included three panel sessions each based around one of the three themes. Each panel consisted of five or six panelists who each gave a short presentation about their research as it related to the topic and then a question and discussion portion between the panel and the broader workshop group. At the end of the day there was a demo and poster session, which provided an opportunity for participants to display their tools and research and spark further conversation.

Day two of the workshop saw participants split into working groups around each theme in order to further assess the current state of educational technology and what the future of innovation holds. A consensus across the working groups is to encourage more collaboration between computer scientists and cognitive scientists. The development of personalizing education tools will benefit from integrating cognitive science principles, and cognitive science research can also benefit from these tools by analyzing student data to gain better insights into how students learn.

More information about the workshop can be found on the [event webpage](#). A detailed white paper outlining the challenges and possibilities of further developing computer-aided personalized education is being written and will be released on this blog in the coming months.



# Mentoring the Whole STEM Person: Advancing LGBTQ+ students and professionals

By Allison Mattheis, Rochelle Diamond, and Mary Fernández

January is National Mentoring Month, a great time to learn how mentoring can help support students and professionals in computing research, and in Science, Technology, Engineering, and Mathematics (STEM) more generally. Mentoring is especially important for individuals in STEM from underrepresented groups in promoting persistence and success in education and professional settings. Effective mentoring programs help mentors and mentees consider various attributes of their identities and experience, like race, ethnicity, socio-economic status, and educational background, which may influence their persistence and success. Although effective programs aim to support the whole person, gender identity and expression and sexuality orientation are often overlooked.

Improving the knowledge, cultural competency, and mentoring skills of educators and professionals who mentor lesbian, gay, bisexual, transgender, queer, intersex, and asexual (LGBTQ+) students and early career professionals will address an area of unmet need and complement other efforts to attract and retain LGBTQ+ people in STEM fields. Since 2006, [the National Organization of Gay and Lesbian Scientists and Technical Professionals \(NOGLSTP\)](#) and [MentorNet, a division of Great Minds in STEM](#), have collaborated to provide LGBTQ+ mentors and mentees in STEM fields with access to one-to-one virtual mentorships. NOGLSTP and MentorNet are collaborating on the creation of evidence-based mentoring resources for the LGBTQ+ STEM community and are committed to broad dissemination of these resources. We welcome others interested in collaboration.

LGBTQ+ individuals face unique challenges in pursuing STEM degrees and careers and throughout all stages of career development (Gedro, 2009). Recent work indicates that LGBTQ+

individuals think about leaving computer science degree programs to a greater degree than non-LGBTQ+ individuals, due to LGBTQ+ students' relatively lower sense of belonging (Stout & Wright, in press). Although research has shown the negative impact that stigma plays on LGBTQ+ people in education and the workplace, targeted interventions have been shown to improve professional climates. Studies demonstrate how hetero-normative assumptions in professional norms and workplace socialization increase pressure on LGBTQ+ individuals to downplay their gender identity and sexual orientation or to hide their queer identities entirely. In contrast, employees who disclose their identities at work report higher job satisfaction and lowered anxiety (Griffith & Hebl, 2002).

A growing body of research demonstrates how LGBTQ+ individuals benefit from the individualized support of mentorships in the academy and the workplace. LGBTQ+ undergraduate mentees matched with LGBT mentors experience benefits such as personal support during various phases of their development as a sexual minority, increased access to community resources, and increased connection to their universities (Ross, 2005). Students with mentors in the workplace are found to have higher academic achievement than those without mentors (Hamilton & Hamilton, 2013), and the presence of mentors for 25- to 31-year olds is linked with higher skill levels in employees (McDonald & Lambert, 2011). Mentors' vital functions include skill instruction, role modeling, and individualized support (Hamilton and Hamilton, 2013).

Mentoring is not a panacea or one-size-fits-all endeavor (DuBois, Portillo, Rhodes, Silverthorn, and Valentine, 2011; Rhodes, 2002). Mentoring services must be designed to reflect the unique needs and circumstances of the individuals



served (Rhodes, 2005). Further, mentoring, when not done intentionally, may cause more harm to a mentee than if he or she had never been in a mentorship (DuBois, et al., 2011). Adherence to evidence-based practices, which include guidance for recruitment, screening, matching, training, and case management support, help ensure that mentoring services are of the highest quality (MENTOR, 2009). The intersection between personal and professional identity is linked for LGBTQ+ populations, therefore mentoring best practices should incorporate awareness of this intersection.

The findings of the national Queer in STEM study (Yoder and Mattheis, 2015) support the benefits of mentorships found in other studies (see Eagan, et al., 2013). Interestingly, few respondents could identify at least one openly LGBTQ+ teacher or faculty member during their STEM education. Many also described feeling pressure to separate their personal and professional lives, revealing a general culture of silence about many aspects of personal identity in STEM fields. NOGLSTP and MentorNet advocate mentoring practices that increase awareness in the STEM community about gender identity and expression and sexual orientation and that empower LGBTQ+ students and professionals to bring their whole self to their educations and careers. Mentorships can help individuals from the LGBTQ+ populations, and from other underrepresented groups, build relationships of mutual trust and support that strengthen their professional networks and that support their persistence and success throughout their STEM educations and careers.

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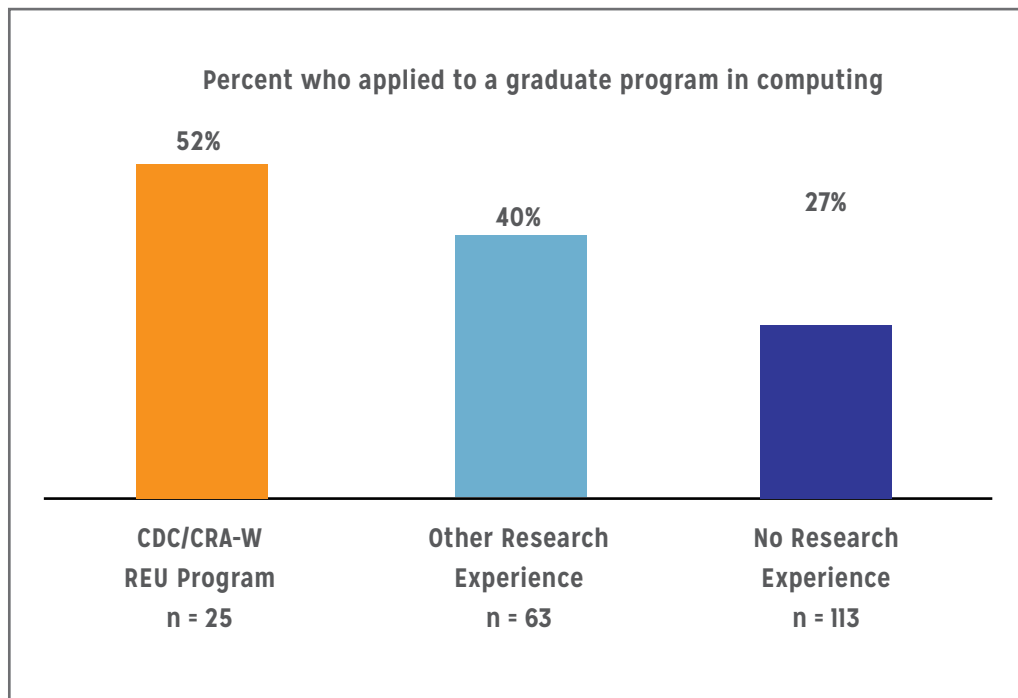
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## Racial/ethnic minority students who are CDC/CRA-W REU participants are particularly likely to apply to a graduate program in computing

By Jane Stout, CERP Director



A sample of racial/ethnic minority undergraduate students graduating with a computing major (N = 201) reported whether they had applied to a graduate program in the fall. Students who had participated in a CDC/CRA-W REU program were significantly more likely to have applied to graduate program in computing than their peers with no undergraduate research experience ( $p < .05$ ). Among students who had other research experiences and students with no research experience, there was no difference in graduate school application rates ( $p = .13$ ). Importantly, this analysis controlled for students' college GPA and parental education level, indicating that participating in a CDC/CRA-W REU program predicted applying to a computing graduate program over and above GPA and parental education level.

*Data source: aggregated data from the CRA's annual Data Buddies surveys for graduating students, collected during the spring of 2011, 2012, 2013, 2014 and 2015. Racial/ethnic minority students: African American/Black (n = 76); Hispanic/Latina/o (n = 39); Native Hawaiian/Pacific Islander (n = 2); Mixed race/ethnicity, where students identified with at least one of the following groups: African American/Black, Hispanic/Latina/o, or Native Hawaiian/Pacific Islander (n = 85). Other research experience: formal research experience at students' home institution or another institution either during the summer or school year.*



**CERP**  
Computing Research Association  
Evaluation

This analysis is brought to you by the CRA's Center for Evaluating the Research Pipeline (CERP). CERP provides social science research and comparative evaluation for the computing community. To learn more about CERP, visit our website at <http://cra.org/cerp/>

# Expanding the Pipeline

## CRA-W Mentoring at the 2015 Grace Hopper Celebration of Women in Computing

By Tracy Camp, CRA-W Member

The 2015 Grace Hopper Celebration of Women in Computing (GHC) was the largest-ever gathering of women technologists. GHC 2015 was held at the George R. Brown Convention Center in Houston, Texas, from October 14 -16, 2015. Following the trend of recent years, the size of the conference dramatically increased once again: from 3,600 in 2012 to 4,700 in 2013 (~31% increase) to 7,800 in 2014 (~66% increase) to more than 12,000 in 2015 (~54% increase).

The theme of GHC 2015 was "Our Time to Lead." Each day of the conference had technical tracks, career tracks, and a huge career/community fair (of which CRA-W took part). The two keynote speakers were fantastic, including former CRA-W board member Manuela Veloso. And, of course, the Celebration on Friday evening was a raging good time.

For the 7th year in a row, CRA-W has provided [career mentoring content](#) for GHC attendees interested in academic and/or industrial research. The 2015 CRA-W mentoring sessions took place on the initial day of GHC, October 14, and consisted of two flavors.

First, mainly for undergraduate students, CRA-W staffed eight tables in the Student Opportunity Lab (SOL) on five different topics: 1) "How to Be Successful Post-Bachelor's?" 2) "Is Graduate School for You?" 3) "Masters or Ph.D.?" 4) "How to Successfully Apply to Graduate School?" and 5) "What is Computing Research? How Can Undergraduates Participate?" The SOL at GHC 2015 was in a large convention center room, and had about 35 tables with 1-2 mentors at each table leading discussions on different topics. The short 20-minute sessions allowed small groups of students to have interactive discussions with mentors at several different tables over the 2.5-hour SOL session. The CRA-W tables for the GHC SOL were led by CRA-W board member Andrea Danyluk, Williams College. For 2015, she recruited 26 talented mentors, coordinated all eight of the CRA-W tables, and produced fabulous mentoring material for each table that is [available online](#). The CRA-W tables were quite a success, as illustrated by the lack of empty seats during most of the 2.5-hour SOL session.

Second, CRA-W provided career mentoring to graduate students, [early career academics](#), and [mid-career academics](#) via three parallel workshops. These workshops are designed to be "bite-sized" versions of our longer workshops (i.e., the [Grad Cohort Workshop](#), the Early Career Mentoring Workshop, and the Mid-Career Mentoring Workshop). Details on the GHC 2015 version of the CRA-W workshops are available [here](#). CRA-W partners with the Anita Borg Institute in order to offer career advice to hundreds of GHC attendees, as well as to help ensure these attendees are aware of the other programs that CRA-W offers. All speakers for the CRA-W workshops at GHC 2015 are either current or former CRA-W board members.

The 2015 CRA-W track for graduate students focused on helping attendees succeed in graduate school with the following three sessions: 1) "Building Self Confidence," presented by Cecilia Aragon, University of Washington, and Patty Lopez, Intel Corporation, 2) "Presentation and Other Verbal Communication Skills," presented by Kathryn McKinley, Microsoft Research, and Susan Rodger, Duke University, and 3) "Finding a Research Topic," presented by A. J. Brush, Microsoft Research, and Valerie Taylor, Texas A&M. The CRA-W Graduate Student Workshop is consistently popular at Grace Hopper, as evidenced by the large number of people who attend each session.



CRA-W Speakers at GHC 2015 (all current or previous CRA-W board members).

The 2015 CRA-W track for early career professionals focused on helping attendees succeed in a tenure-track position with the following three sessions: 1) “The Tenure Process,” presented by Joan Francioni, Winona State University, and Julia Hirschberg, Columbia University, 2) “Advising/Supervising Students,” presented by Lori Pollock, University of Delaware, and Maria Gini, University of Minnesota, and 3) “Effective Leadership,” presented by Carla Brodley, Northeastern University, and Kathleen Fisher, Tufts University. Lastly, the 2015 CRA-W track for mid-career professionals focused on helping attendees succeed post-tenure with the following three sessions: 1) “Gaining Recognition,” presented by Mary Jane Irwin, Pennsylvania State University, and Deb Agarwal, Lawrence Berkeley National Laboratory, 2) “Mid-Career/Senior Faculty Mentoring,” presented by Nancy Amato, Texas A&M, and Dilma Da Silva, Texas A&M, which consisted of several mentoring tables on various topics, and 3) “What’s Next? Career Success Post-Tenure,” presented by Mary Lou Soffa, University of Virginia, and Jan Cuny, National Science Foundation.

Current and previous CRA-W board members also organized a panel at this year’s Grace Hopper Celebration titled “Academic Leadership: The three s\*#\$ (Screw-ups, Surprises, and Successes).” The panel was moderated by Tracy Camp, Colorado School of Mines, and three accomplished women described their paths to academic leadership, as well as their screw-ups, surprises, and successes along the way: Fran Berman, Rensselaer Polytechnic Institute, Carla Brodley, Northeastern University, and Julia Hirschberg, Columbia University. Lastly, several posters from the CRA-W [Distributed Research Experience for Undergraduates](#) (DREU) and CRA-W [Collaborative Research Experience for Undergraduates](#) (CREU) programs were presented in the Wednesday evening poster session.

Terrific CRA staff members, including Erik Russell, Melissa Borts, Brian Mosley, Burçin Tamer, and Heather Wright, and several CRA-W Board members helped ensure the CRA-W booth at GHC 2015 was always fully staffed. The staff at the table was quite busy, answering questions and encouraging folks to participate in CRA-W programs.

CRA-W mentoring at GHC 2015 was a roaring success, thanks to 47 amazing volunteers and CRA staff members Erik Russell and Melissa Borts. [GHC 2016](#) will return to Houston, Texas, and will be held from October 19-21. We hope to see you there!

## About the author

Tracy Camp is a professor of computer science in the Department of Electrical Engineering and Computer Science at the Colorado School of Mines. Her current research interests include the credibility of ad hoc network simulation studies and the use of wireless sensor networks in geosystems. After three exhilarating years serving as Co-Chair of CRA-W, she now leads the organization of CRA-W content at the Grace Hopper Celebration.



CRA-W Booth at the 2015 Grace Hopper Celebration of Women in Computing

# Analysis of Current and Future Computer Science Needs via Advertised Faculty Searches for 2016

By Craig E. Wills, Professor and Department Head, Computer Science Department, Worcester Polytechnic Institute

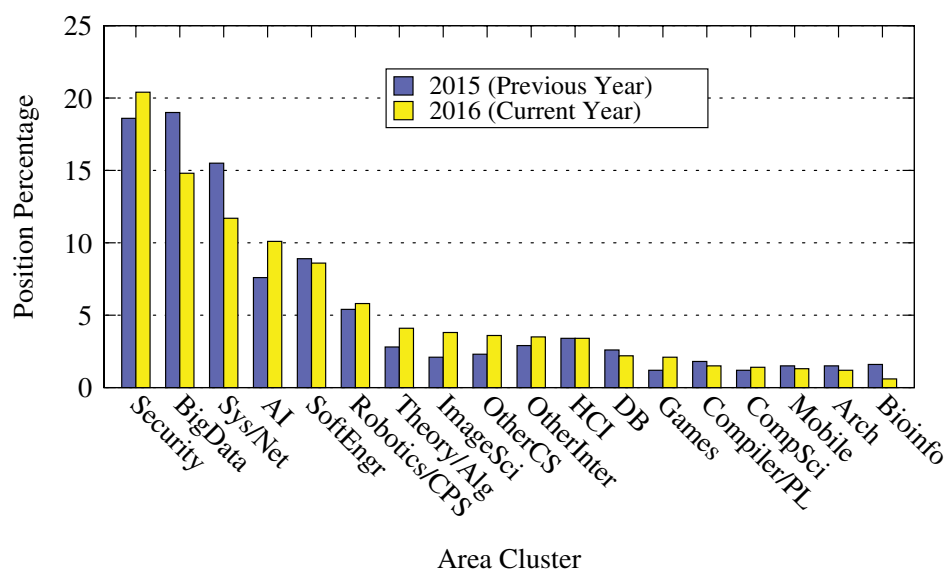
The wealth of faculty searches in computer science during this hiring season for positions starting in the Fall of 2016 affords the opportunity to study areas of computer science where departments are choosing to invest in new faculty hires. While the number and areas for faculty searches does not necessarily translate into the same for faculty hires, we believe that they provide insights into current and future needs in the discipline.

We analyzed ads from 267 institutions seeking to fill hundreds of tenure-track faculty positions in computer science. There is a 20% one-year increase in the number of institutions searching for tenure-track faculty in computer science and a 26% increase in the number of positions being searched for. In particular, the number of positions seeking to be filled by top-100 Ph.D. institutions has increased by 29% in one year and the number of positions for undergraduate-only institutions has increased by 46%.

As shown in the accompanying graph on the percentage of positions in each area during this and last year, we found that the area clusters of Security (20%), Big Data (15%), and Systems/Networking (12%) continue to be the areas of greatest investment. We also found that 30-60% of all hires are for areas that are, or may be, interdisciplinary in nature.

Differences are also seen when analyzing the results based on the type of institution. Positions related to Security have the highest percentages for top-100 Ph.D. and M.S. institutions. Big Data is of the most interest for other Ph.D. institutions, while Systems/Networking is at the top for B.S. institutions. Finally, the abundance of potentially interdisciplinary areas is most pronounced for graduate institutions, with 30-60% of all positions devoted to these areas.

The full report, which contains a description of the methodology and the complete results, is available at <http://www.cs.wpi.edu/~cew/papers/CSareas16.pdf>



## Accomplishments:

### ACM Fellows Named

The Association for Computing Machinery (ACM) recently announced the 2015 ACM Fellows. The Fellows are recognized for their significant contributions to the development and application of computing. Five CRA participants were named Fellows:

- ▶ Nancy Amato, CRA board member, CRA-W co-chair, and CRA-E member
- ▶ Cynthia Dwork, CCC Council member
- ▶ Mary Czerwinski, CRA board member
- ▶ Julia Hirschberg, CRA-W board member, former CRA board member
- ▶ Elizabeth Mynatt, CCC vice-chair

From the [ACM Press Release](#): Whether they work in leading universities, corporations, or research laboratories, these newly minted ACM Fellows are responsible for the breakthroughs and industrial innovations that are transforming society at every level,” explains ACM President Alexander L. Wolf. “At times, the contributions of a Fellow may include enhancements to a device that immediately impacts our daily lives. At other times, new research discoveries lead to theoretical advances that, while perhaps not immediately perceptible, have substantial long-term impacts.”

### IEEE Fellows Named

IEEE recently announced its list of 2016 Fellows, which includes two CCC participants:

Tracy Camp, a CRA and CRA-W board member, was honored for contributions to wireless networking. Lorenzo Alvisi, a CCC Council member, was honored for contributions to reliable distributed systems.



Click here for the full list of 2016 Fellows.  
[http://www.ieee.org/membership\\_services/membership/fellows/2016\\_elevated\\_fellows.pdf](http://www.ieee.org/membership_services/membership/fellows/2016_elevated_fellows.pdf)

### Education Policy

CRA Education committee member Jeffrey Forbes was appointed chair of the ACM Education Policy Committee. Click [here](#) to read his article published on [Blackenterprise.com](#) discussing computer science education.

### Top Women in Networking

Congratulations to two CCC Council members, Jennifer Rexford and Klara Nahrstedt, for being named as among the “10 women in networking/communications that you should know.”



Click here to read more:  
<http://n2women.comsoc.org/10-women-in-networkingcommunications-that-you-should-know/>



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**Nancy Amato**, Texas A&M University  
**Ronald Brachman**, Yahoo Labs  
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Community Consortium

## Column Editor

Expanding the Pipeline  
**Patty Lopez**, Intel

# Professional Opportunities

## Allegheny College

### *Assistant Professor of Computer Science*

The Department of Computer Science at Allegheny College invites applications for a tenure-track position beginning August 2016. Applicants with interdisciplinary interests that combine computer science with, for instance, art, biology, economics, data science, media and communication, or environmental science are particularly encouraged to apply; candidates with expertise in computer architecture, graphics and data visualization, human-computer interaction, mobile computing, networking, or other areas of computer science are also invited. Qualifications include a Ph.D. in computer science or a related field.

The teaching load is 6 courses per academic year, with a laboratory course in computer science counting as 1.5 courses. All faculty must participate in both the teaching of college-wide first-year/sophomore seminars that emphasize writing and speaking and the advising of senior thesis research projects. Beyond providing evidence of the ability to effectively teach and advise diverse undergraduate students, applicants must demonstrate a commitment to ongoing scholarship.

Details about the Department of Computer Science's students, faculty, staff, facilities and this position are available at <http://www.cs.allegheny.edu>. Interested candidates should send a letter of application, curriculum vitae, statement of teaching and research interests, applicable transcripts, and arrange to have three letters sent from references, at least one of whom can comment on teaching, to: Gregory M. Kapfhammer, Associate Professor and Chair, care of Pauline Lanzine, [cssearch@allegheny.edu](mailto:cssearch@allegheny.edu). Review of applications will begin immediately and continue until the position is filled.

Allegheny College is a highly selective private liberal arts college in northwest Pennsylvania with an increasingly diverse student body

and a dedicated faculty of teacher-scholars. Allegheny College is an Equal Opportunity Employer, with a strong commitment to diversity, inclusion, and equity. Women, veterans, individuals with disabilities, and members of other underrepresented groups are encouraged to apply. Allegheny College does not discriminate on the basis of race, color, religion, gender, gender identity, gender expression, sexual orientation, age, or national origin.

## Antalya International University - Antalya - Turkey

### *Computer Engineering*

#### *Assistant / Associate / Full Professor*

Antalya International University (AIU) in Turkey invites applications for multiple faculty positions in all areas of computer engineering and computer science disciplines. Priority will be given to the candidates in areas of software engineering, high-performance computing, robotics and vision. The positions are anticipated to be filled at the assistant professor rank, however, appointments at associate and full professor levels might be considered for outstanding candidates.

The targeted start date for the positions is August 15, 2016 or earlier. Applications from women, minorities, and non-Turkish citizens are encouraged. The successful candidates will be expected to teach undergraduate and graduate courses in a field of computer engineering/computer science, develop a sponsored research program, advise and mentor students at the undergraduate and graduate level, collaborate with other faculty in multidisciplinary research, interact and participate in outreach activities, and be involved in service to the institute and the profession. The successful applicant must have earned a Ph.D. degree in computer engineering/computer science or a closely related field, and should have an excellent command of English. Applicants must have evidence of scholarship/research and

record of external funding for research for consideration of appointment at the associate or full professor level.

Antalya International University (AIU) is a newly founded, private institution in Antalya, Turkey. The medium of instruction is English. AIU has established an international education services office and is rigorously recruiting foreign students with an objective to have 50% of the incoming freshmen being non-Turkish citizens in the next five years. AIU is an equal opportunity employer. Salary is very competitive and commensurate to rank, experience and qualifications. Several fringe benefits (relocation package, medical health insurance, retirement benefits) will apply. Housing assistance may be provided for some candidates.

### **Application Instructions**

Applicants should submit a cover letter, curriculum vitae, including academic and professional experience, list of publications, statement of teaching philosophy and research interests/objectives, and contact information for at least three references as a single PDF file to [cs\\_recruit@antalya.edu.tr](mailto:cs_recruit@antalya.edu.tr). Please format the file name as *LastName\_Computer Engineering* and include "Computer Engineering Faculty Search" in the subject line of the email. Short-listed candidates will be informed for formal interviews.

Review of applications will begin on January 15, 2016, and continue until the positions are filled. For further information about Antalya International University (AIU), please visit: [www.antalya.edu.tr](http://www.antalya.edu.tr).

## Bentley University

### *Information Design & Corporate Communication*

#### *Tenure Track Assistant/Associate Professor*

Bentley University, an AACSB and EQUIS accredited business university located 11 miles outside of Boston is seeking to fill a tenure-track professor with a specialization

# Professional Opportunities

in HCI and user experience for a position to start Fall 2016

The reputation of our graduate program is grounded in educating top performers in user experience research and design. Central to our students' success is the strong connections the program has forged with leading technology groups throughout the United States and internationally. We support that network with programs on our campus, San Francisco and online. Further reinforcing this reputation is our well known User Experience Center and User Experience Studio. As a business university, our graduate program has a strong focus on the strategic role of the user experience in the competitive positioning of products in the marketplace and fostering continuous product innovation.

Candidates must have evidence of research ability and exceptional teaching. Candidates are encouraged to learn more about our department by visiting <http://www.bentley.edu/graduate/ms-programs/hfid>.

Given the focus & reputation of this unique program, we are seeking candidates with a PhD in human computer interaction, human factors or other appropriate academic discipline with a strong focus in user experience research, product development, or design. Given our strong connections with the product design world, industry experience is highly desirable as are candidates with a strong entrepreneurial spirit.

To apply or learn more visit: <https://jobs.bentley.edu/applicants/Central?quickFind=52821>

## Boston College

### *Full-Time Non-Tenure Track Faculty Position*

The Boston College Computer Science Department invites applications for a full-time non-tenure track faculty position, beginning September 2016. The position is a three-year renewable contract. Applicants should

have a Ph.D. in Computer Science or related discipline, and possess a strong commitment to undergraduate teaching.

We will begin reviewing applications on December 1, 2015, and will continue considering applications until the position is filled.

Additional information is available at [www.cs.bc.edu/employment](http://www.cs.bc.edu/employment).

## Bowdoin College

### *Tenure-Track Position*

The Computer Science Department at Bowdoin College invites applications for a tenure-track position (assistant professor rank) starting July 2016. Preference for the area of systems, particularly operating systems, architecture, networks, security, distributed systems, cloud computing, or grid computing. Two courses per semester. Ph.D. in computer science required. Review begins December 1.

Visit <https://careers.bowdoin.edu> to learn more and apply. Bowdoin College is committed to equality through Affirmative Action, and is an equal opportunity employer.

## Bowling Green State University

### *One tenure-track position in Computer Science*

We are seeking applicants for a tenure-track position at the assistant professor level to teach a variety of courses at the undergraduate and graduate levels and be productive in scholarly research and sponsored projects. Preferred area of specialization is software engineering, including but not limited to: software testing and quality assurance, software architecture and design, usability engineering, and software verification. Applicants must hold a Ph.D. in CS (or closely related field) or complete it by August 2016, and be committed to excellence in teaching, scholarly research, and external funding.

BGSU offers a small town atmosphere with easy access to Columbus, Detroit, and Ann Arbor. BGSU is an AA/EEO/Vet employer. We encourage applications from women, minorities, veterans, and individuals with disabilities regardless of age, gender identity, genetic information, religion, or sexual orientation.

Email a letter of interest, along with curriculum vitae, statement of teaching philosophy and research agenda, contact information for three professional references, and copies of all transcripts by Sunday, January 10, 2016 to [cssearch@bgsu.edu](mailto:cssearch@bgsu.edu). We will contact your references. We will select a small number of finalists to come to campus for an interview. An official transcript of the terminal degree and a background check are also required for employment.

For details, go to <http://www.bgsu.edu/arts-and-sciences/computer-science.html/jobsh>

## California State University, Sacramento

### *Department of Computer Science*

#### *Two Tenure-Track Positions*

Two Tenure-Track positions to begin with the Fall 2016 semester. One position is in Database Systems (Assistant or Associate Professor) and the other is open to any area of Computer Science (Assistant Professor). Ph.D. in Computer Science, Computer Engineering, or closely related field required by the time of appointment.

For detailed position information, including application procedure, please see <http://www.csus.edu/about/employment/>. Screening will begin February 1, 2016, and continue until positions are filled.

AA/EEO employer. Clery Act statistics available. Mandated reporter requirements. Background check (including criminal) will be required.



# Professional Opportunities

## California State University Long Beach

### *Assistant Professor Level*

The Computer Engineering Computer Science Department at California State University Long Beach has an opening at the Assistant Professor level (tenure track) in Computer Engineering. We are looking for a strong candidate with expertise in Embedded Systems or a closely related field.

For more information please see <https://web.csulb.edu/divisions/aa/personnel/jobs/posting/2299/index.html>

## Caltech

### *Tenure-Track Faculty Position*

The Computing and Mathematical Sciences (CMS) Department at Caltech invites applications for a tenure-track faculty position. Our department is a unique environment where innovative, interdisciplinary, and foundational research is conducted in a collegial atmosphere. We will consider candidates in all areas of computing, broadly defined; research areas of particular interest include (but are not limited to) learning and computational statistics, security and privacy; robotics and autonomous systems; networked and distributed systems; optimization and computational mathematics. Additionally, we are seeking candidates who have demonstrated strong connections to other fields, including the physical, biological, mathematical, and social sciences.

A commitment to high-quality teaching and mentoring is expected. The initial appointment at the assistant-professor level is for four years and is contingent upon the completion of a Ph.D. degree in Computer Science, Applied Mathematics or related field.

To ensure the fullest consideration, applicants are encouraged to have all their application materials on file by November 1st, 2015. For a list of documents required and full

instructions on how to apply on-line, please visit <http://www.cms.caltech.edu/search>. Questions about the application process may be directed to: [search@cms.caltech.edu](mailto:search@cms.caltech.edu).

Caltech is an Equal Opportunity/Affirmative Action Employer. Women, minorities, veterans, and disabled persons are encouraged to apply.

## Carnegie Mellon University

*Post-Doc Associate, Institute for Software Research (ISR)-2002166*

### **Summary:**

The Institute for Software Research in the School of Computer Science has a Post-Doctoral Associate position to work on a high-profile, interdisciplinary project aimed at **developing Personalized Privacy Assistants** for the Internet of Things.

### **Qualifications:**

Doctorate degree in Computer Science  
3-5 years of research experience

**To Apply and For More Information:** Please visit <https://cmu.taleo.net/careersection/2/jobdetail.ftl?job=2002166>

## Carnegie Mellon University

*Faculty Positions in Applied Statistical Machine Learning*

The H.J. Heinz III College of Carnegie Mellon University is seeking both tenure-track and research-track candidates at the assistant professor level with strong training in statistical machine learning and a demonstrated commitment to bringing methodological innovation to application-driven research.

Applications should include CV, research and teaching interests, 2-3 representative papers, and three letters of reference. Review of applications will begin December 1st. Please see the full position announcement at [www.heinz.cmu.edu/StatML-faculty-search](http://www.heinz.cmu.edu/StatML-faculty-search). Carnegie Mellon considers applicants for

employment without regard to, and does not discriminate on the basis of, gender, race, protected veteran status, disability, or any other legally protected status.

Review of applications will begin December 1st.

The full position announcement is available at: <http://hnz.cm/stats-ml-faculty-search>.

Inquiries and questions only can be sent to: [applied-statsml@andrew.cmu.edu](mailto:applied-statsml@andrew.cmu.edu)

## Carnegie Mellon University - Pittsburgh, PA and Mountain View, CA (Silicon Valley)

*Information Networking Institute*

*Information Networking Institute Teaching Faculty*

*Position Category (Broad Research Area)*

*Electrical and Computer Engineering, Computer Science, Information Systems, or closely related field is required*

*Position Description*

The Information Networking Institute (INI) at Carnegie Mellon University (CMU) is soliciting applications for multiple open faculty positions in the areas of mobile computing, cloud computing, data analysis, computer security and computer networks at two locations: Pittsburgh, PA and Mountain View, CA (Silicon Valley). A Ph.D. in Electrical and Computer Engineering, Computer Science, Information Systems, or closely related field is required. Teaching-track faculty members typically focus exclusively on teaching and advising students, but can lead and participate in research projects, as well. Joint appointments with other departments in the College of Engineering, including Electrical and Computer Engineering, may be explored.

The INI is an integral department of Carnegie Mellon's College of Engineering, a Top Ten engineering school as ranked by U.S. News and World Report. The INI offers professional master's degree programs in information

# Professional Opportunities

networking, information security, mobility and software management. Due to the interdisciplinary nature of these fields, the INI collaborates with the School of Computer Science, Tepper School of Business and the H. John Heinz III College to equip students with advanced knowledge in technology, business management and policy. INI students have the unprecedented flexibility to take courses across all of these reputable colleges.

The INI is seeking individuals who have demonstrated commitment to its values: our people are our core strength; demonstrating excellence, integrity, respect, collegiality, interdisciplinarity, continuous improvement and engagement in community, all within a welcoming, supportive and inspiring teaching and learning environment. Successful applicants are expected to contribute to the mission of the INI in teaching and mentoring a diverse student population.

Candidates must demonstrate a strong commitment to teaching. Although preference will be given to those with a documented track record of teaching experience, candidates with a robust research background or experience in industry or government will also be considered for the position.

Evaluation of applications will begin immediately and continue throughout the academic year until positions are filled. Candidates are encouraged to apply early. Carnegie Mellon is an EEO/Affirmative Action Employer – M/F/Disability/Veteran.

## Application Instructions

Interested candidates should submit their curriculum vitae, cover letter, statements of teaching and research interests, as well as the names and contact information of three references online at <https://academicjobsonline.org/ajo/jobs/6762>.

Please direct question to:  
Dr. Dena Haritos Tsamitis

[ini-careers@andrew.cmu.edu](mailto:ini-careers@andrew.cmu.edu)

Director, Information Networking Institute;  
Director of CyLab Education, Training and Outreach  
4616 Henry Street  
Pittsburgh, Pennsylvania 15213

## Carnegie Mellon University

*Project Scientist, Institute for Software Research (ISR)-2002167*

### Summary:

The Institute for Software Research in the School of Computer Science has a Project Scientist position to work on a high-profile, interdisciplinary project aimed at **developing Personalized Privacy Assistants for the Internet of Things**.

### Qualifications:

Doctorate degree in Computer Science

5-8 years research experience

Excellent oral/written communication and project management skills

**To Apply and For More Information:** Please visit <https://cmu.taleo.net/careersection/2/jobdetail.ftl?job=2002167>

## Carnegie Mellon University, Pittsburgh, PA

*School of Computer Science - Institute for Software Research*

*Tenure-track Position in Societal Computing*

Building on a decade of world-leading research by our interdisciplinary faculty, we are forging a new scientific discipline that is changing the world. **Societal Computing** is the branch of computer science that designs computational technology to shape tomorrow's digital world and uses computational methods to understand the societal challenges a digital world poses. (See <http://sc.cs.cmu.edu>.)

The Institute for Software Research (ISR) in Carnegie Mellon University's School of

Computer Science seeks candidates with outstanding academic credentials and compelling research vision for tenure-track faculty appointments. We enthusiastically encourage applications from outstanding scholars with a focus in our key areas, including Privacy and Security, Internet of Things, Social Networks and Network Science, Complex Socio-Technical Systems, Computing Technology Policy, Computing and Sustainability, Regulatory Compliance of Computational Systems, Computational Modeling and Simulation, Social Media Analytics, and Computing and Health.

We are especially interested in candidates with diverse backgrounds and a demonstrated commitment to excellence and leadership in research, undergraduate and graduate teaching, and service towards building an equitable and diverse scholarly environment. We particularly encourage applications from candidates who have a demonstrated track record in mentoring and nurturing female and underrepresented minority students. In keeping with the CRA best practices on evaluating scholarship, we pay close attention to a candidate's educational contributions, research quality and impact as opposed to arbitrary numerical measures of productivity.

The School of Computer Science (SCS) at Carnegie Mellon is home to seven departments and over 200 tenure-track, research, and teaching faculty with expertise spanning traditional computer science, human computer interaction, language technology, machine learning, computational biology, software engineering, policy and computing, and robotics. The SCS offers a highly collaborative and uniquely interdisciplinary research environment that promotes innovation and entrepreneurship in both teaching and research.

Please apply by January 4, 2016, via the CMU School of Computer Science homepage:

# Professional Opportunities

## Submit Application

### For More Information, Contact:

James Herbsleb

[jdh@cs.cmu.edu](mailto:jdh@cs.cmu.edu)

office: 412 268 8933

mobile: 412 526 0935

Carnegie Mellon considers applicants for employment without regard to, and does not discriminate on the basis of, gender, race, protected veteran status, disability, sexual orientation, gender identity, and any additional legally protected status.

## Carnegie Mellon University (Qatar campus)

### *School of Computer Science*

#### *Two postdoctoral teaching positions*

Carnegie Mellon University in Qatar invites applications for two postdoctoral positions (position CMUQ-CS15-002). These positions are designed for candidates who are interested in enhancing their teaching portfolio, along with their research portfolio, to be better prepared for future academic positions. The positions expect candidates to relocate to Carnegie Mellon's campus in Doha with a start no later than August 1, 2016. Responsibilities include supporting two undergraduate courses per year, holding recitations/office hours and working closely with students. In addition to this teaching load, successful candidates are encouraged to conduct research independently or in collaboration with any CMU-Q faculty of their choice.

We are particularly interested in candidates in the areas of Distributed systems and Computer networks. Further information can be found at <http://csjobs.qatar.cmu.edu>.

## Carnegie Mellon University (Qatar campus)

### *School of Computer Science*

#### *Two faculty positions*

Carnegie Mellon University in Qatar invites applications for two teaching-track positions at any level, one in the fields of robotics and artificial intelligence (position CMUQ-CS15-003), and the other in the fields of programming languages and computational logic (position CMUQ-CS15-004). This is a career-oriented renewable appointment that involves teaching high-achieving international undergraduate students. Candidates must have a Ph.D. in Computer Science or related field, substantial exposure to Western-style education, good leadership skills, an outstanding teaching record, and excellent research accomplishments.

The position offers a competitive salary and benefits including a foreign service premium, excellent international health care coverage, and allowances for housing, transportation, dependent schooling, and travel. Further information can be found at <http://csjobs.qatar.cmu.edu>.

## Carnegie Mellon University

### *Computer Science Department*

#### *Teaching Track Position*

Applications are invited for a teaching-track position in Computer Science, beginning Fall 2016. This is a renewable, career-oriented position with an initial appointment for three years. We seek highly qualified applicants with a strong commitment to excellence in teaching and the ability to teach at all levels in the undergraduate curriculum.

Applicants for the position must have a Ph.D. in Computer Science or a related field, and demonstrated excellence in teaching Computer Science courses. Teaching-track appointments are typically at the rank of Assistant Teaching Professor, with the

possibility of promotion to the ranks of Associate Teaching Professor and Teaching Professor. None of these ranks are tenured; applicants seeking a tenure-track position at a research university are therefore not a good match for these positions.

In order to receive full consideration, applicants should submit a letter of application, curriculum vitae, a statement of teaching philosophy, and the names and email addresses of three or more individuals whom the applicant has asked to provide letters of reference. All of this information should be provided at the website listed below. Note that applicants should also arrange for reference letters to be sent directly to this site. The review process will start January 4, 2016, and continue until the position is filled.

Additionally, applicants are encouraged to submit a video sample of their teaching, demonstrating their excellence.

Please upload your applications and accompanying materials at <https://csd.cs.cmu.edu/content/faculty-hiring>

Carnegie Mellon is an affirmative action/equal opportunity employer and we invite and encourage applications from women and under-represented minorities.

## Case Western Reserve University

### *Engineering Strategic Hiring Initiative*

Case Western Reserve University's Engineering Strategic Hiring Initiative continues in 2015 and beyond with a focus on recruiting extraordinary faculty in the broad areas of **advanced materials, energy** and **human health**. Research clusters identified as strategic priorities and opportunities for the Case School of Engineering include Biomolecular Engineering, Informatics, and Translational Biomaterials.

# Professional Opportunities

Biomolecular Engineering is seeking candidates whose research programs are preferably in the following areas: metabolic pathway engineering, mammalian cell culture, and bioprocess engineering, including medical applications and biofuels. Case Western Reserve University offers a rich research environment for bridging synthetic biology and chemical engineering disciplines.

Informatics is seeking candidates with research programs on efficiently and securely managing, processing, communicating, simulating, and analyzing large-scale data in the context of engineering, science, and health applications. Candidates should be grounded in an established or emerging area of computing and informatics, including, but not limited to, cybersecurity, cloud computing, high performance computing, mobile computing, networks, machine learning, or data mining, and display an aptitude for interdisciplinary and translational teamwork.

The strategic hiring initiative has attracted outstanding junior and senior candidates interested in being part of a community determined to drive discoveries that improve people's lives. The Case School of Engineering values interdisciplinary thinking, creative collaboration and entrepreneurial ideas. It also believes strongly in the vital importance of diversity within the professorial ranks, both in terms of women and underrepresented minorities.

Successful candidates will hold primary appointments in the Case School of Engineering, although in many instances they will be eligible for additional appointments within the School of Medicine or College of Arts and Sciences, among others.

Candidates seeking positions at the Assistant Professor level and higher should hold an earned doctorate in a field of engineering or related science and demonstrate promise for research and teaching excellence. Those seeking these positions should provide the names and contact information of

three references in addition to a cover letter, research and teaching statements and CV. Candidates seeking positions at the Associate Professor level should have established a significant research reputation nationally and possess a record of extramural funding. Candidates seeking positions at the level of full Professor should be recognized internationally for research excellence, leadership and scholarship in their discipline.

We welcome all nominations and applications. Please send application materials to [csesearch@case.edu](mailto:csesearch@case.edu). For additional information, please visit <http://engineering.case.edu/strategichiring/> or contact Dean Jeffrey Duerk at [cseinterest@case.edu](mailto:cseinterest@case.edu).

In employment, as in education, Case Western Reserve University is committed to Equal Opportunity and Diversity. Women, veterans, members of underrepresented minority groups, and individuals with disabilities are encouraged to apply.

Case Western Reserve University provides reasonable accommodations to applicants with disabilities. Applicants desiring a reasonable accommodation for any part of the application and hiring process should contact the Office of Inclusion, Diversity and Equal Opportunity at 216-368-8877. Determinations regarding granting accommodations will be made on a case-by-case basis.

## Clarkson University

*Computer Science Department  
Assistant Professor of Computer Science*

Clarkson University is the nationally ranked research institution of choice for more than 3,400 enterprising, high-ability undergraduate and graduate students who launch remarkably successful careers.

The Computer Science Department at Clarkson University invites applicants to apply for the position of Assistant Professor. The Department of Computer Science at

Clarkson University ([www.clarkson.edu/cs](http://www.clarkson.edu/cs)) invites applications for a tenure-track position in computer science at the rank of Assistant Professor starting in August 2016, but we may hire at a more senior level. We will consider applicants in all areas but have special interest in candidates with research expertise in applied systems areas especially database systems, parallel and distributed computing and mobile computing. Responsibilities include teaching undergraduate and graduate level courses, and directing graduate students.

Minimum qualifications include a PhD in Computer Science by the date of appointment, fluency in English, demonstrated excellence in teaching and research. Review of applications will begin immediately and continues until the position is filled. To submit your application, go to [www.clarkson.edu/hr](http://www.clarkson.edu/hr) and click "Career Opportunities" on the left hand navigation bar.

An equal opportunity /affirmative action employer. Clarkson actively seeks and encourages applications from minorities, women and people with disabilities.

## Clayton State University

*Chair, Computer Science & Information Technology Department*

Clayton State University in Morrow, GA invites applications for Chair, Computer Science & Information Technology Department beginning July 2016. Ph.D. in Computer Science, Information Technology or closely related field is required. Excellent communication and interpersonal skills are required and successful applicants will demonstrate a commitment to collaborative and collegial leadership.

View complete job description and application requirements at <https://clayton.peopleadmin.com/postings/4068>.



# Professional Opportunities

## Clayton State University

### Lecturer Position

The Department of Computer Science and Information Technology in the College of Information and Mathematical Sciences is seeking applicants for Lecturer. The position is a 10 month, non-tenure track appointment that reports to the Chair of the Department of Computer Science and Information Technology.

The successful candidate will be expected to begin on August 1, 2016.

Apply at <https://clayton.peopleadmin.com/postings/4889>.

## Clemson University

### School of Computing

#### Chair, Human-Centered Computing

The School of Computing at Clemson University invites applications for Chair of the Division of Human-Centered Computing. The successful candidate should have an earned doctorate in human-centered computing, computer science or a related area, an outstanding research record and strong academic and research leadership skills. We value diversity so we strongly encourage applications from exceptional scholars who can contribute to the diversity and excellence of our academic community through research, teaching, and service.

**A complete position description and application procedures are available at [www.clemson.edu/computing/jobs/chairhcc2015.html](http://www.clemson.edu/computing/jobs/chairhcc2015.html).**

*Clemson University is an AA/EEO employer and does not discriminate against any person or group on the basis of age, color, disability, gender, pregnancy, national origin, race, religion, sexual orientation, veteran status or genetic information. Clemson University is building a culturally diverse faculty committed to working in a multicultural environment and encourages applications from minorities and women.*

## Clemson University

### Tenure-Track Faculty Positions in the School of Computing

The School of Computing at Clemson University invites applications from candidates at all ranks for positions in its three academic units, which represent a broad cross-section of computing and its applications: the Division of Computer Science (CS), the Division of Human-Centered Computing (HCC), and the Division of Visual Computing (VC). CS areas of interest include but are not limited to big data science, security, and software engineering. HCC invites applications from candidates whose work demonstrates strong methodological rigor and potential impact in any area of human-centered computing. VC areas of interest include computer graphics, visualization, digital production, and applied visual perception.

More information and application procedures may be found at: <http://www.clemson.edu/ces/computing/jobs/tenuretrack2015.html>

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## Clemson University

### 9-month Lecturer Position

The School of Computing at Clemson University invites applicants for a 9-month Lecturer position beginning as early as January 2016. Responsibilities will include teaching (primarily for undergraduate classes), participation in departmental and university committees, and other typical faculty responsibilities. The potential exists to supervise a senior design course and/or

teach an occasional upper-level elective in the applicant's area of expertise.

A master's degree in Computer Science or a related discipline is required, with a doctoral degree preferred. Further, a record of successful teaching experience and/or supervising student projects is preferred.

Lecturers are eligible for promotion to the rank of Senior Lecturer, who hold three-year contracts.

Electronic applications, including a cover letter, CV, teaching statement, and names and contact info for three references should be sent to [Vernon@clemson.edu](mailto:Vernon@clemson.edu) as a single PDF attachment, with the Subject Line: "Lecturer Search". All application materials received by November 20th, 2015 will be guaranteed consideration. Applications will be considered until the position is filled.

*Clemson University is an AA/EEO employer and does not discriminate against any person or group on the basis of age, color, disability, gender, pregnancy, national origin, race, religion, sexual orientation, veteran status or genetic information. Clemson University is building a culturally diverse faculty committed to working in a multicultural environment and encourages applications from minorities and women.*

## Cleveland State University

*Department of Electrical Engineering and Computer Science - Washkewicz College of Engineering*

### Lecturer Position in Computer Science/Engineering

Cleveland State University is searching for active, culturally and academically diverse faculty of the highest caliber.

The Department of Electrical Engineering and Computer Science at Cleveland State University invites applications for a non-tenure track lecturer position in computer science/engineering. The anticipated start date is August 2016.

# Professional Opportunities

**Job Description:** Responsibilities include teaching at both the undergraduate and graduate level, student advising, and curriculum development. The teaching requirement is four courses per semester. Salary will be commensurate with education and experience. Opportunities for summer teaching with additional compensation might also be available. After the first year, the position will be annually renewable based on program needs.

**Minimum Qualifications:** Master's degree in computer science, computer engineering or a closely related field at the time of appointment, ability to teach and interact with both undergraduate and graduate students, good skills in computer-based design and analysis tools, hands-on experience in computer science or computer engineering.

**Preferred Qualifications:** Bachelor's degree in Computer Science or Computer Engineering (in addition to the minimum qualification of a master's degree), earned doctoral degree in Computer Science, Computer Engineering or a closely related field, good communication skills, industrial experience, teaching experience, research experience, and the ability to contribute through teaching and/or service to the diversity, cultural sensitivity, and excellence of the academic community.

**Application Requirements:** For full consideration, candidates must submit a cover letter, detailed curriculum vitae, teaching portfolio, and names and contact information of at least three references. Please submit these items through the Human Resources website: <http://hrjobs.csuohio.edu/postings/5308>. Inquires only can be directed to Dr. Victor Matos by phone at 216-687-3911 or email at [v.matos@csuohio.edu](mailto:v.matos@csuohio.edu). Position is Open until Filled. Review of applications will begin immediately. Full consideration will be given to applications submitted no later than December 2, 2015.

The Department of Electrical Engineering and Computer Science is the largest in the Washkewicz College of Engineering, with over 550 Bachelor's students, over 400 Master's and Doctoral students, 26 full-time faculty members, and over \$5 million in annual research funding. Current research areas in the department include Artificial Intelligence, Computer Science Education, Embedded Systems, Human Motion and Control, Mobile Computing, Network Security and Privacy, Programming Languages, Software Engineering, Robotics, and Wireless Sensor Networks. Additional information about the department is available at <http://www.csuohio.edu/eecs>.

Cleveland State University is a major university committed to excellence in research and teaching. The August 21st edition of the Chronicle of Higher Education recognizes CSU as #1 in the nation for the greatest percentage increase in total research funding, #1 in the nation for the greatest percentage increase in federal research funding, and #12 in the nation for the greatest percentage increase in corporate research funding.

Hiring is contingent on maintaining existing levels of funding from the state of Ohio. Offer of employment is contingent on satisfactory completion of the University's verification of credentials and other information required by law and/or University policies or practices, including but not limited to a criminal background check.

It is the policy of Cleveland State University to provide equal opportunity to all qualified applicants and employees without regard to race, color, religion, sex, sexual orientation, gender identity and/or expression, national origin, age, protected veteran or disabled status, or genetic information.

Apply Here: <http://www.Click2Apply.net/zrxqxnp4s>

## Colby College

### *2-year Visiting Position in Computer Science*

Colby College invites applications for a 2-year Visiting Assistant Professor position in computer science, beginning on September 1, 2016. The position will have the option for a third year, at the discretion of the department. Applicants must hold, or be close to completing, a Ph.D. in computer science, computer engineering, or a related area with a preference for applicants who could teach Computer Graphics, Computer Vision, or Game Design, though all areas of expertise will be considered.

For more information and required materials, see [cs.colby.edu](http://cs.colby.edu). Review of applications will begin in January 15, 2016 and continue until the position is filled.

Colby is a private, coeducational liberal arts college that admits students and makes employment decisions on the basis of the individual's qualifications to contribute to Colby's educational objectives and institutional needs. Colby College does not discriminate on the basis of race, color, gender, sexual orientation, gender identity or expression, disability, religion, ancestry or national origin, age, marital status, genetic information, or veterans status in employment or in our educational programs. Colby is an Equal Opportunity employer, committed to excellence through diversity, and encourages applications from qualified persons of color, women, persons with disabilities, military veterans and members of other under-represented groups. Colby complies with Title IX, which prohibits discrimination on the basis of sex in an institutions education programs and activities. Questions regarding Title IX may be referred to Colby's Title IX coordinator or to the federal Office of Civil Rights. For more information about the College, please visit our website: [www.colby.edu](http://www.colby.edu)

# Professional Opportunities

## The College of William & Mary

### *Two Faculty Positions in Computer Science*

The Department of Computer Science invites applications for two tenure-track positions at the Assistant Professor level to begin in Fall 2016. We are interested in exceptional applicants from all areas of computer science. Applicants must hold a Ph.D. in computer science or a related field at the time of appointment (August 10, 2016) and must have a strong research record and an interest in teaching.

William & Mary is consistently ranked in the elite group of the Best National Universities-Doctoral by U.S. News and World Report and is committed to a multi-year effort to strengthen and expand its computer science research program. With a teaching load of two courses per year and institutional support, the department has been rising in national rankings of graduate CS departments, and has been the home of multiple NSF and DOE Career Awards. The department offers B.S., M.S., and Ph.D.

programs. More information about the department can be obtained at <http://www.cs.wm.edu>.

Candidates should apply online at <https://jobs.wm.edu> (follow the link for instructional faculty). Please submit a curriculum vitae and a cover letter including a statement of research and teaching interests. Candidates will be prompted to submit online the names and email addresses of three references who we will contact with instructions for submitting letters of recommendation.



## COLUMBIA | ENGINEERING

The Fu Foundation School of Engineering and Applied Science

### **Faculty Positions in the Department of Computer Science**

Columbia Engineering invites applications for faculty positions in the Department of Computer Science at Columbia University in the City of New York. Applications at the assistant professor, and in exceptional cases, at the associate professor and full professor levels, will be considered.

Applications are sought in all areas of computer science, with particular emphasis on, but not limited to, the following areas: Theory (all levels) and Programming languages (Assistant or Associate Professor level).

Candidates must have a Ph.D. or its professional equivalent by the starting date of the appointment. Applicants for this position at the Assistant Professor and Associate Professor without tenure levels must demonstrate the potential to do pioneering research and to teach effectively. Applicants for this position at the tenured level (Associate or Full Professor) must have a demonstrated record of outstanding research accomplishments, excellent teaching credentials and established leadership in the field.

The successful candidate is expected to contribute to the advancement of their field and the department by developing an original and leading externally funded research program, and by contributing to the undergraduate and graduate educational mission of the Department. Columbia fosters multidisciplinary research and encourages collaborations with academic departments and units across Columbia University. The Department is especially interested in qualified candidates who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community.

For additional information and to apply, please see: <http://engineering.columbia.edu/faculty-job-opportunities>. Applications should be submitted electronically and include the following: curriculum-vitae including a publication list, a description of research accomplishments, a statement of research and teaching interests and plans, contact information for three experts who can provide letters of recommendation, and up to three pre/reprints of scholarly work. All applications received by December 15, 2015 will receive full consideration.

Applicants can consult [www.cs.columbia.edu](http://www.cs.columbia.edu) for more information about the department.

Columbia is an affirmative action/equal opportunity employer with a strong commitment to the quality of faculty life.

# Professional Opportunities

We will begin reviewing applications on January 4, 2016 and continue accepting applications until the positions are filled. The College of William & Mary values diversity and invites applications from underrepresented groups who will enrich the research, teaching and service missions of the university. The College is an Equal Opportunity/Affirmative Action employer and conducts background checks on applicants for employment.

## Colorado School of Mines

*College of Engineering and  
Computational Sciences*

*Department of Electrical Engineering and  
Computer Science*

*Open Rank Faculty Position*

The Electrical Engineering and Computer Science Department at Colorado School of Mines invites applications for a faculty position, anticipated at the assistant professor rank. The department has active research in antennas and wireless communications, applied algorithms and data structure, energy systems and power electronics, high performance computing, machine learning and human centered

robotics, signal processing and control systems, and networking and security.

The successful candidate will be expected to teach undergraduate and graduate courses in their area of specialty, to mentor graduate students, and to develop and sustain a strong, externally-funded research program. We invite applications from scholars and educators whose research and teaching interests are synergistic with ongoing efforts in the department, but are particularly interested in candidates with background in large-scale data management and cloud computing (computer science), or power and energy systems (electrical engineering).



**COLUMBIA | ENGINEERING**  
The Fu Foundation School of Engineering and Applied Science

## Lecturer in Discipline Positions in the Department of Computer Science

The Department of Computer Science at Columbia University in the City of New York invites applications for multiple faculty positions at the rank of Lecturer in Discipline beginning in the 2016-17 academic year. Lecturers in Discipline are full-time non-tenure-track faculty members whose primary responsibility is teaching. The Department of Computer Science is committed to hiring outstanding teachers to support the growing needs of its exceptionally strong undergraduate program. Teaching responsibilities for lecturers include courses throughout the undergraduate computer science curriculum with a typical teaching load of two courses per semester.

For additional information and to apply, please see: <http://engineering.columbia.edu/faculty-job-opportunities>. Applications should be submitted electronically and include the following: a cover letter, current CV, teaching statement, brief summary of research, and three letters of recommendation. At least two of the letters of recommendation must address teaching ability. Review of applications will begin on November 1st, 2015 and will continue until the positions are filled.

Applicants can consult [www.cs.columbia.edu](http://www.cs.columbia.edu) for more information about the department.

A Ph.D. or DES degree at the time of appointment is required. Columbia is an affirmative action/equal opportunity employer with a strong commitment to the quality of faculty life.



# Professional Opportunities

For the complete job announcement, full statement of qualifications and directions on how to apply, visit: <http://inside.mines.edu/HR-Academic-Faculty>

*Mines is an EEO/AA employer and is committed to enhancing the diversity of its campus community. Women, minorities, veterans, and individuals with disabilities are encouraged to apply.*

## Columbia University

Department of Computer Science

Lecture in Discipline / Data Science

The Department of Computer Science at Columbia University in the New York City invites applications for Lecturer in Discipline in the area of Data Science for the 2016-2017 academic term.

Lecturers in Discipline are full-time officers (non-tenure-track) who meet a programmatic need for instruction in specialized fields. The selected candidate/s will be expected to teach graduate-level courses such as Algorithms, Machine Learning, as well as the Capstone & Ethics course.

Courses will be geared towards data science, and the candidate/s will be responsible for advising students in Data Science Institute's academic programs: Certification of Professional Achievement and/or Master of Science in Data Science. In addition to teaching and mentoring responsibilities, the selected candidate will assist the growth and development of future online and on-campus graduate degree programs within the Institute, as well as with executive education; ensure adequate linkage with industry and practical applications as part of the Capstone & Ethics course; and coordinating with the faculty in the Data Science Institute. Typical teaching load consists of two courses per semester.

Candidates for appointment must demonstrate practice expertise, professional competence and scholarship in Computer

Science. Candidates must hold a doctorate degree or its professional equivalent. The ideal candidate also possesses the ability to bring real world approaches, methods and technologies from industry to the School's classrooms. In collaboration with the

Institute's Director of Strategic Programs, the incumbent will provide students with exposure to practitioners of outstanding professional achievement and leadership. The Department is especially interested in qualified candidates who can contribute,

## Tenure-Track Faculty

### Information Science Department – Cornell University

*Cornell is a community of scholars, known for intellectual rigor and engaged in deep and broad research, teaching tomorrow's thought leaders to think otherwise, care for others, and create and disseminate knowledge with a public purpose.*

The Information Science Department at Cornell University invites applications for tenure-track faculty positions. Exceptional candidates in all areas related to the department's current research trajectories and priorities will be given serious consideration; these include human-computer interaction (HCI) and interaction design; computer-supported cooperative work (CSCW) and computer-mediated communication (CMC); information policy; network science; crowdsourcing; the history and anthropology of computing and data; the interface of economics and information; critical and interpretive analysis of information systems; human-robot interaction (HRI); ubiquitous computing; applications and analysis of large datasets; information visualization; the sociology of organizations and innovation; and information science approaches to societal challenges. We invite applicants at any rank. Assistant Professor candidates must receive a Ph.D. or equivalent degree by August 2016, and must demonstrate the potential to achieve excellence in research and teaching at both the graduate and undergraduate levels. More senior candidates should hold a Ph.D. or equivalent degree and must have an established record of outstanding research and excellent teaching at both the graduate and undergraduate levels; salary and rank will be commensurate with qualifications and experience. Experienced applicants may merit a tenured Associate Professor or Professor position, depending on their qualifications.

Applicants should submit a cover letter, curriculum vita (CV), brief statements of research and teaching interests, and arrange to have at least three reference letters submitted. In the cover letter, CV, or research statement, applicants should identify a small set of their most significant pieces of work.

Information Science at Cornell University brings together faculty, students and researchers who share an interest in advancing our understanding of how people and society interact with computing and information. The Information Science Department is housed in the Faculty of Computing and Information Science, and located in Cornell's new Gates Hall. It has strong connections with several other units on campus, including: Computer Science (with which it shares Gates Hall), Communication, Economics, Sociology, Science and Technology Studies, Operations Research and Information Engineering, and Cognitive Science.

The Information Science Department at Cornell embraces diversity and seeks candidates who will create a climate that attracts students of all races, nationalities and genders. Cornell University is an affirmative action, equal opportunity employer and educator.

Cornell University seeks to meet the needs of dual career couples, has a Dual Career program, and is a member of the Upstate New York Higher Education Recruitment Consortium to assist with dual career searches.

Applications will be accepted until the position is filled. Information about the Information Science Department appears at [www.infosci.cornell.edu](http://www.infosci.cornell.edu).

Application Deadline: 12.15.2015 or until positions are filled.

*Cornell University is an innovative Ivy League university and a great place to work. Our inclusive community of scholars, students and staff impart an uncommon sense of larger purpose and contribute creative ideas to further the university's mission of teaching, discovery and engagement. Located in Ithaca, NY, Cornell's far-flung global presence includes the medical college's campuses on the Upper East Side of Manhattan and in Doha, Qatar, as well as the new CornellNYC Tech campus to be built on Roosevelt Island in the heart of New York City.*



*Diversity and Inclusion are a part of Cornell University's heritage. We're an employer and educator recognized for valuing AA/EEO, Protected Veterans, and Individuals with Disabilities.*

# Professional Opportunities

through their teaching and/or service, to the diversity and excellence of the academic community.

Applications should be submitted electronically to: <http://bit.ly/iio8NC8> and must include the following: a cover letter, current CV, teaching statement, brief summary of research, and three letters of recommendation. At least two of the letters of recommendation must address teaching ability. Review of applications will begin immediately and will continue until the position is filled.

## D. E. Shaw Research, New York City

*Scientific Software Developers at D. E. Shaw Research*

### Position Description:

Extraordinarily gifted software developers are sought to join a New York-based interdisciplinary research group pursuing an ambitious, long-term project aimed in part at fundamentally transforming the process of drug discovery. Among the group's current research activities is the development of new algorithms and software for large-scale data analysis and simulation both on commodity clusters and on massively parallel special-purpose supercomputers of our group's design.

Particularly relevant areas of expertise might include computational biology, Python and C/C++ programming, molecular dynamics, scientific visualization, computer graphics, full-stack web development, scientific workflow management, high performance data-parallel computing on multicore and GPU architectures, and the development of large-scale data management, cheminformatics, and/or analysis frameworks, but specific knowledge of any of these areas is less critical than exceptional intellectual ability and a demonstrated track record of achievement.

If you are interested in being part of a team of the world's leading biologists, chemists, and computer scientists, please use the link below to submit your application material. We are prepared to reward exceptionally well-qualified individuals with above-market compensation.

To submit an application, please use the link provided below:

<http://www.deshawresearch.com/recruit/jobs/Ads/CRA/SP>

D. E. Shaw Research is committed to building a diverse team. We offer an intellectually rigorous and stimulating work environment that is also supportive, flexible, and welcoming. We do not discriminate in employment matters on the basis of race, color, religion, gender, pregnancy, national origin, age, military service eligibility, veteran status, sexual orientation, marital status, disability, or any other protected class.

## Dartmouth College

### *Assistant Professor of Computer Science*

The Dartmouth College Department of Computer Science invites applications for two tenure-track faculty positions at the level of assistant professor. We seek candidates who will be excellent researchers and teachers in the areas of: (1) **security or machine learning**; and (2) **theoretical computer science**; although outstanding candidates in any area will be considered. We particularly seek candidates who will help lead, initiate, and participate in collaborative research projects both within Computer Science and involving other Dartmouth researchers, including those in other Arts & Sciences departments, Dartmouth's Geisel School of Medicine, Thayer School of Engineering, and Tuck School of Business. A Ph.D. degree or ABD in Computer Science or a closely related field is required.

The department is home to 20 tenured and tenure-track faculty members and two

research faculty members. Research areas of the department encompass the areas of security, computational biology, machine learning, robotics, systems, algorithms, theory, digital arts, vision, and graphics. The Computer Science department is in the School of Arts & Sciences, and it has strong Ph.D. and M.S. programs and outstanding undergraduate majors. The department is affiliated with Dartmouth's M.D.-Ph.D. program and has strong collaborations with Dartmouth's other schools.

Dartmouth College, a member of the Ivy League, is located in Hanover, New Hampshire (on the Vermont border). Dartmouth has a beautiful, historic campus, located in a scenic area on the Connecticut River. Recreational opportunities abound in all four seasons. With an even distribution of male and female students and over one third of the undergraduate student population members of minority groups, Dartmouth is committed to diversity and encourages applications from women and minorities.

To create an atmosphere supportive of research, Dartmouth offers new faculty members grants for research-related expenses, a quarter of sabbatical leave for each three academic years in residence, and flexible scheduling of teaching responsibilities.

Applicants are invited to submit application materials via Interfolio at <http://apply.interfolio.com/31847> (for the Security/ML position) or <http://apply.interfolio.com/31850> (for the Theory position). Upload a CV, research statement, and teaching statement, and request at least four references to upload letters of recommendation, at least one of which should comment on teaching. Email [facsearch16@cs.dartmouth.edu](mailto:facsearch16@cs.dartmouth.edu) with any questions.

Dartmouth is an equal opportunity/affirmative action employer with a strong commitment to diversity. In that spirit, we are particularly interested in receiving

# Professional Opportunities

applications from a broad spectrum of people, including women, persons of color, persons with disabilities, veterans or any other legally protected group.

Application review will begin November 1, 2015, and continue until the position is filled.

## DePaul University

*School of Computing*

*Assistant Professor*

*Chicago, IL*

*Computer Science*

DePaul University's School of Computing invites applications for four tenure-track positions at the rank of Assistant Professor to begin in September 2016. We are primarily interested in candidates with expertise in the following areas: (1) databases and big data; (2) games, graphics, or realtime simulation; (3) mobile computing; or (4) networking and security. We seek candidates with a commitment to excellence in both teaching and scholarship. Applicants should hold a Ph.D. or equivalent by the date of appointment.

DePaul's School of Computing is a unit of the College of Computing of and Digital Media, an interdisciplinary college with a broad range of innovative programs including Computer Science, Game Development, Human Computer Interaction, Information Security, Predictive Analytics, and Software Engineering. Located in the heart of Chicago's central business district, it supports many dynamic, interdisciplinary research groups and offers an opportunity to forge working relationships with industry. The School of Computing includes 55 full-time faculty, more than 3,000 undergraduate majors and graduate students, and offers Bachelor's, Master's, and PhD programs.

DePaul draws students of many backgrounds and cultures from a diverse urban setting, thus we are interested in recruiting and maintaining a diverse group of faculty. Members of all underrepresented groups,

women, veterans, and persons with disabilities are invited and encouraged to apply. DePaul University offers equal employment opportunities to all persons in accordance with applicable federal, state and local EEO laws. Positions are contingent upon available budgetary resources.

E-mail Corin Pitcher at [cpitcher@cs.depaul.edu](mailto:cpitcher@cs.depaul.edu) for additional inquiries.

Applications require a cover letter, C.V., teaching statement, research statement, and three letters of recommendation.

For more information and to apply online, see <http://www.cdm.depaul.edu/about/Pages/Jobs.aspx>

For priority consideration, application materials must be received by January 15, 2016.

## DIMACS Center

*Postdoctoral Associate*

DIMACS, the Center for Discrete Mathematics and Theoretical Computer Science, invites applications for postdoctoral associate positions for 2016-17. Applicants should be recent Ph.D.'s with interest in DIMACS areas, such as theoretical computer science, discrete mathematics, statistics, operations research, and their applications. One position is expected to be joint with the Institute for Advanced Study. Applications are due December 1, 2015 for full consideration.

For information see <http://dimacs.rutgers.edu/Applications/postdoc.html>.

DIMACS is an EO/AA employer.

## Drexel University, Philadelphia, Pennsylvania

*College of Computing & Informatics*

*Faculty Positions in Computer Science*

The College of Computing and Informatics at Drexel University invites applications for

multiple tenure-track and tenured faculty positions in computer science at all levels. Candidates should have a Ph.D. in Computer Science or related field at the time of appointment and a record of high-quality scholarly activities. Applicants for senior hires are expected to have demonstrated exceptional leadership in large-scale, multidisciplinary research programs.

The College of Computing and Informatics is home to vibrant research activities in computer science including algorithms and theory, artificial intelligence, computer algebra, computer science education, computer vision and graphics, databases and data mining, distributed systems, high-performance computing, human computer interaction, privacy and security, programming languages, and software engineering. Preference will be given to applicants in the areas of computer vision, data mining, machine learning, natural language processing, and robotics. Successful applicants will be expected to teach at the undergraduate and graduate levels, establish strong sponsored research programs, advise undergraduate and graduate students, and be involved in service to the college, the university, as well as the global academic community.

Evaluation of applications will be conducted on a rolling basis with applications accepted until January 1, 2016. Successful applicants must demonstrate potential for research and teaching excellence in the environment of a major research university. To be considered, apply at [www.drexeljobs.com/applicants/Central?quickFind=80286](http://www.drexeljobs.com/applicants/Central?quickFind=80286) or search for Requisition #7105.

Drexel University is an Equal Opportunity/Affirmative Action Employer. The College of Computing & Informatics is especially interested in qualified candidates who can contribute to the diversity and excellence of the academic community. Background investigations are required for all new hires

# Professional Opportunities

as a condition of employment, after the job offer is made. Employment will be contingent upon the University's acceptance of the results of the background investigation.

## Eastern Michigan University

### *Assistant Professor of Computer Science*

Eastern Michigan University's Department of Computer Science seeks applicants for two tenure-track assistant professor positions to begin Fall 2016. The successful applicant must have the ability to teach a variety of computer science courses at the undergraduate and graduate levels. We are particularly interested in candidates specializing in data science, software engineering, computer game design, cyber security, and mobile applications, but all areas are welcome.

Candidates should have completed a PhD in Computer Science or a related field by the time of their appointment. A strong aptitude for teaching and an ability to conduct scholarly research are advantageous.

All applications must be made online at <http://agency.governmentjobs.com/emichedu/default.cfm> (via the "Assistant Professor (Computer Science)" link). Application materials must include a letter of application, a curriculum vitae (including a list of publications, if any), a brief description of your plans for research, a brief statement of your teaching philosophy, and the names, addresses, phone numbers and email addresses of three references familiar with your qualifications.

EMU is an equal opportunity/affirmative action employer.

Evaluations will commence January 15, 2016.

## Embry-Riddle Aeronautical University, Daytona Beach, FL

### *Department of Electrical, Computer Software & Systems Engineering - College of Engineering*

#### *Faculty Position in Assured Software Engineering for Real-Time Systems*

#### **Position Description:**

The Department of Electrical, Computer, Software, and Systems Engineering in the College of Engineering at Embry-Riddle Aeronautical University, Daytona Beach, Florida, aspires to be a recognized leader in research and education in assured software engineering for real-time systems and the modeling and simulation of such systems. The Department offers a Ph.D. in Electrical Engineering & Computer Science, master's degrees in software engineering, electrical and computer engineering, cybersecurity engineering, and systems engineering, and bachelor's degrees in software engineering, computer engineering, computer science, and electrical engineering.

Significant research opportunities exist for new faculty at our NEAR (Next-generation ERAU Advanced Research) Lab, a premiere center for modeling and simulation, and at the Eagle Flight Research Center, a leader in flight control systems, flight simulation, and unmanned aircraft systems, and green technologies for aviation. Our students are encouraged to be involved with faculty research at the undergraduate and graduate levels.

The department invites applications for a tenure track position at the Assistant Professor level starting August 2016. The successful candidate will support the Ph.D. in Electrical Engineering & Computer Science and other department programs and is expected to bring or develop a strong externally funded research program that supports assured software engineering, real-time embedded systems, and modeling and simulation research areas. We specifically seek candidates with experience in assured

software development for cyber-physical systems supported by rigorous software engineering processes and practices. Applicants of other rank and with related research interests are also invited to apply.

**Qualifications:** Applicants should have demonstrated competence in teaching and research, including an earned doctorate in software engineering, computer science, computer engineering, or a closely related discipline. Practical experience as a software engineer, computer engineer, or system engineer in aerospace, aviation, defense, or related industries is valued. All candidates must meet U.S. right-to-work requirements, demonstrate excellent communication skills, and share the university's commitment towards a diverse community focused on graduates' professional success. Individuals from populations traditionally underrepresented in engineering and engineering education are strongly encouraged to apply.

#### **Application Instructions:**

Please visit our Careers Site (<http://eraucareers.erau.edu>) and click on "career search" and review application requirements for IRC62523. Review of applications will begin December 2015, with the search continuing until the position is filled.

## Florida State University

### *Department of Computer Science*

#### *Tenure-Track Assistant Professor Positions*

The Department of Computer Science at the Florida State University invites applications for two tenure-track Assistant Professor positions to begin August 2016. The positions are 9-mo, full-time, tenure-track, and benefits eligible. We are seeking outstanding applicants with strengths in the broad areas of Data Sciences or Trust-worthy Computing. The Data Sciences area may involve Artificial Intelligence, Data Mining, Data Engineering, Databases, Data Analytics, Big



# Professional Opportunities

Data Applications and Systems, Computer Graphics and Visualization, as well as other Data Sciences related research. The Trust-worthy Computing area includes Security, Digital Forensics, Software Engineering, Formal Methods and Verification, Programming Languages and Compilers, Embedded Systems, Computer Architecture, and Cyber-Physical Systems among others. Applicants should hold a PhD in Computer Science or closely related field at the time of appointment, and have excellent research and teaching accomplishments or potential. The department offers degrees at the BS, MS, and PhD levels. The department is an NSA Center of Academic Excellence in Information Assurance Education (CAE/IAE) and Research (CAE-R).

FSU is classified as a Carnegie Research I university. Its primary role is to serve as a center for advanced graduate and professional studies while emphasizing research and providing excellence in undergraduate education. Further information can be found at: <http://www.cs.fsu.edu>

Screening will begin January 1, 2016 and will continue until the positions are filled. Please apply online with curriculum vitae, statements of teaching and research philosophy, and the names of three references, at: <http://www.cs.fsu.edu/positions/apply.html>

Questions can be e-mailed to Prof. Xiuwen Liu, Faculty Search Committee Chair, [recruitment@cs.fsu.edu](mailto:recruitment@cs.fsu.edu).

## Equal Employment Opportunity

An Equal Opportunity/Access/Affirmative Action/Pro Disabled & Veteran Employer committed to enhancing the diversity of its faculty and students. Individuals from traditionally underrepresented groups are encouraged to apply.

FSU's Equal Opportunity Statement can be viewed at: [http://www.hr.fsu.edu/PDF/Publications/diversity/EEO\\_Statement.pdf](http://www.hr.fsu.edu/PDF/Publications/diversity/EEO_Statement.pdf)

## Fudan University, Shanghai, China

### *Recruitment of School of Data Science*

The School of Data Science, Fudan University, Shanghai, China, has multiple positions available at all levels: Tenure-track Assistant Professor, Tenured Associate Professor, and Tenured Full Professor. Applicants with doctoral degrees in computer science and other areas that are related to big data systems, computation, analysis, and their applications are invited to apply.

The School of Data Science is being established as one of the top schools for data science. It adopts the tenure-track and tenure system widely used in North America and offer competitive salary and benefit. To be successful, the candidate must have a strong commitment to excellence in research and in teaching at both undergraduate and graduate levels. Applications are considered on a continuing basis, but candidates who apply by February 15, 2016 will receive full considerations. To apply, please send to: [sds\\_hr@fudan.edu.cn](mailto:sds_hr@fudan.edu.cn) a CV, a research statement, a teaching statement, and the contact information for at least three references(tenure-track) or five references (tenured). Please arrange reference letters to be sent directly to above mail.

Besides the school, Fudan University has established the Institute for Big Data. The School aims at promoting academic research and education on data science, and the Institute focuses on research and applications of Big Data to disciplinary sciences and the society at large.

## George Mason University

### *Computer Science Department*

#### *Instructional Faculty Positions*

The Department of Computer Science at George Mason University invites applications for renewable, term, non tenure-track Instructor and Assistant Professor positions

beginning Fall 2016. Responsibilities include teaching undergraduate computer science courses as well as service duties associated with the department's undergraduate degree programs. Minimum qualifications for an Assistant Professor position include a Ph.D. in computer science, software engineering or related field. Applicants with an MS degree in Computer Science or a related field will be considered for Instructor positions. Applicants should possess a strong commitment to and demonstrated excellence in teaching.

The department has over 40 faculty members with wide-ranging research interests including artificial intelligence, algorithms, computational biology, computer graphics, computer vision, databases, data mining, parallel and distributed systems, real-time systems, robotics, security, software engineering, and wireless and mobile computing. The CS department has over \$5 Million in annual research funding and has 11 recipients of NSF's prestigious CAREER awards. For more information on the department, visit our Web site: <http://cs.gmu.edu/>.

George Mason University is located in Fairfax in the Northern Virginia suburbs of Washington, DC. Northern Virginia is home to one of the largest concentrations of high-tech firms in the nation, providing excellent opportunities for interaction with government agencies and industry. Fairfax is consistently rated as being among the best places to live in the country, and has an outstanding local public school system. George Mason has grown in leaps and bounds since its inception in 1972 and is consistently ranked among the top up-and-coming universities in the USA by US News and World Report.

For full consideration, please complete the online application at <http://jobs.gmu.edu> for position F9796z. The review of applications will begin on February 1, 2016 and will continue until the positions are filled. George Mason University is an Equal Opportunity/Affirmative Action/Veterans/Disability Employer encouraging diversity.

# Professional Opportunities

## George Mason University

### Computer Science Department

#### Tenure-track Faculty Positions

The Department of Computer Science in the Volgenau School of Engineering at George Mason University invites applications for tenure-track faculty positions beginning Fall 2016. Candidates must have (or be close to completing before the start date of the position) a PhD in Computer Science or a related field, demonstrated potential for excellence and productivity in research, and a commitment to high quality teaching. Exceptionally strong senior candidates may also be considered, and must have an established record of outstanding research and excellent teaching. Such candidates will be eligible for tenured Associate Professor or Professor positions.

While applicants in all areas of computer science will be given serious consideration, we are particularly interested in candidates in the areas of cyber-physical systems, mobile and ubiquitous computing, data-intensive computing, distributed systems and cloud computing, and software engineering.

The department has over 40 faculty members with wide-ranging research interests including artificial intelligence, algorithms, autonomic computing, computational biology, computer graphics, computer vision, databases, data mining, parallel and distributed systems, real-time systems, robotics, security, software engineering, and wireless and mobile computing. The CS department has over \$5 Million in annual research funding and has 11 recipients of NSF's prestigious CAREER awards.

In addition to BS, MS and PhD programs in Computer Science, the department offers MS programs in Information Systems, Information Security and Assurance, and Software Engineering. The department also participates in an inter-disciplinary MS in Data Analytics Engineering offered by the Volgenau School of Engineering. For

more information on the department, visit our Web site: <http://cs.gmu.edu/>. George Mason University is located in Fairfax in the Northern Virginia suburbs of Washington, DC. Northern Virginia is home to one of the largest concentrations of high-tech firms in the nation, providing excellent opportunities for interaction with government agencies and industry. Fairfax is consistently rated as being among the best places to live in the country, and has an outstanding local public school system. George Mason has grown in leaps and bounds since its inception in 1972 and is consistently ranked among the top up-and-coming universities in the USA by US News and World Report.

For full consideration, qualified applicants must apply online at <http://jobs.gmu.edu> for position F9995Z. The review of applications will begin February 15, 2016 and will continue until the position is filled

## The George Washington University

### Department Of Computer Science

#### Chair and Tenured Full Professorship

The George Washington University invites applications for Chair of the Department of Computer Science to begin as early as the summer of 2016. The applicants should qualify for the position of tenured full professor in the department. The chair will hold an endowed professorship. This is an opportunity for a person with outstanding qualifications to lead and to expand an established and growing department.

George Washington (GW) is the largest university in the nation's capital with close access to many federal funding agencies and research laboratories. The University offers comprehensive programs in undergraduate and graduate liberal arts studies, as well as, degrees in engineering, law, medicine, public health, education, business and international affairs. In support of its emphasis on

research in science and technology, the University has constructed a new 500,000 square foot Science and Engineering Hall in the heart of campus; this includes state-of-the-art research and instructional laboratories, clean rooms, imaging facilities, and other modern facilities. The School of Engineering and Applied Science, including the Computer Science Department, moved into the building in the spring of 2015.

The Department of Computer Science offers B.S., B.A., M.S. and Ph.D. degree programs in Computer Science, and an M.S. degree program in Cybersecurity. Its education and research programs span core, as well as, cutting-edge areas, with funding from NSF, NIH, DOD, NASA and other sources. Additionally, the University is a federally-designated Center of Academic Excellence in Research on security. Due to the high demand of Computer Science in the Washington area, the new chair will oversee a rapid expansion of the faculty.

The new Chairperson will be expected to lead the Department, to supervise all of its resources, and to promote and support excellence in teaching and research. Equally, the new Chairperson, will lead an effective recruiting of talented faculty and students; he or she will vigorously catalyze and further develop the Department's collaborations and relationships across the University and with Government and industry. The new Chairperson will be an active promoter of diversity, an enthusiastic proponent of creativity, innovation and outreach, and an effective advocate and spokesperson for the Department, both within and beyond the University.

Applicants must have:

- a doctorate in Computer Science or a closely related field
- evidence of outstanding research and academic achievements with a strong reputation in the research and professional community

# Professional Opportunities

- a demonstrated ability to teach effectively at both graduate and undergraduate levels.

Inquiries will be accorded the utmost discretion. To inquire, please email: Roger Lang, Interim Chair of the Computer Science Department ([cschsearch@gwu.edu](mailto:cschsearch@gwu.edu)). To apply, complete the online faculty application, at <http://www.gwu.jobs/postings/30469> and upload a detailed CV or resume, full contact information for five professional references and a cover letter that describes your research and teaching accomplishments and your views of growth opportunities in computer science. References will be expected to address research and teaching skills necessary for appointment at the full professor rank, as well as, skills for the chair position including leadership, interpersonal, administrative, and mentoring abilities. Only complete applications will be considered. Review of applications will begin on January 4, 2016 and continue until the position is filled. Employment offers are contingent on the satisfactory outcome of a standard background screening.

The George Washington University is an Equal Employment Opportunity/Affirmative Action Employer that does not unlawfully discriminate in any of its programs or activities on the basis of race, color, religion, sex, national origin, age, disability, veteran status, sexual orientation, gender identity or expression, or on any other basis prohibited by applicable law.

Applications from women and underrepresented minority groups are strongly encouraged

## George Washington University

### *Two Tenure Track Faculty Appointments*

The Department of Electrical and Computer Engineering (ECE) at the George Washington University (GWU) invites applications for two tenure track faculty appointments at the Assistant or Associate Professor levels.

The ECE Department anticipates growth and investment in the following areas:

- 1) Computer architecture including but not limited to parallel and multicore architectures, interconnects, network on chips (NoCs), architectures for embedded and reconfigurable systems, heterogeneous architectures, dependable and secure architectures including fault-tolerant and resilient architectures, power/energy-efficient computing architectures.
- 2) Next generation VLSI/CAD design including design automation, testing, low-power circuits and devices, system-on-chips, new and emerging design technologies, and chip integration with novel devices and materials as found in nanoscale electronics and/or nanophotonics.

Basic Qualifications: Applicants must have an earned doctorate in Electrical and Computer Engineering or a related discipline. A demonstrated commitment to excellence in teaching at both undergraduate and graduate levels is expected. It is also essential that the applicants demonstrate a solid publication record and have established a strong, externally sponsored research program, or have potential to do so, and be willing to engage in existing and future large collaborative research endeavors.

More information about the department is available at <http://www.ece.seas.gwu.edu/>. To apply, please choose the most suitable link below for your desired position and complete the online application. Please upload a cover letter indicating your primary area(s) of expertise and interest and desired professorial rank, a detailed CV or resume, concise statements on teaching and research, and full contact information for five professional references. Only complete applications will be considered. Review of applications will begin on January 4, 2016 and will continue until the position is filled.

- 1) Computer Architecture: <http://www.gwu.jobs/postings/29437>

- 2) Next Generation VLSI/CAD Design: <http://www.gwu.jobs/postings/29439>

Employment offers are contingent on the satisfactory outcome of a standard background screening.

The university is an Equal Employment Opportunity/Affirmative Action Employer that does not unlawfully discriminate in any of its programs or activities on the basis of race, color, religion, sex, national origin, age, disability, veteran status, sexual orientation, gender identity or expression, or on any other basis prohibited by applicable law.

## Georgetown University

### *Tenure-Track Position*

The Department of Computer Science at Georgetown University invites applications for a tenure-track position in Computer Science at the Assistant Professor level. We seek candidates with expertise in one of the following areas:

- Big data analytics (including machine learning and visualization)
- Scalable systems (including parallel and distributed, cloud, high performance)
- Data-centric computing (including databases, data mining, and data science) or related fields.

A successful candidate is one who has demonstrated ability to conduct high-quality research in one or more of the areas of interest, has an interest in interdisciplinary research, and has the potential to excel in teaching at the undergraduate and graduate levels. The proposed start date is August 2016.

Applicants must have a Ph.D. in Computer Science or a closely related field. The degree must be completed before August 2016.

Information about submitting an application can be found at: <http://cs.georgetown.edu/job-ad-cs-assistant-prof>

# Professional Opportunities

Applications received by January 4, 2016, will receive full consideration for first-round interviews, though later applications are welcome. First round interviews will take place by phone and/or video conference in mid January.

Georgetown University is an Equal Opportunity, Affirmative Action Employer fully dedicated to achieving a diverse faculty and staff. All qualified candidates are encouraged to apply and will receive consideration for employment without regard to race, sex, sexual orientation, age, religion, national origin, marital status, veteran status, disability or other categories protected by law.

## Georgia State University

### *Department of Computer Science Lecturer Position*

The Department of Computer Science of Georgia State University invites applications for a lecturer position. The position will begin in August 2016 and an earned Ph.D. in Computer Science is required (candidates who are expected to receive their Ph.D. by December of 2016 will be considered). Preference will be given to candidates with prior experience in teaching undergraduate computer science courses.

The lecturer will be responsible for teaching a wide variety of undergraduate courses, including principles of computer science and programming, theoretical foundations of computer science, data structures, systems-level programming, and computer organization and assembly language. In addition, the lecturer will participate in advising, courses development, and lab supervision.

Georgia State University (GSU) is an urban public research university serving 32,000 students and is centered in the historic financial hub of downtown Atlanta. The Computer Science Department offers

programs leading to the B.S., M.S., and Ph.D. degrees in computer science.

At GSU, lecturers play a significant role in achieving the mission of the University. To recognize this, there is a clear career path that includes promotion to Senior Lecturer and Principal Senior Lecturer. This path mirrors the promotion process for tenure-track faculty.

Women and minorities are especially encouraged to apply. For best consideration, applications are due by January 10th, 2016 submitted online at: <https://academic.jobsonline.org/ajo/jobs/6482> Applicants should submit an academic CV, teaching statement, and a list of at least three references.

An offer of employment, pending budgetary approval, will be conditional on background verification. Georgia State University, a Research University of the University System of Georgia, is an AA/EEO employer.

## Gustavus Adolphus College

### *Visiting Assistant Professor of Computer Science*

Gustavus Adolphus College seeks a full-time one-year position to begin September 1, 2016. We seek candidates with a PhD or ABD and demonstrated excellence in undergraduate teaching. Assignments include introductory computer science courses using Python and Java (three courses per semester), and one January experimental course.

Visit <http://gustavus.edu/jobs> for application instructions. Application review begins January 18, 2016, and continues until the position is filled.

EOE Employer/Disabled/Vet

## Hanover College

### *Associate or Assistant Professor of Computer Science Tenure Track Ad 2015-16*

The Department of Computer Science at Hanover College invites applications for

a tenure track Associate or Assistant Professor. Area of specialization open. Position starts August 2016 with a 3-3-1 annual teaching schedule, including a full range of core and elective CS courses. Minimum qualifications include: Ph.D. by time of appointment, evidence of teaching experience and effectiveness at undergraduate level; ability to advise and mentor students; active participation in scholarly interests; and ability to embrace the liberal arts mission of the College. For further details visit <https://www.hanover.edu/about/employment>

Review of applications begins 11 January 2016 and continues until position is filled. Email application letter, curriculum vitae, teaching philosophy, description of research activities, undergraduate and graduate transcripts in a single pdf document to Professor Barbara Wahl, Chair, Computer Science Search, c/o Chris Wilcox, [wilcox@hanover.edu](mailto:wilcox@hanover.edu) In addition please have three letters of reference emailed directly to Professor Wahl c/o Chris Wilcox.

Hanover College is committed to providing equal access to its educational programs, activities, and facilities to all otherwise qualified students without discrimination on the basis of race, national origin, color, creed, religion, sex, age, disability, veteran status, sexual orientation, gender identity, or any other category protected by applicable state or federal law. An Equal Opportunity employer, the College also affirms its commitment to nondiscrimination in its employment policies and practices. In compliance with Title IX (20 U.S.C. Sec. 1681 et seq.) Hanover College prohibits sex discrimination, including sexual harassment.

## Harvard University

### *Tenure-track Position in Computer Science*

The Harvard John A. Paulson School of Engineering and Applied Sciences seeks applicants for a position at the tenure-track



# Professional Opportunities

level in Computer Science, with an expected start date of July 1, 2016.

This is a broad faculty search and we welcome outstanding applicants in all areas of computer science, including applicants whose research and interests connect to such areas as engineering, medicine, and the social sciences. We are particularly interested in candidates working in the broad areas of machine learning, human-computer interaction, programming languages, and systems (including networking, architecture, and databases).

The Computer Science program at Harvard University is experiencing a period of strong growth and expansion following an extraordinary gift in support of new faculty from alumnus and former Microsoft CEO Steve Ballmer, '77, and the largest gift in the University's history, received from John A. Paulson, M.B.A. '80, in support of SEAS.

Computer Science at Harvard benefits from outstanding undergraduate and graduate students, world-leading faculty, an excellent location, significant industrial collaboration, and substantial support from the Harvard Paulson School. Information about Harvard's current faculty, research, and educational programs in computer science is available at <http://www.seas.harvard.edu/computer-science>. The associated Institute for Applied Computational Science (<http://iacs.seas.harvard.edu>) fosters connections among computer science, applied math, data science, and various domain sciences at Harvard through its graduate programs and events.

Candidates are required to have a doctorate or terminal degree by the expected start date. In addition, we seek candidates who have a strong research record and a commitment to undergraduate teaching and graduate training.

Required application documents include a cover letter, cv, a statement of research interests, a teaching statement, and up to three representative papers. Candidates

are also required to submit the names and contact information for at least three and up to five references, and the application is complete only when three letters have been submitted. We encourage candidates to apply by December 15, 2015, but will continue to review applications until the position is filled. Applicants will apply on-line at <https://academicpositions.harvard.edu/postings/6497>

Harvard is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law.

## The Hong Kong University of Science and Technology

*Faculty Positions in Data Science*  
(<http://www.ust.hk>)

Founded in 1991, the Hong Kong University of Science and Technology (HKUST) is a world renowned international research university in Asia's most vibrant city. The University comprises more than 500 faculty members whose research ranges from science to engineering, business, humanities and social sciences. It promotes interdisciplinary studies, dedicated to educating all-rounded students to acquire a strong entrepreneurial spirit and innovative thinking with a global outlook. HKUST has been ranked among the top universities in Asia by QS Asian University Rankings. It ranks 16th in the latest Global Employability University Survey reported by the New York Times, and remains No. 1 in Greater China area. English is the medium of teaching, research and administration.

With the approaching of its 25th anniversary, the University will conduct a clustered hiring campaign aimed at advancing the University's academic strengths in selected cross-disciplinary areas that are strategically important to HKUST's future development. We

are seeking renowned scholars, academics, leaders or potential leaders in the core cross-disciplinary area in Data Science.

Successful candidates should have a PhD degree and have demonstrated a solid research track-record in data science or a related field. Outstanding researchers in all areas of data science are welcome to apply, and applicants in Smart Cities or Health and Biomedical related areas are especially encouraged. Preferences will be given to applicants with the ability to build systems and developing techniques that facilitate scalable data-driven discovery or whose expertise lies in the discovery of new knowledge through multidisciplinary work.

Apart from having an exceptional research record, successful candidates should demonstrate strong potential as excellent teachers and advisers. Evaluation criteria include also the ability and willingness in leading and building an interdisciplinary group of researchers across the university, actively working with outside industry and organizations on data science problems, and involvement in the development and delivery of undergraduate and graduate training in data science. A good ability in communicating data science related problems well beyond one's own research area, especially to data rich organizations and industry partners, is considered a plus.

Applications are invited for a number of substantiation-track faculty positions at all ranks of Professor/Associate Professor/Assistant Professor in the above areas. Joint appointments in more than one academic department in the University are expected.

Appointments can start as early as on 1 September 2016. Salary is highly competitive and will be commensurate with qualifications and experience. Fringe benefits include medical/dental benefits, annual leave, and housing benefits where applicable. For appointment at the rank of Assistant Professor, initial appointment will normally

# Professional Opportunities

be on a three-year contract. A gratuity will be payable upon completion of contract.

## Application Procedure

Applicants are encouraged to apply directly on <http://www.mathjobs.org/jobs/HKUSTDataScience>. Applications should include a cover letter, a CV, names of three referees, a research/teaching statement as well as other evidence of excellence. The recruitment will be open year long, but applications received early will be given priority consideration. Please email to: [datasci@ust.hk](mailto:datasci@ust.hk) for any inquiries.

## IBM Thomas J. Watson Research Center, Yorktown Heights, NY

### *Mathematical Sciences Department*

### *IBM Herman Goldstine Memorial Postdoctoral Fellowship in Mathematical Sciences*

The Mathematical Sciences Department of the IBM Watson Research Center invites applications for its 2016-2017 Herman Goldstine Memorial Postdoctoral Fellowship for research in mathematical and computer sciences. Areas of research in the department include algorithms, complex systems, data mining, dynamical systems, high-performance computing, inverse problems, numerical analysis, optimization, operations research, probability theory, and statistics. Up to two fellowships will be awarded with a stipend between \$105,000 and \$130,000.

Applications must be received before January 12, 2016. Complete details at <http://www.research.ibm.com/goldstine/>

## Indiana University

### *Dean of the School of Informatics and Computing*

Indiana University seeks a visionary and creative leader to become the next Dean of the School of Informatics and Computing.

Founded in 2000, the School of Informatics and Computing is one of the largest, broadest, and most accomplished schools of its kind. With campuses in Bloomington and Indianapolis, the School's mission is to excel and lead in education and research that spans and integrates the core scientific and technical aspects of computing, a broad range of interdisciplinary applications, and consideration of human issues and societal implications.

The School offers a rare combination of programs, including informatics, computer science, library science, and information science. Building upon rapidly growing enrollments and research funding, the next dean will have an extraordinary opportunity to advance the School's programs and recognition during its projected expansion over the next five years. The Dean will oversee the construction of a new \$40 million building, and the development of a new department of engineering.

The Dean serves as the chief academic and administrative officer for the School of Informatics and Computing, and reports to the Provost and Executive Vice President. The Dean is based in Bloomington, a cosmopolitan college town with a beautiful campus, and the School's Indianapolis campus is located in the state's capital and largest municipality. The Dean will lead an organization of approximately 150 research-productive faculty, 100 staff, and 3,500 undergraduate and graduate students on both campuses. The School is committed to enhancing and supporting diversity among its students, faculty, and staff, and to promoting entrepreneurship and economic development in the State of Indiana.

Candidates should hold a doctoral degree in a related field, have significant experience leading a complex organization, a demonstrated record of enhancing the success of women and minorities, and scholarly achievements appropriate for a

tenured professorship at Indiana University. Candidates should also possess the strong administrative, managerial, development, and communication skills necessary to lead a school of informatics and computing in a highly interdisciplinary public research university.

The Dean's appointment is expected to begin July 1, 2016. Additional information about the School can be found at: <http://www.soic.indiana.edu/>

While applications and nominations will be accepted until the position is filled, interested parties are encouraged to submit their materials by November 1st to assure optimal consideration. Candidate materials should include a letter of interest and curriculum vitae. Please send nominations, inquiries, and applications in confidence and electronically to our consultant at the following address:

IU Dean I&C  
R. William Funk & Associates  
100 Highland Park Village, Suite 200  
Dallas, Texas 75205  
Email: [krisha.creal@rwilliamfunk.com](mailto:krisha.creal@rwilliamfunk.com)  
Fax: 214/295-3312

*Indiana University is an Equal Opportunity, Affirmative Action Employer and a provider of ADA services. All qualified applicants will receive consideration for employment without regard to age, ethnicity, color, race, religion, sex, sexual orientation or identity, national origin, disability status or protected veteran status.*

## The Indiana University School of Informatics and Computing - Indianapolis

### *Open Rank Tenure Track Faculty Position in Human-Centered Computing*

The Indiana University School of Informatics and Computing - Indianapolis invites applications for one or more open-rank tenure-track faculty positions in the

# Professional Opportunities

Department of Human-Centered Computing. The appointment will begin August 1, 2016 at the Indiana University-Purdue University Indianapolis (IUPUI) campus. Exceptional researchers are being sought to join our fast-growing department. Candidates must demonstrate an outstanding scholarly record of research, exhibited by high-impact peer-reviewed publications and a forward-looking, vigorous research agenda that will secure competitive, external funding. While we are seeking candidates in all areas of Human-Centered Computing, we are particularly interested in those with strong research experience and a commitment to graduate and undergraduate teaching in the areas of Human-Computer Interaction (HCI) and Informatics. Topics of interest include (but are not limited to): accessibility, embodied interaction, interaction design, healthcare HCI, "big data" and visual analytics. By strengthening or complementing the faculty research in the department, the ideal candidates will use creative, innovative approaches and technologies to address fundamental HCI and informatics challenges with broader societal impact, and have the potential to leverage the strengths of the IUPUI campus, including its unique location in downtown Indianapolis, opportunities for civically-engaged research, interdisciplinary and collaborative environment and nation-wide leadership in the health and life sciences. Highly-qualified candidates at all ranks will be considered.

Full description and application instructions available at <http://soic.iupui.edu/openings/hcc-tenure-track/>.

IUPUI is an Affirmative Action/Equal Opportunity Institution M/F/D/V.

## Indiana University School of Medicine

### *Department of Medical and Molecular Genetics*

#### *Research Associate*

The Department of Medical and Molecular Genetics at Indiana University School of Medicine is seeking applicants for a position at the Research Associate in assisting cancer bioinformatics projects. The position requires a Ph.D. degree or an M.S. with at least 1 years of academic or industrial experience in Computer Sciences, Molecular Biology, Bioinformatics, Medical Informatics, Statistics, Computational Biology or a related discipline. Hands-on experience in biological data processing and visualization software/tools usage such as R/Bioconductor is required. Experiences on Perl, Java, Python, SAS, sequencing data processing software packages, and MS SQL database are highly desirable. Strong communication skill is also required. Indiana University is an EEO/AA employer, M/F/D/V.

Applicants should submit a letter of interest, curriculum vitae, and three letters of reference to Susan Steele-Moore ([ssteele2@iu.edu](mailto:ssteele2@iu.edu)), 410 West 10th Street, HITS 5000, Indianapolis, IN, 46202.

## The Jackson Laboratory

### *Application Computational Scientist in Computational Sciences (Genomics, Sequencing Analytics and Statistics/ Machine Learning)*

#### **Job Description**

Position is immediately available for an Application Computational Scientist to join our Computational Sciences – Statistics & Analytics (CS-SA) group. This position offers plenty of opportunity to make leading contributions to cutting edge research and operations in disease genomics studies and translational research in collaboration with the faculty and the clients of The Jackson

Laboratory. Cross campus and industry collaborations are encouraged.

The Application Scientist reports to a Computational scientist and have primary responsibility for providing sequencing analytics and data interpretation to the scientific research programs at the Jackson Laboratory for Genomic Medicine in Farmington, CT and its collaborative programs.

The ideal candidate will:

- Have a Ph.D. in bioinformatics, biostatistics, computer science or any relevant field of study.
- A relevant MS and substantial experience in Bioinformatics will also be considered.
- Have a proven track record and enthusiasm for working in a dynamic high performance research team environment;
- Demonstrate the aptitude and capacity to work in highly demanding research and genomics operations.
- Be creative contributors and eager to learn new technologies and science

Incumbents are required to live and work in Connecticut with periodic multi-day work visits to the Bar Harbor, Maine campus.

#### **Desired Skills**

- Experience in High Throughput Sequence (HTS) data analysis, development of sequence analysis tools (bioinformatics programming) & pipelines, evaluation of analytical tools and technologies, and delivering training to the research community.
- Experience using analysis packages such as GATK, R/SAS is required.
- Experience in applying statistics and/or machine learning in genomics analytics is required
- Experience in experimental design, data integration, algorithm development is a plus

# Professional Opportunities

- Experience in the bioinformatics of cancer biology and immunology is a plus.
- Experience in developing computational algorithms and systems to support genetics and genomics research is a plus.
- Excellent communication skills including skills necessary to present at the conferences and workshops, write study designs and analytical methods.

## Desired Experience

The successful candidate will have PhD degree in Statistics, Biostatistics, Computer Science or Bioinformatics. Bioinformatics expertise in bioinformatics of cancer biology and immunology is a plus. The candidates with proven track record of analysis of a variety of sequencing data, applying statistical and machine learning techniques, independent collaborative work and leading contributions to a biological discipline will be preferred.

## Job Location

Farmington, CT, US

## Position Type

Full-Time/Regular

Salary will be commensurate with experience and qualifications.

## Application

Interested candidates may submit applications online at [www.jax.org/careers](http://www.jax.org/careers) that include CV, list of publications, and brief statement of research interests along with a cover letter.

## Johns Hopkins University

### Tenure-Track Faculty Positions

The Johns Hopkins University's Department of Computer Science seeks applicants for tenure-track faculty positions at all levels and across all areas of computer science. Particular emphasis is at the junior level and in the areas of systems, distributed systems, networks and system security, however, all

qualified applicants in all areas of computer science will be considered.

The Department of Computer Science has 25 full-time tenured and tenure-track faculty members, 8 research and 3 teaching faculty members, 130 PhD students, 130 MSE/MSSI and 216 undergraduate students. We have several affiliated research centers and institutes including Center for Language and Speech Processing, JHU Information Security Institute, Laboratory for Computational Sensing and Robotics, Institute for Data Intensive Engineering and Science, Engineering in Healthcare and more. More information about the Department of

Computer Science can be found at [www.cs.jhu.edu](http://www.cs.jhu.edu) and about the Whiting School of Engineering at [www.engineering.jhu.edu/about/](http://www.engineering.jhu.edu/about/). Qualifications and required materials can be found at <http://www.cs.jhu.edu/about/employment-opportunities/>.

Applicants should submit a curriculum vitae, a research statement, a teaching statement, three recent publications, and complete contact information for at least three references. Applications must be made on-line at <https://academicjobsonline.org/ajol/jobs/6431>. Review of applications will begin in December 2015. While candidates who complete their applications by December



## SCHOOL OF INFORMATICS AND COMPUTING INDIANA UNIVERSITY Bloomington

### Indiana University School of Informatics and Computing Faculty Positions in Intelligent Systems Engineering

The School of Informatics and Computing (SoIC) at Indiana University (IU) Bloomington invites applications for faculty positions in **Intelligent Systems Engineering**. Multiple positions are open at all levels (asst, assoc, or full). Cluster hires are encouraged as are interdisciplinary applications spanning the interests of SoIC and collaborating with IU units. Duties include teaching, research, and service.

The department of Intelligent Systems Engineering is an innovative new program that focuses on the engineering of systems of smaller-scale, often mobile devices that draw upon modern information technology techniques including intelligent systems, big data and user interface design. Its foundation also includes computer engineering, cyber-physical systems, sensor and detector technologies, signal processing, and information and control theory. **We intend to add about 20 new faculty over the next 4 years covering these areas as well as interdisciplinary thrusts in bioengineering, molecular and nanoscale engineering, environmental engineering and neuro-engineering with an interdisciplinary IT component.** The program will offer a BS and a PhD for students entering in fall 2016, while a future MS will be developed this fall. The program will draw upon IU Bloomington's considerable education and research strengths in biology, chemistry, computer science, environmental science, informatics, physics, network science, psychological and brain sciences, business and law. New faculty will have considerable opportunity and responsibility to shape the development of curricula and research. There will be a strong emphasis on world-class research, built around a few strong focused laboratories and proactively involving undergraduates. More information can be found at <https://www.engineering.indiana.edu/>. The department will be located in the new SoIC building which will be complete in about 30 months.

**Interested candidates should review the application requirements and submit their application at: <http://indiana.peopleadmin.com/postings/1900>**

**For full consideration applications are due by 2/1/16 but earlier submission is encouraged.**

Questions regarding the positions or application process can be directed to [isechair@indiana.edu](mailto:isechair@indiana.edu) or Faculty Search, SoIC, 919 E 10<sup>th</sup> St, Bloomington, IN 47408.

*Indiana University is an equal employment and affirmative action employer and a provider of ADA services. All qualified applicants will receive consideration for employment without regard to age, ethnicity, color, race, religion, sex, sexual orientation or identity, national origin, disability status or protected veteran status.*

# Professional Opportunities

15, 2015 will receive full consideration, the department will consider exceptional applicants at any time.

The Johns Hopkins University is committed to active recruitment of a diverse faculty and student body. The University is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans and individuals with disabilities and encourages applications from these and other protected group members. Consistent with the University's

goals of achieving excellence in all areas, we will assess the comprehensive qualifications of each applicant.

The Whiting School of Engineering and the Department of Computer Science are committed to building a diverse educational environment.

## Johns Hopkins University

*Tenure Track Professor*

*Baltimore, Maryland*

*Subject Areas: Data Science, Computer Sciences, Applied Math*

The Whiting School of Engineering at Johns Hopkins University is seeking outstanding faculty candidates in all engineering disciplines whose research will contribute to the development and advancement of engineering methods in medicine and



### Indiana University School of Informatics and Computing Faculty Positions in Computer Science and Informatics

[The School of Informatics and Computing \(SoIC\)](#) at Indiana University Bloomington invites applications for faculty positions in **computer science**, **health informatics**, and **security informatics**. Positions are open at all levels (assistant, associate, or full professor). Duties include teaching, research, and service.

Computer science applications are especially encouraged in the areas of databases, machine learning, and systems (particularly cyber-physical systems, parallelism, and networks).

Health informatics applications are especially encouraged in the areas of patient-facing technologies, including but not limited to novel technologies used by patients outside the clinical setting.

Security informatics applications are welcome from information and computer scientists in a wide range of areas including but not limited to usable security, human-centered design, identity, social informatics of security, and design for privacy.

Applicants should have an established record (for senior level) or demonstrable potential for excellence (for junior level) in research and teaching, and a PhD in a relevant area or (for junior level) expected before 8/16.

The SoIC is the first of its kind and among the largest in the country, with unsurpassed breadth. Its mission is to excel and lead in education, research, and outreach spanning and integrating the full breadth of computing and information technology. It includes Computer Science, Informatics, and Information and Library Science, with over 100 faculty, 900 graduate students, and 1500 undergraduate majors on the Bloomington Campus. It offers PhDs in Computer Science, Informatics, and Information Science.

Bloomington is a culturally thriving college town with a moderate cost of living and the amenities for an active lifestyle. Indiana University is renowned for its top-ranked music school, high-performance computing and networking facilities, and performing and fine arts.

All applicants should submit a CV, a statement of research and teaching, and names of 6 references (3 for junior level) using the links below (preferred) or to Faculty Search, SoIC, 919 E 10<sup>th</sup> St, Bloomington, IN 47408. Questions may be sent to [hiring@soic.indiana.edu](mailto:hiring@soic.indiana.edu). For full consideration applications are due by 12/1/15.

<http://indiana.peopleadmin.com/postings/1693> (computer science)

<http://indiana.peopleadmin.com/postings/1694> (health informatics)

<http://indiana.peopleadmin.com/postings/1695> (security informatics)

*Indiana University is an equal employment and affirmative action employer and a provider of ADA services. All qualified applicants will receive consideration for employment without regard to age, ethnicity, color, race, religion, sex, sexual orientation or identity, national origin, disability status or protected veteran status.*



# Professional Opportunities

healthcare. This search is open to all faculty ranks and to candidates in all engineering disciplines including Computer Science and Applied Mathematics. Particular interest is in candidates with a focus in data science, smart devices, workflow modeling and optimization, and mobile health. Candidates with a demonstrated ability to translate their work to healthcare-related settings are particularly desirable.

The Whiting School intends to make a substantial, multi-year investment in the areas of engineering related to healthcare, and is seeking to fill multiple tenure track positions across multiple departments. More information on this initiative can be found at <http://wsehealthcare.jhu.edu>. More information about the Whiting School

of Engineering can be found at <https://engineering.jhu.edu>.

Applicants should submit a curriculum vita, a research statement, a teaching statement, three recent publications, and complete contact information for at least three references. Applications must be made on-line at AcademicJobsOnline <https://academicjobsonline.org/ajo/jobs/6325>. Review of applications will begin in December 2015. Applications will be reviewed on a continuous basis. Candidates who complete their applications by December 15 2015 will receive full consideration for appointments starting July 1, 2016.

The Whiting School of Engineering is committed to building a diverse educational environment, and women and minorities are

strongly encouraged to apply. Johns Hopkins University is an EO/AA employer committed to recruiting, supporting, and fostering a diverse community.

## Louisiana State University

*Department of Computer Science and Engineering - College of Engineering  
Assistant/Associate/Full Professor - (Tenure-Track, Tenured)*

The Division of Computer Science and Engineering (CSE) within the School of Electrical Engineering and Computer Science (EECS) at Louisiana State University (LSU)-Baton Rouge invites applications for one faculty position beginning August 2016. The target focus is on cybersecurity and closely related areas. The rank is open (assistant/associate/full professor) tenure-track/tenured level jointly with LSU Center for Computation and Technology. Exceptionally qualified candidates in other areas of computer science will also be considered. For more information regarding this position, please refer to URL <https://lsusystemcareers.lsu.edu>.

The newly formed School of Electrical Engineering and Computer Science is comprised of the Computer Science and Engineering (CSE) Division and the Electrical and Computer Engineering (ECE) Division. The CSE division ([www.csc.lsu.edu](http://www.csc.lsu.edu)) has a strong record in research and graduate training (MS and PhD degrees), ongoing federal, state and industry funded research projects in several key areas of computer science. Excellent opportunities exist for collaboration with other departments in the College of Engineering, and the Center for Computation and Technology (CCT) at LSU. In particular, CCT hosts state-of-the-art supercomputing and visualization facilities enabling research collaborations across diverse fields ([www.cct.lsu.edu](http://www.cct.lsu.edu)).

Responsibilities include establishing a vigorous, externally funded research



## **Professor of Practice, Computation and Data Analytics**

The Department of Industrial and Systems Engineering (ISE) at Lehigh University invites applications for a full-time, non-tenure track Professor of Practice position in Computation and Data Analytics. We welcome applicants with an established strength in Data Analytics and/or High-Performance Computing and a degree in any ISE-relevant discipline, including industrial engineering, operations research, systems engineering, and computer science. A Ph.D is preferred, but exceptional candidates with an MS will be considered. The primary duties of this position will involve the teaching of courses related to both data analytics and computation at both the undergraduate and masters levels. Additional duties may include mentoring students in industry and other research projects and theses; developing industry and government partnerships to increase the ISE department's intellectual footprint; serving as academic advisor; helping to maintain and develop the department's computational facilities; and contributing to curriculum development. Participation in collaborative research projects is also possible.

All applications must be submitted through AcademicJobsOnline.org.

Review of applications will begin December 1, 2015.

Please visit AcademicJobsOnline.org for a more complete description of the position.

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program, publishing in highly ranked journals and conference proceedings, supervising graduate students, and teaching graduate and undergraduate courses in the applicant's area of specialization, serving on committees in the division, college, and professional societies, and providing service to the profession and the university. The position will be 50% teaching and 50% research.

## Required Qualifications:

The successful applicant will possess a Ph.D. in Computer Science or other relevant discipline, a record of published research, and will have the ability to attract funding. Applicants who are A.B.D. and will complete the Ph.D. by the time of appointment will be considered.

Salary and rank are commensurate with qualifications and experience. An offer of employment is contingent on a satisfactory pre-employment background check.

Application review will begin December 1, 2015 and will continue until a candidate is selected. Apply online and view a more detailed ad at: [www.lsusystemcareers.lsu.edu](http://www.lsusystemcareers.lsu.edu). Position #038235

## LSU is committed to diversity and is an equal opportunity/equal access employer

Quick link at ad URL: <https://lsusystemcareers.lsu.edu/applicants/Central?quickFind=60003>

## Lynchburg College

### *Assistant Professor of Computer Science*

The Computer Science Program of Lynchburg College invites applications for a full-time, tenure-track Assistant Professor position to begin in August 2016. Successful candidates will have a strong commitment to teaching a broad range of computer science courses at the undergraduate level. Duties include teaching two or three courses per semester (primarily for computer science majors), supervising undergraduate research

projects, and participating in department and college service. Applicants must have a Ph.D. in Computer Science and a primary interest in teaching undergraduates at a small private college. Selected candidate must pass a background check that is satisfactory to the College.

Interested applicants should send a letter of application, a curriculum vita, statement of teaching philosophy, and three letters of reference, and unofficial graduate transcripts to Irene Sterne, Lynchburg College, 1501 Lakeside Drive, Lynchburg, Virginia 24501. E-mail applications will be accepted in MS Word or PDF format sent to [sterne@lynchburg.edu](mailto:sterne@lynchburg.edu). Review of applications will begin immediately and continue until the position is filled. EOE

## Max Planck Institute

### *Tenure-track openings*

Applications are invited for tenure-track faculty positions in all areas related to the theory and practice of software systems, including security and privacy, embedded and mobile systems, computational social science, legal, economic, and social aspects of computing, NLP, machine learning, information and knowledge management, programming languages, verification, parallel and distributed systems.

A doctoral degree in computer science or related areas and an outstanding research record are required. Successful candidates are expected to build a team and pursue a highly visible research agenda, both independently and in collaboration with other groups.

MPI-SWS, founded in 2005, is part of a network of over 80 Max Planck Institutes, Germany's premier basic research facilities. MPIS have an established record of world-class, foundational research in the sciences, technology, and the humanities. The institute offers a unique environment that combines

the best aspects of a university department and a research laboratory: Faculty enjoy academic freedom, receive institutional funding and attract additional third-party funds to build and lead a team of graduate students and post-docs; they supervise doctoral theses, and have the opportunity to teach graduate and undergraduate courses. The institute offers outstanding technical infrastructure and administrative support, as well as internationally competitive compensation.

The institute is located in Kaiserslautern and Saarbrücken, in the tri-border area of Germany, France and Luxembourg. We maintain an international and diverse work environment and seek applications from outstanding researchers worldwide. The working language is English; knowledge of the German language is not required for a successful career at the institute.

Qualified candidates should apply at "<https://apply.mpi-sws.org/>". To receive full consideration, applications should be received by December 15, 2015.

The institute is committed to increasing the representation of minorities, women and individuals with physical disabilities in Computer Science. We particularly encourage such individuals to apply.

The initial tenure-track appointment is for five years; it can be extended to seven years based on a midterm evaluation in the fourth year. A permanent contract can be awarded upon a successful tenure evaluation in the sixth year.

## Michigan State University

### *Computer Science and Engineering*

### *Faculty Positions in Cybersecurity, Biometrics and Machine Learning*

Join Michigan State University's Global Impact Initiative, designed to address the grand challenges through the creation of over 100 new faculty positions in some

# Professional Opportunities

of the most promising and exciting fields of research. We welcome applicants from diverse backgrounds. MSU offers an inclusive and collaborative work environment. To learn more visit [research.msu.edu/global-impact](http://research.msu.edu/global-impact).

The Department of Computer Science and Engineering (CSE) at Michigan State University (MSU) invites applications for three tenure-system faculty positions, one position in the area of cyber security, and one position in the area of biometrics, and one position in machine learning and related areas. The biometrics and machine learning positions are targeted at the junior faculty level and the cyber security position at the senior level, but candidates may be considered at all ranks for all positions.

The successful candidates will be expected to develop an externally-funded interdisciplinary research program of national prominence that includes fundamental research, publications in journals and high quality conferences, and training graduate students. Multidisciplinary research is strongly encouraged and is being actively pursued by the faculty members at MSU. Leadership is expected in the development of innovative educational programs that provide state-of-the-art knowledge to both undergraduate and graduate students. Candidates should have a Ph.D. in Computer Science or a closely related field, with demonstrated evidence of research accomplishments, teaching skills, and ability to work effectively with other researchers within the Department and colleagues on campus. Appointments will start in August 2016.

MSU enjoys a park-like campus with outlying research facilities and natural areas. The campus is in the city of East Lansing and adjacent to the capital city of Lansing. The Lansing metropolitan area has a diverse population of approximately 450,000 residents. Local communities have excellent school systems and place a high value on

education. Michigan State University is pro-active in exploring opportunities for employment for dual career couples, both inside and outside the University, see <http://miwin.msu.edu/>. Information about work and life at MSU and the College of Engineering can be found at <http://www.egr.msu.edu/WE>.

Applicants should submit a cover letter, curriculum vitae, the names of at least three references, and statements of their research and teaching interests through <http://jobs.msu.edu> and refer to posting 2340. Applications will be reviewed on a continuing basis until the positions are filled. Review of applications will begin on January 4, 2016. For questions about these positions, contact the search committee chair at [search@cse.msu.edu](mailto:search@cse.msu.edu).

Additional information about the university, college and department is available at:

CSE Department - <http://www.cse.msu.edu>

College of Engineering - <http://www.egr.msu.edu/>

MSU - <http://www.msu.edu/>

*Michigan State University has been advancing the common good with uncommon will for more than 160 years. A member of the Association of American Universities, MSU is a research-intensive institution with 17 degree-granting colleges.*

*MSU is an affirmative-action, equal opportunity employer. MSU is committed to achieving excellence through a diverse workforce and inclusive culture that encourages all people to reach their full potential. The University actively encourages applications and/or nominations of women, persons of color, veterans and persons with disabilities.*

## Missouri University of Science and Technology

### *One Full-Time, Tenure-Track Faculty Positions*

Missouri University of Science and Technology invites applications for one full-time, tenure-track faculty positions in advanced manufacturing, including novel manufacturing processes, additive manufacturing, bio-manufacturing, micro/nano-manufacturing, cyber enabled manufacturing, and areas complementary to advanced manufacturing, although candidates in other areas of advanced manufacturing will also be considered. We are particularly interested in qualified candidates who have expertise in one or more of the following areas: metrology, materials processing, process control, cloud and big data, multi-scale modeling and analysis, and design for materials/manufacturing/systems. The openings are anticipated to be filled at the assistant professor level, however, appointment at a higher level will also be considered. **The appointment is anticipated to begin Fall 2016.**

With leading researchers and facilities for additive manufacturing, micro- and nano-manufacturing, and sensor-enabled intelligent manufacturing, Advanced Manufacturing at Missouri S&T is well-positioned to develop into a world-class research enterprise. The university is one of 23 university partners in a national initiative to reinvent manufacturing through Digital Labs, announced by President Obama in February 2014. Finally, it has three industrially relevant national research centers: the Center for Aerospace Manufacturing Technologies; the Peaslee Steel Manufacturing Research Center; and a site of the NSF Industry-University Cooperative Research Center in Intelligent Maintenance Systems.

# Professional Opportunities

Qualified candidates will possess a Ph.D. in mechanical engineering, electrical engineering, industrial engineering, materials science, computer science or related fields. Successful candidates will be required to demonstrate the potential to establish and grow a strong research program and will participate in all aspects of Missouri S&T's mission, which includes research, teaching and service.

**Review of applications will begin on Dec. 1, 2015** and applications will be accepted and reviewed until the position is filled. All application materials must be electronically submitted to the Missouri University of Science and Technology's Human Resource Office at **job number:** 18263: [https://myhr.umsystem.edu/psp/tamext/ROLLA/HRMS/c/HRS\\_HRAM.HRS\\_CE.GBL?SiteId=10](https://myhr.umsystem.edu/psp/tamext/ROLLA/HRMS/c/HRS_HRAM.HRS_CE.GBL?SiteId=10). Acceptable electronic formats that can be used include PDF and Word.

Missouri S&T is an AA/EEO employer and does not discriminate on the basis of race, color, religion, national origin, sex, sexual orientation, gender identity, gender expression, age, disability, or status as a protected veteran. Females, minorities, and persons with disabilities are encouraged to apply. The university participates in E-Verify. For more information on E-Verify, please contact DHS at: 1-800-464-4218.

## Missouri University of Science and Technology, Rolla, MO

### Computer Science

*Assistant Professor* - <http://cs.mst.edu/>

The Department of Computer Science at the Missouri University of Science and Technology in Rolla, Missouri is seeking outstanding applicants for one or more tenure-track (TT) faculty positions in all the areas of computer science at the level of Assistant Professor. Stronger candidates at higher levels may be considered. Preference will be given to areas such as big data,

cyber-physical systems, cyber security, social networks, smart and connected health, middleware and software engineering. Competitive salary commensurate with the rank and qualifications of the candidates will be offered.

The successful TT candidate will be expected to have a strong commitment to contributing to the departmental research efforts, high-quality teaching both at the undergraduate and graduate levels, and service. Applicants should have a demonstrated excellent record of research publications, external funding, and evidence of high-quality teaching. Applicants must hold a Ph.D. in Computer Science or a closely related field by the appointment start date.

Interested TT applicants must apply at: <http://hraadi.mst.edu/hr/employment> using Reference Number 48994. An application should include 1) a cover letter, 2) a current curriculum vitae, 3) a statement of research and teaching interests and experience, and 4) complete contact information for four references.

Acceptable electronic formats include PDF and MS Word. Applications will be reviewed after they are received and the review of applications continues until the position is filled. More information about the position can be found at: <http://cs.mst.edu>.

Missouri S&T is an AA/EEO employer. Females, minorities, and persons with disabilities are encouraged to apply.

## Morgan State University

### Department of Computer Science

#### *Full-Time Faculty Position - Assistant Professor, Tenure-Track*

The Department of Computer Science of Morgan State University has an immediate opening for a tenure-track Assistant Professorship. The targeted areas include cyber learning and big data but strong candidates in all other areas would also

be considered. The candidate should have an earned Ph.D. in Computer Science or a related area, and show a strong potential for excellent teaching and fundable research.

Founded in 1867, Morgan State University is a historically Black university, located in a residential area in northeast Baltimore. Its mission today is to enroll a student body that is diverse in its socioeconomic and academic status. It is known for its excellence in teaching, research, public service and community engagement, and is one of four public doctoral research institutions in Maryland. The Computer Science Department is currently on a rapid expansion path with a new Department Chair who is an IEEE Fellow and an AAAS Fellow. The Department offers a Bachelor of Science program in Computer Science and a Master of Science in Bioinformatics and plans to open a Master of Science program in Data Science. The Department offers a stimulating environment that encourages strong collaborative interactions and opportunities for multidisciplinary research. The Computer Science Department is one of the six Departments/programs within the School of Computer, Mathematical and Natural Sciences and has several doctoral programs, including a doctoral program in industrial and computational mathematics.

**To Apply:** Please submit a letter of interest, curriculum vitae, teaching and research statements, official transcripts, and arrange to send three letters of recommendation from colleagues who can speak to the quality of the applicant's teaching and research to: Dr. Prabir Bhattacharya, Chair, Computer Science Department, 205 Calloway Hall, 1700 East Coldspring Lane, Morgan State University, Baltimore, MD 21251, or electronically to [wendy.smith@morgan.edu](mailto:wendy.smith@morgan.edu).

Applications will be accepted until the position is filled.

**NOTE:** THE DEPARTMENT WILL CONTACT ONLY THE APPLICANTS SELECTED FOR INTERVIEW.



# Professional Opportunities

*Morgan State University is an equal opportunity affirmative action employer. As required by the 1986 Immigration Act, the applicants should be prepared to present acceptable documentation demonstrating authorization to work in the United States.*

## Mount Holyoke

*Visiting Assistant Professor in Computer Science and Data Science*

Mount Holyoke College invites applications for a Visiting Assistant Professor in Computer Science and Data Science for a period of up to four years to begin in fall 2016. We seek individuals who apply innovative computational techniques to a diverse

array of datasets to reveal novel patterns and insights. Such techniques may include advanced statistical analyses, mathematical models, machine learning, visualization, and other approaches.

Successful candidates will be housed within the Department of Computer Science and will be part of a three hire Data Science cluster that will interact with and contribute to a growing interdisciplinary Data Science program at the College <http://www.mtholyoke.edu/acad/faculty/curricular-initiatives/data-science> and the Women in Data Science initiative funded by MassMutual <https://www.mtholyoke.edu/media/massmutual-partnership-propels-women-data-science>.

Applicants are expected to have a doctorate. The applicant should have a strong commitment to research and undergraduate teaching; a research program that can easily accommodate and encourage undergraduates is crucial. The candidate is expected to teach three courses per year in his or her area of expertise at the College as well as one graduate-level course in the applicants' area of expertise at the MassMutual Data Science Labs. Mount Holyoke is committed to fostering multicultural diversity and awareness in its faculty, staff, and student body. Women and persons of color are especially encouraged to apply.

Applications must be made on-line at <https://jobs.mtholyoke.edu> by submitting a CV and three statements concerning (1) teaching philosophy, (2) research plans, and (3) mentoring a diverse student body. Applicants should also arrange to have three letters of reference submitted on their behalf. Review of applications will begin on January 10 and continue until the positions are filled. We recommend early submission because electronic prompts to referees will be generated automatically (and letters of reference accepted) only after the completed

West Long Branch, NJ

## MONMOUTH UNIVERSITY Assistant Professor

The Department of Computer Science and Software Engineering at Monmouth University welcomes applications for one tenure-track Assistant Professor position to begin in the fall 2016 semester.

Successful candidates will be enthusiastic educators ready to embrace Monmouth University's commitment to transformative learning, engage students in shared learning and research opportunities, and challenge students to think critically. They will be expected to: teach 9 credits per semester of undergraduate and graduate courses in computer science or software engineering (12 credits with a 3 credit course load reduction for graduate faculty); serve on various committees at the Department, School and University levels; maintain an active research program shared with undergraduate and graduate students; and actively mentor and advise students.

The Department of Computer Science and Software Engineering offers undergraduate degrees in Computer Science and Software Engineering (2 undergraduate programs are ABET -accredited), and Master of Science degrees in Computer Science, Software Engineering and Information Systems.

Applications will be reviewed on a rolling basis. All applications received by January 10, 2015 will receive our fullest consideration, and the application process will remain open until the positions are filled. Women and individuals from groups underrepresented in computing are encouraged to apply.

### **Required Degree, License or Certifications:**

Doctoral degree

### **Required Skills or Software:**

Excellent interpersonal, organizational and communication skills

Log in to <http://apptrkr.com/716236> to apply and see the job duties for this position no later than the deadline date.

AA/EOE



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application has been submitted. For more information, please contact [datascience@nthuolyoke.edu](mailto:datascience@nthuolyoke.edu).

## Mount Mercy University

*Assistant Professor of Computer Science*

Mount Mercy University invites applications for a tenure-track Computer Science faculty position beginning Fall 2016. Responsibilities include teaching varied undergraduate CS courses, advising, and scholarship. Availability to teach evening courses essential. PhD in Computer Science or related field required. Teaching experience is a plus.

For further details and application instructions visit: <https://www.mtmercy.edu/assistant-professor-computer-science-0>

Mount Mercy University is an equal opportunity employer and a smoke free environment.

## National Tsing Hua University, Taiwan

*Department of Computer Science*

*Full-Time Faculty Positions*

**The deadline for application is February 19, 2016**

Dept. of Computer Science, National Tsing Hua University (NTHU-CS), Hsinchu, Taiwan, R.O.C., invites applications for several faculty positions beginning in August 2016 at all ranks in all areas of computer science. Applicants should have a Ph.D. in computer science, computer engineering, electrical engineering or a related field.

The NTHU-CS department currently has 45 faculty members and an enrollment of 560 graduate and 560 undergraduate students. The university is located near the Hsinchu Science-Based Industrial Park, which drives Taiwan's high-tech industries. The department enjoys strong support from many companies in the Industrial

Park for research and training. For more details, please visit <http://www.cs.nthu.edu.tw>. Candidates please send applications or questions via email to [recruit@cs.nthu.edu.tw](mailto:recruit@cs.nthu.edu.tw)

## The Navy Center for Applied Research in Artificial Intelligence

*Postdoctoral Candidates*

The Navy Center for Applied Research in Artificial Intelligence is seeking postdoctoral candidates for a position based in Washington, DC.

The research program associated with this opportunity endeavors to develop a novel cognitive architecture that uses an attentional mechanism to control perception, inference, and action within the world. Potential projects include but are not limited to (1) building incremental models of multimodal perception including visual and audio input, (2) developing attentional strategies for controlling inference across multiple tasks, (3) exploring methods for learning and recalling attentional strategies for those tasks, and (4) embodying the architecture within robotic platforms. Successful applicants will be expected to read, synthesize, and develop programs based on literature from multiple scientific disciplines, including artificial intelligence, cognitive science, neuroscience, psychology, and philosophy. Applicants must have programming experience, preferably in Java and one or more functional languages. An understanding of parallel and distributed systems is a plus.

This position requires a PhD.

Information associated with this opportunity (number 64.15.18.B8141) is available through the Research Associateship Programs fellowships office for the National Academies of Science, Engineering, and Medicine.

<http://sites.nationalacademies.org/pga/rap/>

Applications are due February 1, 2016 and/or May 1, 2016. Start dates are negotiable.

Interested parties should contact Will Bridewell ([will.bridewell@nrl.navy.mil](mailto:will.bridewell@nrl.navy.mil)) for details on the position and the application process.

## NEC Laboratories America

*Researcher – Big Data Analytics*

**NEC Laboratories America** (<http://www.nec-labs.com/>) conducts research in support of NEC's US and global business. Our lab has a broad research program that covers many areas and maintains a balance of fundamental and applied research.

The Autonomic Management group (<http://www.nec-labs.com/research-departments/autonomic-management/autonomic-management-home>) performs research on all aspects of data analytics and mining. We are creating innovative analytics from big data to simplify and automate the operation of complex physical systems (e.g., automobiles, power plants, smart city etc.), as well as large-scale IT systems and services. We have several ongoing big data analytics projects including massive time series modeling, heterogeneous log analysis, and large scale graph mining etc.. Our group brings together experts in machine learning, data mining, statistics, signal processing, pattern recognition and big data processing systems. We build technologies to solve real world problems and grow NEC's business. Our research leads to both award-winning NEC products/solutions and numerous publications in top conferences.

Our group is looking for multiple researchers to work in the area of data analytics and mining. The ideal candidates must have expertise in data mining and statistical learning, and can develop algorithms to analyze massive amount of data to build innovative analytics applications. He/she must have a PhD in CS/CE with a strong

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publication record in at least one of the following areas:

- Data mining and statistical learning
- Time series analysis and prediction
- Text mining and information retrieval
- Graph and information network mining
- Large scale optimization and learning
- Signal processing and information theory

NEC Laboratories America is located in Princeton, NJ, home of the Princeton University and one of New Jersey's most beautiful and idyllic towns. The area offers many exciting cultural, entertainment and outdoor activities. The office is minutes away from Princeton University and an hour from New York, Philadelphia, and the Atlantic Ocean. For more information about NEC labs, access <http://www.nec-labs.com/>, and submit your CV and research statement through our career center at [https://www.appone.com/MainInfoReq.asp?R\\_ID=1159570](https://www.appone.com/MainInfoReq.asp?R_ID=1159570).

EOE-M/F/Vets/Disabled

## New Jersey Institute of Technology

*Department of Computer Science*

*Two Assistant Professor Positions*

We invite applications for two Assistant Professor tenure track positions starting Fall 2016. The areas of special interest include: **(1) Network and Systems Security**, **(2) Algorithms/Data Analytics**, **(3) Virtual Reality/Computer Graphics/Augmented Reality**. Exceptional candidates at the Associate Professor level or working in other areas will be considered.

Applicants must have a Ph.D. by summer 2016 in a relevant discipline with outstanding academic credentials that demonstrate their ability to conduct independent and successful world-class research, and a commitment to both undergraduate and graduate education. The successful candidate will contribute to and enhance

existing research and educational programs that relate to cyber security, big data, theory, or computer graphics. The ability to attract external funding is critical.

The department includes 27 tenured/tenure track professors and is rapidly expanding, supported by the university's "2020 Vision" strategic plan. Sources of research funding include DARPA, NSF, NIH, DHS, DOE, ARL, and ONR to name a few. Located in Northern New Jersey, within the greater New York Metropolitan area, NJIT is part of a vibrant ecosystem of research universities and corporate research centers.

*NJIT is committed to building a diverse faculty and strongly encourages applications from women candidates.*

### To apply:

**1.** Go to [njit.jobs](http://njit.jobs), click on Search Postings and then enter the following posting numbers: **0603026** for the *Network and Systems Security position*, and **0603022** for the *Algorithms/Data Analytics or Virtual Reality/Computer Graphics/Augmented Reality position*.

**2.** Create your application, and upload your cover letter, CV, Research Statement/Teaching Statement on that site. The CV must include at least three names along with contact information for references.

The applications will be evaluated as they are received and accepted until the positions are filled. Contact [cs-faculty-search@njit.edu](mailto:cs-faculty-search@njit.edu) with any questions.

*To build a diverse workforce, NJIT encourages applications from individuals with disabilities, minorities, veterans and women. EEO employer.*

## New York Institute of Technology

*Assistant Prof. of Computer Science RA # 2231 Data Visualization*

New York Institute of Technology (NYIT) School of Engineering and Computing Sciences seeks an Assistant Professor in Computer Science, more specifically in Data Visualization (full-time, tenure-track; Old Westbury Campus).

Candidates must have a Ph.D. degree in Computer Science, or related area, excellent communication skills, and a solid publication record. Candidates must demonstrate an innovative research record and/or industrial experience, and potential for securing sponsored research, contracts and external grants. Successful candidates will share our vision to grow the School of Engineering and Computing Sciences into a leader in applied research and a premier source of student talent in the New York Metropolitan Area and globally.

For consideration, e-mail your curriculum vitae, cover letter, a representative publication, and research and teaching statements to mailto: [Jobs.SOECS.RA2231@nyit.edu](mailto:Jobs.SOECS.RA2231@nyit.edu). Please reference job code **RA #2231** in your subject line.

NYIT is an AA/EEO institution.

## New York Institute of Technology

*Assistant Prof. of Computer Science RA # 2232 Data Analytics*

New York Institute of Technology (NYIT) School of Engineering and Computing Sciences seeks an Assistant Professor in Computer Science, more specifically in Data Analytics (full-time, tenure-track; Manhattan Campus).

Candidates must have a Ph.D. degree in Computer Science, or related area, excellent communication skills, and a solid publication

# Professional Opportunities

record. Candidates must demonstrate an innovative research record and/or industrial experience, and potential for securing sponsored research, contracts and external grants. Successful candidates will share our vision to grow the School of Engineering and Computing Sciences into a leader in applied research and a premier source of student talent in the New York Metropolitan Area and globally.

For consideration, e-mail your curriculum vitae, cover letter, a representative publication, and research and teaching statements to [Jobs.SOECS.RA2232@nyit.edu](mailto:Jobs.SOECS.RA2232@nyit.edu). Please reference job code **RA #2232** in your subject line.

NYIT is an AA/EEO institution.

## New York Institute of Technology

*Prof. of Electrical & Computer Engineering RA # 2235 MEMS*

New York Institute of Technology (NYIT) School of Engineering and Computing Sciences seeks an Assistant Professor in Electrical and Computer Engineering (full-time, tenure-track; Old Westbury campus). Areas of research include Embedded and Control Systems for MEMs, microchips, microsensors applications.

Candidates must have a Ph.D. degree in Electrical and Computer Engineering or related area, excellent communication skills, and a solid publication record. Commitment to teaching and research at the undergraduate and graduate levels is required. Candidates must demonstrate an innovative research record and/or industrial experience, and potential for securing sponsored research, contracts and external grants. Successful candidates will share our vision to grow the School of Engineering and Computing Sciences into a leader in applied research and a premier source of student talent in the New York Metropolitan Area and globally.

For consideration, e-mail your curriculum vitae, cover letter, and research and teaching statements to [Jobs.SOECS.RA2235@nyit.edu](mailto:Jobs.SOECS.RA2235@nyit.edu).

Please reference job code **RA # 2235** in your subject line.

NYIT is an AA/EEO institution.

## New York Institute of Technology

*Assistant Prof. of Electrical & Computer Engineering RA # 2236 Bioengineering*

New York Institute of Technology (NYIT) School of Engineering and Computing Sciences seeks an Assistant Professor in Electrical and Computer Engineering (full-time, tenure-track; Manhattan campus). Areas of research include wearable and implementable Medical Devices

Candidates must have a Ph.D. degree in Electrical and Computer Engineering, Biomedical Engineering or related area, excellent communication skills, and a solid publication record. Commitment to teaching and research at the undergraduate and graduate levels is required. Candidates must demonstrate an innovative research record and/or industrial experience, and potential for securing sponsored research, contracts and external grants. Successful candidates will share our vision to grow the School of Engineering and Computing Sciences into a leader in applied research and a premier source of student talent in the New York Metropolitan Area and globally.

For consideration, e-mail your curriculum vitae, cover letter, and research and teaching statements to [Jobs.SOECS.RA2236@nyit.edu](mailto:Jobs.SOECS.RA2236@nyit.edu). Please reference job code **RA # 2236** in your subject line.

NYIT is an AA/EEO institution.

## North Carolina State University

*Cluster Hire in Visual Narrative (Assistant/Associate/Full professor)*

As part of the Chancellor's Faculty Excellence Program, the Department of Computer Science at North Carolina State University (NCSU) seeks to fill an open-rank tenure track faculty position to provide key leadership in computer games research. We seek innovative and transformative academic leaders whose scholarship will advance NC State's position as one of the premier universities of its kind. The successful candidate will build on a nationally leading, campus-wide strength in games research and will establish a vigorous research and teaching program in the science of computer games, emphasizing applications relevant to the generation or analysis of game play supporting the broad context of narrative and its visual presentation. The successful senior candidate is expected to be recognized as a pioneering leader in the development of new approaches to game-related technologies within the broad framework of visual narrative. The successful junior candidate will demonstrate strong potential for such leadership.

The Visual Narrative cluster aims to push the shared frontiers of engineering and humanistic research to set a new agenda for advanced multimodal scholarship, opening research pathways in image analytics, historical visualization, immersive experience, and computer games. Collectively, the cluster merges its research into new critical narratives about visibility and its digital transformations. It aims to broadly impact our notions of media through its interdisciplinary work and to prepare innovative applications of visual narrative for the emerging challenges of research and human communication in our mediated world. Additional information about the Visual Narrative Initiative at NC State can be found at <http://visualnarrative.ncsu.edu>.

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Minimum requirements include a Ph.D. in computer science, or other relevant field from an accredited institution. The candidates should have a strong capacity to teach at both the undergraduate and graduate levels, including the capacity to mentor doctoral students and postdoctoral fellows. Priority will be given to candidates that have demonstrated interdisciplinary collaborations that cut across academic units. Inclusiveness and diversity are academic imperatives and thus university goals. The University is particularly interested in candidates with experience in working with students from diverse backgrounds and who have a demonstrated commitment to improving access to higher education for students from underrepresented groups.

Applicants should submit the following materials online at <https://jobs.ncsu.edu/postings/59804> (reference position number 00105191): cover letter, curriculum vitae, research statement, teaching statement, a one-page statement describing your approaches to interdisciplinary work and to collaboration across disciplinary boundaries, and names and complete contact information of four references, including email addresses and phone numbers. A comprehensive review of applications will begin immediately and continue until the position is filled. The target start date is August 2016; however, a mutually beneficial time may be negotiated. Questions about the position may be directed to [visualnarrative@ncsu.edu](mailto:visualnarrative@ncsu.edu).

The Chancellor's Faculty Excellence Program is bringing some of the best and brightest minds to join NC State University's interdisciplinary efforts to solve some of the globe's most significant problems. Guided by a strong strategic plan and an aggressive vision, the cluster-hiring program is adding new faculty members in select fields to add more breadth and depth to NC State's already-strong efforts. The Chancellor's Faculty Excellence Program marks a major initiative of the university's

strategic plan, "The Pathway to the Future." NC State will soon complete its first cohort of twelve clusters with 41 hires to date. This success led to a commitment to establish eight new clusters consisting of 33 additional interdisciplinary faculty hires. We invite you to explore more information about the Chancellor's Faculty Excellence Program and this cluster at <http://ncsu.edu/workthatmatters>.

The NCSU Computer Science Department is one of the largest and oldest in the country. It is part of NCSU's College of Engineering, which has recently received significant increases in private and public funding, faculty positions, and facilities that will assist the Department in achieving its goals. The department's research expenditures and recognition are growing steadily. For example, we have one of the largest concentrations in the country of prestigious NSF Early Career Award winners (total of 23). The department's undergraduate concentration in game development has been ranked by Princeton Review as the 5th strongest public game development program in North America in 2013. Founded in 1887, North Carolina State University is a land-grant institution distinguished by its exceptional quality of research, teaching, extension, and public service. Located in Raleigh, North Carolina, NC State is the largest university in the state, with more than 34,000 students and 8,000 faculty and staff. National rankings consistently rate Raleigh and its surrounding region among the five best places in the country to live and work, with a highly educated workforce, moderate weather, reasonable cost of living, and a welcoming environment. A collaborative, supportive environment for business and innovation and research collaborations with area universities and the Research Triangle Park are compelling reasons for relocation to the area. Our faculty regularly engage in teaching and research activities with the vibrant North Carolina

games industry, including over 40 games companies ranging from industry leaders like Electronic Arts, Epic Games and Ubisoft to serious games studios like Lockheed Martin's Virtual Worlds Lab and Virtual Heroes, Inc.

*NC State University is an equal opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, national origin, religion, sex, gender identity, age, sexual orientation, genetic information, status as an individual with a disability, or status as a protected veteran. Persons with disabilities requiring accommodations in the application process please call (919) 515-3148.*

## North Carolina State University

### Department of Computer Science

#### Faculty Position in Games

The Department of Computer Science at North Carolina State University (NCSU) seeks to fill a tenure/tenure track faculty position in computer games starting August 16, 2016. The Department is seeking a faculty member with a Ph.D. in Computer Science or closely related field who will establish a vigorous research and teaching program in computer games. Applicants at all levels (assistant, associate, and full professor) and in all areas of computational games research are encouraged to apply.

The selected candidate will join a large group of computer science colleagues actively pursuing research efforts in games, with recognized efforts in computational narrative, game-based learning, game analytics, games user experience research, and games in CS education, among others. Our faculty collaborate with games scholars from across the university in both teaching and funded research efforts, including games studies faculty, cognitive psychologists, digital humanists, artists, designers and educational theorists. We regularly engage



# Professional Opportunities

in teaching and research activities with the vibrant North Carolina games industry, including over 40 games companies ranging from industry leaders like Electronic Arts, Epic Games, and Ubisoft to serious games studios like Lockheed Martin's Virtual Worlds Lab and Virtual Heroes, Inc. The department's undergraduate concentration in game development has been ranked by Princeton Review as the 4th strongest public university game development program in North America in 2014.

The NCSU Computer Science Department is one of the largest and oldest in the country. It is part of NCSU's College of Engineering, which has recently received significant increases in private and public funding, faculty positions, and facilities that will assist the Department in achieving its goals. The department's research expenditures and recognition are growing steadily. For example, we have one of the largest concentrations in the country of prestigious NSF Early Career Award winners (a total of 24). Founded in 1887, North Carolina State University is a land-grant institution distinguished by its exceptional quality of research, teaching, extension, and public service. Located in Raleigh, North Carolina, NC State is the largest university in the state, with more than 34,000 students and 8,000 faculty and staff. National rankings consistently rate Raleigh and its surrounding region among the five best places in the country to live and work, with a highly educated workforce, moderate weather, reasonable cost of living, and a welcoming environment. A collaborative, supportive environment for business and innovation and research collaborations with area universities and the Research Triangle Park are compelling reasons for relocation to the area.

Applications will be reviewed as they are received. The position will remain open until suitable candidates are identified. Applicants should submit the following materials online at <http://jobs.ncsu.edu> (reference position

number 00001075): cover letter, curriculum vitae, research statement, teaching statement, and names and complete contact information of four references, including email addresses and phone numbers. Candidates can obtain information about the position at <http://jobs.ncsu.edu/postings/46246>. Additional information about the Department of Computer Science and its research programs may be found at <http://www.csc.ncsu.edu/>. Inquiries should be sent to [games@csc.ncsu.edu](mailto:games@csc.ncsu.edu)

NCSU is an equal opportunity and affirmative action employer. In addition, NCSU welcomes all persons without regard to sexual orientation or genetic information. Individuals with disabilities requiring disability-related accommodations in the application and interview process please call (919) 515-3148.

## North Carolina State University

### *Department of Computer Science Security Faculty Positions*

The Department of Computer Science at North Carolina State University (NCSU) seeks to fill tenure-track faculty positions in the area of Security starting August 16, 2016.

Successful security candidates must have a strong commitment to academic and research excellence, and an outstanding research record commensurate with the expectations of a major research university. Required credentials include a doctorate in Computer Science or a related field. While the department expects to hire at the Assistant Professor level, candidates with exceptional research records are encouraged to apply for a senior position. The department is one of the largest and oldest in the country. It is part of a top US College of Engineering, and has excellent and extensive ties with industry and government laboratories. The department's research expenditures and recognition have been growing steadily as has the recognition

of our impact in the areas of security, systems, software engineering, educational informatics, networking, and games. For example, we have one of the largest concentrations of NSF Early Career Award winners (25 of our current or former faculty have received one).

NCSU is located in Raleigh, the capital of North Carolina, which forms one vertex of the world-famous Research Triangle Park (RTP). RTP is an innovative environment, both as a metropolitan area with one of the most diverse industrial bases in the world, and as a center of excellence promoting technology and science. The Research Triangle area is routinely recognized in nationwide surveys as one of the best places to live in the U.S. We enjoy outstanding public schools, affordable housing, and great weather, all in the proximity to the mountains and the seashore.

Applications will be reviewed as they are received. The positions will remain open until suitable candidates are identified. Applicants are encouraged to apply by December 15, 2015. Applicants should submit the following materials online at <http://jobs.ncsu.edu> (reference position number 00001096) cover letter, curriculum vitae, research statement, teaching statement and names and complete contact information of four references, including email addresses and phone numbers. Candidates can obtain information about the department and its research programs, as well as more detail about the position advertised here at <http://www.csc.ncsu.edu/>. Inquiries may be sent via email to [security-search@csc.ncsu.edu](mailto:security-search@csc.ncsu.edu).

NCSU is an equal opportunity and affirmative action employer. In addition, NCSU welcomes all persons without regard to sexual orientation or genetic information. Individuals with disabilities requiring disability-related accommodations in the application and interview process please call (919) 515-3148.



# Professional Opportunities

## Northeastern University

*Assistant/Associate/Full Professor*

### Position Summary

The College of Computer and Information Science invites applications for at least five tenure-track faculty positions, beginning in Fall 2016. Applicants at all ranks will be considered.

Candidates will be considered from all areas in Computer and Information Science. Candidates are expected to have or to develop an independently funded research program of international caliber and to participate in undergraduate and graduate teaching.

### Qualifications

A PhD in Computer Science, Information Science or a related field is required by the start date.

### Additional Information

The College has a strong research program with significant funding from major federal research agencies and private industry and was instrumental in Northeastern being recognized by NSA/DHS as a center of excellence for research and education in Information Assurance.

The College has a diverse full-time faculty of 51, and offers a broad array of educational opportunities to students. Since 2010, the College has hired 33 outstanding faculty members, and plans to continue this strategic growth in the coming years. In addition to Bachelor's, Master's, and PhD programs in the computing discipline, the College offers several innovative undergraduate and graduate degree programs that combine computing with an important application domain. Fifteen faculty members have joint appointments with other academic departments, including Electrical and Computer Engineering, Art and Design, Health Sciences, Physics, Political Science and Business. A particular focus in the next three years is to grow the faculty, research and PhD program.

Northeastern University is home to 33,000 full- and part-time degree students and to the nation's premier cooperative education program. The past decade has witnessed a dramatic increase in Northeastern's international reputation for research and innovative educational programs. A heightened focus on interdisciplinary research and scholarship is driving a faculty hiring initiative at Northeastern, advancing its position amongst the nation's top research universities. The College has been a major participant in this initiative and will continue the efforts this year, with additional interdisciplinary searches ongoing in related areas. For more information about the College, please visit <http://www.ccs.neu.edu>.

Northeastern University is located on the Avenue of the Arts in Boston's historic Back Bay. The College occupies a state of the art building opposite Boston's Museum of Fine Arts.

Additional information and instructions for submitting application materials may be found at the following web site: <https://neu.peopleadmin.com/postings/search>.

Screening of applications begins immediately. For full consideration, application materials should be received by December 1, 2015. However, applications will be accepted until the search is completed.

Northeastern University is an Equal Opportunity, Affirmative Action Educational Institution and Employer, Title IX University. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by the law. Northeastern University is an E-Verify Employer.

## NYU Shanghai

*Faculty Position*

*Computer Science*

NYU Shanghai is currently inviting applications for one position, preferably but not exclusively at the Assistant Professor level, for outstanding candidates having demonstrated abilities in both research and teaching. We will consider applicants in all areas of computer science, including (but not limited to) theory, systems, machine learning, urban informatics and medical informatics. Candidates should be exceptionally strong researchers and educators, with a Ph.D. in Computer Science or a closely related field, and publications in the top venues of the sub-field.

Candidates must have completed a Ph.D. or equivalent by the time of appointment. The search will remain open until the position is filled, but review of applications will begin February 1, 2016. The appointment could begin as soon as September 1, 2016, pending administrative and budgetary approval, or could be delayed until September 1, 2017. The terms of employment in NYU Shanghai are comparable to U.S. institutions in terms of research start-up funds and compensation, and include housing subsidies and educational subsidies for children. Faculty may also spend time at NYU New York and other sites of the global network, engaging in both research and teaching opportunities.

Applicants must submit a curriculum vitae, a statement of research and teaching interests, electronic copies of up to five recent relevant publications, and the names and addresses of three or more individuals willing to provide letters of reference. Please visit our website at <http://shanghai.nyu.edu/en/about/work-here/open-positions-faculty> for instructions and other information on how to apply. If you have any questions, please e-mail [shanghai.engineering.recruitment@nyu.edu](mailto:shanghai.engineering.recruitment@nyu.edu).

# Professional Opportunities



**Olin College**  
of Engineering

➔ *faculty search*

## At Olin

**We define engineering broadly**, from understanding people and their needs, to designing solutions and delivering new technologies and services to people and society.

## **We're solving hard problems**

**Realizing positive change in the world requires thinking big and taking risks.** Our faculty are fueled by the belief that the future of education lies in transcending disciplinary boundaries. Do you imagine ways students might better integrate engineering, science, mathematics, business, humanities, and social sciences, as they study complex technical systems and societal issues? We do. There are no departments at Olin; you will work with students, staff, and faculty from all disciplines to realize learning opportunities for all.

## **Across disciplinary boundaries**

**We are excited about co-teaching in an experiential, interdisciplinary, student-centric learning environment.** We enjoy fun, creative acts, and questioning the status quo. We appreciate, follow, debate, and contribute to educational theory as much as engineering practice. And we stretch ourselves to work and teach outside our comfort zones.

➔ **We are seeking enthusiastic applicants for part- or full-time faculty positions at any rank. If you hold an upper-level degree or have substantial experience relevant to Olin's mission, are interested in developing engineering innovators, and want to drive change in engineering education, we'd love to hear from you.**

➔ For more information, please see: [\*\*\*www.olin.edu/search\*\*\*](http://www.olin.edu/search)

Olin College is an Equal Opportunity Employer, and specifically invites and encourages applications from underrepresented groups

# Professional Opportunities

## *About NYU Shanghai:*

NYU Shanghai is the newest degree-granting campus within the NYU Global Network University. It is the first Sino-US higher education joint venture to grant a degree that is accredited in the U.S. as well as in China. All teaching is conducted in English. A research university with liberal arts and science at its core, it resides in one of the world's great cities with a vibrant

intellectual community. NYU Shanghai recruits scholars who are committed to NYU's global vision of transformative teaching and innovative research.

New York University has established itself as a Global Network University, a multi-site, organically connected network encompassing key global cities and idea capitals. There are three degree-granting campuses in New York, Shanghai, and Abu Dhabi, and complemented

by eleven additional academic centers across five continents. Faculty and students circulate within the network in pursuit of common research interests and cross-cultural, interdisciplinary endeavors, both local and global.

EOE/Minorities/Females/Vet/Disabled

## **Oberlin College**

### *Full-Time, Tenure-Track Faculty Position*

The Department of Computer Science at Oberlin College invites applications for a full-time, tenure-track faculty position starting in the Fall of 2016 with a specialization in Computer Systems (Compilers, Operating Systems, Networks, Databases, or a related field).

To be assured of consideration, submit a letter of application, a curriculum vitae, teaching and research information, graduate academic transcripts, and at least three recent letters of reference to: <http://jobs.oberlin.edu/postings/1175> by November 13, 2015.

## **Oregon State University**

### *Postdoc: Theory and Algorithms for Anomaly Detection*

Tom Dietterich and Alan Fern seek a postdoc for fundamental research on anomaly detection. We are exploring several techniques: robust density estimation, isolation, and distance-based. Our goal is to develop a learning theory of anomaly detection and practical algorithms that embody that theory.

We are applying anomaly detection algorithms to three challenging problems:

- Automated data cleaning for the TAHMO project ([www.tahmo.org](http://www.tahmo.org)), which is deploying a large network of weather stations across sub-Saharan Africa.

## **Oregon State UNIVERSITY** | **College of Engineering**

### **Tenure-Track Faculty Positions in Robotics**

The Oregon State University Robotics program seeks applications for full-time faculty positions to support our M.S. and Ph.D. programs in Robotics (<http://robotics.oregonstate.edu>). All areas of robotics will be considered. Appointments are anticipated at the Assistant Professor rank, but exceptionally strong candidates may be considered at the rank of Associate Professor or Professor. The successful candidates will have office and laboratory space physically located with the existing Robotics group, and will have an administrative home most appropriate to their area of expertise within the College of Engineering. As a Land/Sea/Air/Space grant institution, with strong ties to oceanography and the NOAA fleet, as well as hosting an FAA UAV test site, there are many opportunities to collaborate across disciplines and utilize Robotics as an enabling technology.

Candidates should hold a Ph.D. in degrees in robotics, mechanical engineering, electrical and computer engineering, computer science, or other robotics-related disciplines by the start of employment, and have a demonstrated record of scholarship. We particularly welcome candidates with a proven record of working with robots in real environments. Duties include teaching undergraduate and graduate courses, conducting research, securing research funding, and service. Candidates should show evidence of strong research promise, potential for developing an externally-funded research program, and commitment to quality advising and teaching at the graduate and undergraduate levels. Applicants who are women or underrepresented minorities are strongly encouraged to apply.

Oregon State University is located in Corvallis, a college town renowned for its high quality of life. For full consideration, apply online by Feb 15, 2016 with a letter of interest; vita; two-page statement of research interests; one-page statement of teaching interests; one-page statement of philosophy toward equity, inclusion and diversity; and names and contact information for at least three references.

More information, including a complete position description is available at <http://robotics.oregonstate.edu/jobs>.

# Professional Opportunities

- Improving the robustness of machine learning in open worlds.
- Cyber-security

Send your application to Tom Dietterich ([tgd@cs.orst.edu](mailto:tgd@cs.orst.edu)) consisting of (a) CV, (b) names and contact information for 3 references, (c) a statement of research goals, and (d) copies of two most relevant papers. Deadline: November 15, 2015. Funding is assured for at least two years.

Required qualifications: PhD in computer science or related field; strong mathematical background; skill in designing, executing, and interpreting experiments; skill with software engineering and statistical analysis; excellent spoken and written English. Preferred qualifications: Knowledge or prior experience relating to one or more of the application domains.

## Oxford University

*Department of Engineering Science  
Postdoctoral Research Assistant in  
Probabilistic Programming*

We are seeking three postdocs (DARPA Probabilistic Programming for Advanced Machine Learning) to join Dr Wood's University of Oxford machine learning research group. These posts are fixed-term until summer 2017.

For more information and to apply online:  
<http://goo.gl/BtoCEr>

## Oregon State UNIVERSITY | College of Engineering

### Tenure-Track Position in Data Science and Engineering

The School of Electrical Engineering and Computer Science at Oregon State University invites applications for one or more full time nine-month tenure-track faculty positions in the area of data science and engineering broadly construed. Subareas of interest include (but are not limited to) databases and data management, visualization and visual analytics, security, data mining, and signal processing for big data. The appointments are anticipated at the Assistant Professor rank, but exceptionally strong candidates may be considered at the rank of Associate Professor or Professor.

A Ph.D. in Computer Science, Electrical and Computer Engineering, or related field is required by the start of employment. Duties include teaching undergraduate and graduate courses, conducting research in the area of interest, securing research funding, and service. Candidates should show evidence of strong research promise, potential for developing an externally funded research program, and commitment to quality advising and teaching at the graduate and undergraduate levels. Applicants should demonstrate a strong commitment to collaboration with other research groups in the School of EECS, with other departments at Oregon State University, and outside the university. Applicants who are women or under-represented minorities are strongly encouraged to apply.

The school of EECS emphasizes a culture of collegiality and excellence in both research and education. With 56 tenured/tenure-track faculty, we enroll 200 PhD, 250 MS and 2,800 undergraduate students. Oregon State University is located in Corvallis, a college town renowned for its high quality of life. For full consideration, apply online by Feb 15, 2016 with a letter of interest; vita; two-page statement of research interests; one-page statement of teaching interests; one-page statement of philosophy toward equity, inclusion and diversity; and names and contact information for at least three references. For more information, visit [eecs.oregonstate.edu/jobs](http://eecs.oregonstate.edu/jobs).

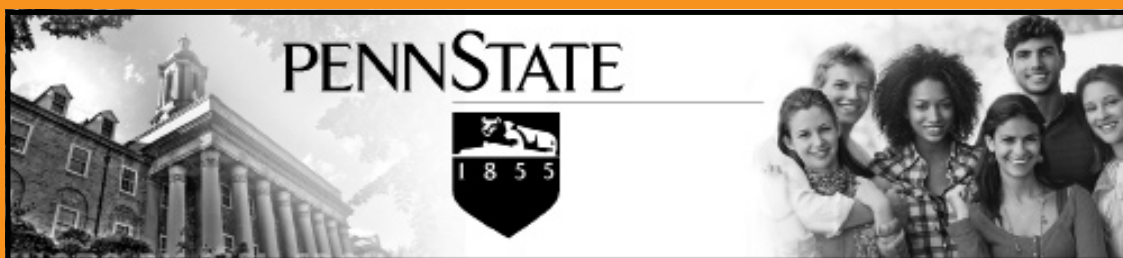
## Peking University

*Tenure-Track Positions*

The School of EECS at Peking University invites applications for tenure-track positions in the areas of energy efficient computing (including but not limited to energy-efficient architectures, communication, compilation, and system software) and applications (such as smart grid, mobile computing, sensor networks, and hardware acceleration of computing-intensive applications). These positions are associated with the Center for Energy-Efficient Computing and Applications (<http://ceca.pku.edu.cn>), which offers a new level of startup and compensation packages. Applications from distinguished candidates at senior levels are also encouraged.

To apply, please email the resume, statements of research and teaching, and at least three names for references to [ceca\\_recruiting@pku.edu.cn](mailto:ceca_recruiting@pku.edu.cn). Applications received by January 15, 2016 will be given full consideration. Early submissions are highly encouraged (the first of set of interviews will be in December 2015).

# Professional Opportunities



## **Assistant or Associate Professor, Data Sciences or Assistant Professor of Security and Privacy**

The College of Information Sciences and Technology (IST) The Pennsylvania State University invites applications for multiple tenure track faculty positions.

We seek outstanding candidates in the area of Security and Privacy at the rank of Assistant Professor. Individuals with a high quality research and publication record, which enhance and complement our existing research strengths, are encouraged to apply. Individuals studying security and privacy issues from the socio-technical, behavioral (including cognition and human centered design), and societal perspectives are strongly encouraged to apply. We welcome applications with a variety of disciplinary backgrounds including but not limited to Social Sciences, Computer and Information Sciences, Management of Information Systems, Communication, Design and Organizational Sciences. The successful candidate will be expected to develop an internationally competitive, externally funded research program, and contribute to graduate and undergraduate education and training in Security and Privacy.

We also seek outstanding candidates in the area of Data Sciences at the rank of Assistant or Associate Professor as part of a multi-year hiring initiative with the Institute for CyberScience (ICS) in the Data Sciences. This year's focus is on Data Science for Precision Health (broadly conceived). We are especially interested in candidates with expertise in Scalable Data Analytics, Predictive and Causal Modeling, Information Integration, Longitudinal Data Analysis, Network Modeling and Analysis with a demonstrated track record of research contributions in both novel methods and precision health applications to complement the current research strengths within the college in Informatics, Machine Learning, Data Mining, Network Science, Information Retrieval, Data Privacy and Security, and across the university in Bioinformatics, Translational Genomics, Brain Imaging, Electronic Health Records Analytics, Biobehavioral Health, and Prevention Research. We welcome applications from candidates with a variety of disciplinary backgrounds including Computer and Information Sciences, Statistics, Biomedical and Health Informatics. Successful candidates will be expected to develop a strong externally funded research program and contribute to graduate and undergraduate education and training in the Data Sciences.

IST offers a highly collaborative interdisciplinary research environment, strong research programs in Artificial Intelligence and Cognitive Systems, Data Sciences, Informatics, Human Centered Design, Information Security and Privacy, and Socio-Technical Systems, a strong Ph.D. program (with over 100 Ph.D. students), and several highly successful undergraduate programs. IST faculty and students enjoy extensive opportunities for interdisciplinary collaborations with colleagues from a wide range of disciplines as well as a number of university-wide cross-cutting centers and institutes (e.g., The Center for Big Data Analytics and Discovery Informatics, the Institute for Cyberscience, The Huck Institutes of the Life Sciences, the Social Science Research Institute). Additional collaborative opportunities are afforded by the NIH-funded Clinical and Translational Sciences Institute, several NSF- and NIH-funded Interdisciplinary Graduate Training Programs.

The Pennsylvania State University is the land grant institution of Pennsylvania. In the 2013 institutional rankings of total research expenditures in science and engineering released by the National Science Foundation, the university, placed 17th overall nationally, and was tied with the Massachusetts Institute of Technology, for the 2nd position, with respect to the number of disciplines in which it is ranked among the top ten. University Park is the largest of Penn State's 24 campuses, with an undergraduate enrollment of approximately 42,000 students and offering more than 150 programs of graduate study. University Park is located in Central Pennsylvania, adjacent to the municipality of State College. The community offers a vibrant culture, highly rated schools, and an excellent quality of life.

Review of applications will begin on January 5, 2016, and continue until the position is filled. Enquiries about the position may be directed to [recruit@ist.psu.edu](mailto:recruit@ist.psu.edu).

Apply to job 60544 at <http://apptrkr.com/706010>

**CAMPUS SECURITY CRIME STATISTICS:** For more about safety at Penn State, and to review the Annual Security Report which contains information about crime statistics and other safety and security matters, please go to <http://www.police.psu.edu/clery/>, which will also provide you with detail on how to request a hard copy of the Annual Security Report.

Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.



# Professional Opportunities

## Portland State University

*Maseeh College of Engineering &  
Computer Science*

*Assistant Professor of Computer Science*

The Computer Science Department at Portland State University (PSU) invites applications for multiple junior tenure-track faculty positions to begin Fall 2016. Exceptional applicants at other ranks will also be considered.

Specific areas of computer science under consideration are: artificial intelligence; machine learning; data mining; data-intensive

systems; secure and trustworthy cyberspace, and networks and systems of connected things.

The department currently has twenty-four tenure-track faculty members, including four NSF CAREER Award winners and two ACM Fellows. The department offers an ABET-accredited B.S., both a thesis and a non-thesis M.S., and a Ph.D. in Computer Science. The department currently serves approximately 800 undergraduates and 130 graduate students. Our teaching loads give faculty time to maintain funded research

programs. Further information about the department is available at <http://www.pdx.edu/computer-science/>.

PSU is the largest university in Oregon and is known nationally for its community engagement and sustainability initiatives. Its campus in downtown Portland is well served by public transit and offers proximity to world-class restaurants, cultural venues and outdoor activities. PSU's urban setting provides a living laboratory for research and easy access to collaborations in industry, academia and government.

## Methodology Faculty Position on Big Data - Human Development & Family Studies Pennsylvania State University

The Department of Human Development and Family Studies (HDFS; [www.hhdev.psu.edu/HDFS](http://www.hhdev.psu.edu/HDFS)) in the College of Health and Human Development invites applications for an open rank tenure-track or tenured faculty member whose research focuses on intensive statistical modeling techniques applied to large data sets, particularly innovative dynamic data analysis approaches involving intensive repeated observations across multiple systems (e.g., behavior, physiology) and multiple time scales of observation.

This search is part of a Penn State Cyberscience Initiative in computation and data-enabled science and engineering. As part of this initiative, we are seeking outstanding faculty who can work across disciplines and in a team to advance methodologies including algorithms, data and software to exploit "Big Data" and "Big Simulations" for scientific studies. Some examples of relevant focus areas include: (1) Large-scale simulation studies of parametric dynamic systems modeling techniques and other statistical modeling approaches such as complex multilevel and mixture structural equation modeling. (2) Use of simulation techniques (and empirical data) to articulate models of human behavioral change and development (akin to computational systems biology). (3) Analysis and modeling of massive social-media and sensor data about human developmental and change processes by means of recursive estimation techniques. (4) The application of Bayesian statistical modeling procedures to sequentially update information derivable from continuous data streams. (5) Use of interactive systems to change behavior and development (e.g., "gamification" of everyday processes in developing intervention paradigms). (6) The analysis of neuro-cognitive data, in particular fMRI data linking the voxel level to the level of brain regions of interest (ROI). (7) Analysis of archival qualitative data (e.g., text analysis of interviews, analyses of videotaped behavioral interactions). Applicants should demonstrate a clear program of research, strong publication record, and the potential to obtain external funding. Responsibilities include teaching undergraduate and graduate level courses as well as directing theses/dissertations. An earned doctorate in the behavioral or social sciences and the promise of outstanding scholarly accomplishments are required.

Rated by the U.S. News and World Report as one of the top developmental science programs in the country, the Department of Human Development and Family Studies administers graduate, undergraduate, and research programs focused on individual development from infancy to old age, on family structure and dynamics, and on the impact of social/cultural contexts on development and family functioning. The Department's multidisciplinary faculty includes expertise in development across the life span, social-affective neuroscience, clinical and health psychology, prevention science, family process and intervention, demography, education, and methodology. A hallmark of the program's research and graduate training is its focus on development and application of innovative methods for the analysis of change over time. These activities are supported by two research groups: The Methodology Center (<http://methodology.psu.edu/>) and the Quantitative Development Group (<http://quantdev.ssri.psu.edu/>).

Candidates must complete an online application and upload a letter of application, statements of research and teaching interests, a CV, at least three letters of recommendation, and selected (p)reprints. To apply go to: <http://apptrkr.com/696981>

Review of applications and nominations will begin immediately and continue to be accepted until the position is filled. For more information, please contact Ms. Donna Bitner via email at [drb7@psu.edu](mailto:drb7@psu.edu) and indicate "Big Data Search – Job # 60402" in subject line of correspondence.

**CAMPUS SECURITY CRIME STATISTICS:** For more about safety at Penn State, and to review the Annual Security Report which contains information about crime statistics and other safety and security matters, please go to <http://www.police.psu.edu/clery/>, which will also provide you with detail on how to request a hard copy of the Annual Security Report.

Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.

# Professional Opportunities

(Current faculty collaborations include Intel, IBM, Oregon Health & Science University, Oregon Department of Transportation and a constellation of small to medium-sized startups.) Portland is the home of a burgeoning software industry, including Puppet Labs, Tripwire, Urban Airship and Webtrends.

## Qualifications

A Ph.D. in Computer Science or other relevant field is required, and must be awarded prior to September 1, 2016. All applicants are expected to show great potential for future external research support and a demonstrated record of research excellence.

## Job Specifications

The faculty member will maintain scholarly activity in funded research and publications; teach undergraduate and graduate classes; provide professionally related public service; advise students, and support University activities through committee service.

## To Apply

For more information and for instructions on how to apply, please visit <http://www.pdx.edu/computer-science/open-faculty-positions>. For inquiries about this position, please contact [cssearch@pdx.edu](mailto:cssearch@pdx.edu). Review of applications will begin immediately and will continue until the positions are filled.

*Portland State University is an Affirmative Action, Equal Opportunity Institution and welcomes applications from diverse candidates and candidates who support diversity.*

## Princeton University - Princeton, NJ, USA

Computer Science Department

Postdoctoral Research Associate

*Theoretical Computer Science, Theoretical Machine Learning*

The Department of Computer Science at Princeton University is seeking applications for postdoctoral or more senior research

positions in theoretical computer science and theoretical machine learning. Positions are for one year with the possibility of renewal. Candidates must have a PhD in Computer Science or a related field by August 2016. To ensure full consideration, we encourage candidates to complete their applications, (including letters of recommendation) by December 15, 2015. Applicants should submit a CV and research statement, and contact information for three references. Princeton University is an Equal Opportunity /Affirmative Action Employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law. These positions are subject to the University's background check policy.

Apply to: <http://jobs.princeton.edu/>

Requisition number: 1500926

## Purdue University, West Lafayette, Indiana

Krannert School of Management  
One Tenure-Track Appointment

The Krannert School of Management invites applicants for one tenure-track appointment at the assistant, associate, or full professor level as appropriate in the Quantitative Methods area beginning fall semester in 2016. Candidates for the position must have a doctorate in applied statistics, operations research, quantitative methods, management science, optimization, or a closely related field. We are particularly interested in candidates having scholarly interest in Business Analytics methodologies, such as Data Mining, Text Mining, Statistical Learning and Machine Learning. Successful applicants are expected to maintain an active program of research, to conduct research publishable in top-tier academic journals, to attract and supervise graduate

students, to teach courses in business statistics and/or management science at the undergraduate and graduate levels, and to actively participate in other school activities. We offer a competitive compensation package. A background check will be required for employment in the position.

Applications will be reviewed beginning November 30, 2015. Interested applicants should apply at: <https://webapps.krannert.purdue.edu/kars/Apply/WNkTGRlcve>

Applications should include a curriculum vitae, research and teaching statements, representative research output (2 or 3 papers), and evidence of teaching ability. Applicants should also submit three letters of reference. Inquiries can be directed to [QMRecruiting2@purdue.edu](mailto:QMRecruiting2@purdue.edu) or to Professor Jen Tang  
Krannert School of Management  
Purdue University  
403 W State St  
West Lafayette, Indiana, 47907

*Purdue University is an EOE/AA employer fully committed to achieving a diverse workforce. All individuals, including minorities, women, individuals with disabilities and protected veterans are encouraged to apply.*

## Queens College of CUNY, New York City

Computer Science Department  
Assistant Professor

Tenure-track position in Computer Science at the Assistant Professor level starting Fall 2016

<http://www.cs.qc.cuny.edu>

# Professional Opportunities

## Rice University, Houston, Texas

### Computer Science

#### Non-Tenure-Track Teaching Faculty Position

The Department of Computer Science at Rice University invites applications for a non-tenure track full-time teaching faculty position in the broad areas of software and algorithms. Responsibilities will include teaching freshman- and sophomore-level courses that use Python and Java, both on-campus and on-line, during the

academic year. Opportunities for summer employment are also available through course development and/or research efforts. The position will start in August 2016. Please submit a resume, a statement of teaching interests, and the names and addresses of at least three references through the Department's website, <http://csfacultyapplications.rice.edu>. The deadline for applications for this position is January 31, 2016. However, late applications for this position may still be considered at the

discretion of the faculty search committee for this position. Please specify clearly in your cover letter that you are applying for a non-tenure-track teaching position.

More information can be found on our web site, <http://www.cs.rice.edu> or by contacting the Computer Science Department Administrator, Karen Lavelle, at [klavelle@rice.edu](mailto:klavelle@rice.edu).

Rice University is an Equal Opportunity/Affirmative Action Employer.

## ROCHESTER INSTITUTE OF TECHNOLOGY

### Computing and Information Sciences Multiple Openings for Fall 2016

The B. Thomas Golisano College of Computing and Information Sciences at the Rochester Institute of Technology invites applications and nominations for the following faculty positions:

- Four full-time tenure-track/tenured positions to be part of a cluster hire in **cybersecurity** (two positions in **Computing Security**, one in **Computer Science**, and one in **Software Engineering**). Candidates will be considered at the assistant, associate, and full professor ranks (#2031BR).

RIT views cybersecurity as an interdisciplinary field that exists at the intersection of society and technology. RIT is making a major investment in cybersecurity, and the cluster hires will further strengthen the Institute's research competency and profiles in related disciplines. While successful candidates will be appointed to different departments, they will be expected to collaborate across departments and colleges, and bring discipline perspectives and contributions to cybersecurity from their home departments. They will be expected to play critical roles in advancing research and education in cybersecurity, and lead efforts in building a dedicated interdisciplinary research center on campus.

We are also seeking candidates for the following openings:

- Three tenure-track assistant professor positions in **Computer Science** (#2032BR and #2033BR [2])
- One tenure-track assistant professor position in **Computing Security** (#2022BR)
- One tenure-track assistant or associate professor position in **Software Engineering** (#2019BR)
- Two lecturer positions in **Software Engineering** (#2027BR and #2028BR)
- One visiting lecturer position in **Computer Science** (#1905BR)
- One postdoctoral researcher position in **Human Computer Interaction** in the **Information Sciences and Technologies** department (#1735BR)
- One postdoctoral researcher position in **Software Engineering** (#1976BR)

Candidates should visit <http://careers.rit.edu/faculty> and refer to the BR numbers listed above for specific information about the positions and the application process. Refer to [www.rit.edu](http://www.rit.edu) for information about RIT and the B. Thomas Golisano College of Computing and Information Sciences.

The B. Thomas Golisano College of Computing and Information Sciences is home to the departments of Computer Science, Software Engineering, Information Sciences and Technologies, and Computing Security, and the School of Interactive Games and Media, offering a variety of BS and MS degrees as well as the Ph.D. in Computing and Information Sciences. The college has 110 faculty and over 3000 undergraduate and 800 graduate students.

RIT does not discriminate. RIT is an equal opportunity employer that promotes and values diversity, pluralism, and inclusion. For more information or inquiries, please visit [RIT/TitleIX](http://RIT/TitleIX) or the U.S. Department of Education at [ED.Gov](http://ED.Gov)

# R · I · T

*-Selected as one of the top colleges to work for by The Chronicle of Higher Education*

# Professional Opportunities

## Rice University, Houston, Texas

### Computer Science

#### *Tenure-Track Assistant Professor Position*

The Department of Computer Science at Rice University invites applications for a tenure-track Assistant Professor who will enhance one of the department's established research areas of Computer Science, while also bringing an emphasis related to Data-Intensive Science. Exceptional candidates at the Associate and Full Professor levels will also be considered. A commitment to excellence in both research and teaching is required for a tenure-track appointment. Teaching loads are set low for tenure-track positions to accommodate time for research. The position will start in July 2016. Applicants must hold a Ph.D. degree or equivalent in computer science or a related discipline, or must complete the Ph.D. by November 1 of the year employment commences.

Please submit a resume, a research statement, a statement of teaching interests, and the names and addresses of at least three references through the Department's website, <http://csfacultyapplications.rice.edu>. The deadline for applications for this position is December 15, 2015. However, late applications for this position may still be considered at the discretion of the faculty search committee for this position. Please specify clearly in your cover letter that you are applying for a tenure-track faculty position. More information can be found on our web site, <http://www.cs.rice.edu> or by contacting the Computer Science Department Administrator, Karen Lavelle, at [klavelle@rice.edu](mailto:klavelle@rice.edu).

## Rutgers University

### *Faculty Position*

The Computer Science Department at Rutgers University invites applications for several tenure-track Assistant Professor positions focusing on Data Science and Systems. The

appointments will start September 2016. Instructions for applying can be found at: <http://www.cs.rutgers.edu/employment/>. Applications will be considered from Monday, February 8, 2016 until the positions are filled. Early submissions are encouraged.

Data Science deals with novel systems, methodologies and algorithms to address the processing and analysis of massive amounts of data generated through a multitude of sources and sensors. The focus at the algorithmic level is on NLP, machine learning, knowledge representation, distributed decision-making, visual analytics and large scale modeling/visualization. At the systems level the focus is on embedded and/or distributed systems, networking and storage systems. Ability to show impact in Data Science applications like smart cities, medicine and the social sciences is strongly encouraged.

Applicants should show evidence of exceptional research promise with potential for external funding, and commitment to quality advising and teaching. Hired candidates must complete their Ph.D. by August 31, 2016.

Applicants should submit electronically their CV, a research and a teaching statement along with three references. If you have further questions, please email Dimitris Metaxas, Hiring Chair, at [dnm@cs.rutgers.edu](mailto:dnm@cs.rutgers.edu)

Rutgers subscribes to academic diversity and encourages applications from individuals with varied experiences and backgrounds. Females, minorities, dual-career couples, and persons with disabilities are encouraged to apply. Rutgers is an affirmative action/equal opportunity employer.

## Saint Louis University, St. Louis, MO

### College of Arts and Sciences

#### *Multiple Faculty Positions*

Saint Louis University, a Catholic, Jesuit institution dedicated to student learning, research, health care, and service, is seeking applicants for two new faculty positions in Computer Science to support growth at both the bachelor's and master's levels.

The first position is a tenure-track Assistant Professor of Computer Science. Applicants must hold a Ph.D. in Computer Science or a closely related field and demonstrate strong potential for both research and teaching. Duties include building and maintaining an active research program with national prominence, teaching of both undergraduate and graduate courses, and the mentorship of undergraduate and graduate students. Applicants are particularly welcome who have primary interests in applied areas of computer science, such as systems, networking, and security.

The second position is a non-tenure-track position in Computer Science at the rank of Assistant Professor or Instructor, commensurate with experience, and with long-term opportunity for promotion to higher ranks. Applicants must hold a Master's in Computer Science or a closely related field to be considered for the rank of Instructor, and a Ph.D. in discipline for the rank of Assistant Professor. Successful applicants will demonstrate enthusiasm for undergraduate education and excellence in the classroom. All areas of specialty are welcome; interest in applied areas of computer science is preferred. Primary job responsibilities include teaching of undergraduate courses, mentorship of undergraduate students, and a contribution to the development of new curricula. Opportunity also exists for the teaching or supervision of master's students.

# Professional Opportunities

Candidates interested in either position must submit a cover letter and CV at <http://jobs.slu.edu> and must submit supporting materials at <http://cs.slu.edu/facultysearch>, including a statement of research interests, statement of teaching interests and experiences, and three or more letters of reference. Review of applications for the tenure-track position will begin on January 15, 2016, and for the non-tenure-track position on February 1, 2016. Both appointments are to begin in August 2016. For additional information, contact Dr. Michael Goldwasser.

Saint Louis University is an Affirmative Action/Equal Opportunity Employer (AA/EOE) and encourages nominations of and application from women and minorities.

## Salisbury University

*Assistant Professor in Computer Science  
(2 positions)*

The Department of Mathematics and Computer Science at Salisbury University invites applications for two tenure-track assistant professors of Computer Science.

### Primary Job Duties:

Teaching introductory computer courses as well as a broad range of upper level Computer Science courses. In addition, one position will require teaching courses in the areas of database, data mining and web-based application. For the other position, candidates from all areas will be considered. Academic advising and student mentoring are also expected for both positions. Conduct undergraduate research and scholarly activities.

### Minimum Qualifications:

Doctorate in Computer Science.  
Demonstrated evidence of a strong commitment to undergraduate teaching and curriculum development. Demonstrated knowledge in one or more of the modern programming languages such as C, C++, Java, Python, PHP, Javascript, etc.

**Preferred Qualifications:** Background in the areas of database, data mining and web-based application for one of the open positions. The other position prefers a background in the areas of database, bioinformatics, artificial intelligence and networking.

Applications will be accepted via Salisbury University's **Online Employment**

**Application System.** Please visit our website <http://www.salisbury.edu/HR/careers/> to apply online. See the FAQs of the Online Employment Application System for more information and instructions.

To be considered an applicant, you **must** apply online and submit the following: a letter of interest, curriculum vitae, letters of recommendation, unofficial transcripts

## Visiting Assistant/Associate Professor of Data Science

### Closing Date/Time:

Sun. 01/10/16 11:59 PM Pacific Time

### Responsibilities:

Candidates will be expected to teach a variety of courses including data science, data visualization, business intelligence, and statistics. This position at Saint Mary's College includes courses at off-site locations in San Francisco, Silicon Valley and San Ramon.

Preference will be given to candidates who demonstrate active research on cutting-edge analytical methods in business and its applications to the environment and society. Duties will include research and teaching at the graduate and undergraduate levels.

Advising students and serving on committees and are expected to contribute to the mission of the College, which is informed, animated and expressed through its Catholic, Lasallian and Liberal Arts traditions.

### Experience and Qualifications:

- Earned master's or doctorate in Data Science, Statistics, Business Analytics, or in a closely related field required, before commencing his or her academic appointment.
- Demonstrated track record or potential for teaching excellence, scholarly research and publication in the field.
- Teach, advise and mentor a culturally and educationally diverse student body.
- Appreciation of and deep respect for the learning/teaching environment and for the students, staff, and faculty who comprise it and the willingness to become a stakeholder in the Lasallian commitment to that environment.

For more information and to apply, visit <http://apptrkr.com/720478>

**Equal Opportunity Employer**





# Professional Opportunities

(official copies to be submitted before hire), and a brief statement describing approach to undergraduate teaching. If you have any questions about the position, please contact Dr. Sophie Wang at [xswang@salisbury.edu](mailto:xswang@salisbury.edu).

**Note:** If you are utilizing an **Online Credential Service Provider** for a blind recommendation and/or have any other documents that cannot be attached, please have these documents sent directly to Mrs. Jenny Howard email: [jlhoward@salisbury.edu](mailto:jlhoward@salisbury.edu), or via the mail to her attention at Salisbury University, 1101 Camden Avenue, Salisbury, MD, 21801.

Review of applications will begin November 16, 2015. The position will remain open until filled. Salary is competitive and commensurate with qualifications and experience. Appointment will be contingent upon verification of eligibility to work in the U.S. and is expected to begin August 2016.

This position is based in Salisbury, Maryland. Founded in 1925, Salisbury University is one of 12 institutions that compose the University System of Maryland. Salisbury University is a selective undergraduate institution with the University System of Maryland. The University is close to ocean beaches and the Chesapeake Bay and 2-3 hours from the metropolitan areas of Washington, Baltimore, Philadelphia, and Norfolk. SU is consistently ranked among the nation's top colleges and 'best values' by U.S. News and World Report, The Princeton Review, Kiplinger's Personal Finance and other publications. SU has 416 full-time faculty members serving a student population of approximately 8700.

Salisbury University has a strong institutional commitment to diversity and equal employment opportunities to all qualified people. To that end, the University prohibits discrimination on the basis of sex, gender, marital status, pregnancy, race, color, ethnicity, national origin, age, disability, genetic information, religion, sexual orientation, gender identity or expression,

veteran status or other legally protected characteristics. Direct all inquiries regarding the nondiscrimination policy to: Humberto Aristizabal, Associate Vice President, Institutional Equity, Title IX Coordinator, 100 Holloway Hall; Tel. (410) 548-3508.

## Santa Clara University

### *Computer Engineering Department*

#### *Assistant Professor*

The Department of Computer Engineering at Santa Clara University invites applications for two tenure-track Assistant Professor positions starting in the 2016-2017 academic year. Applicants must hold a doctorate in computer science, computer engineering, or in a closely related field; have demonstrated a strong potential for high-quality research in computing; and have a strong commitment and ability to teach at both the undergraduate and graduate levels. To complement expertise of current faculty, address areas of strong interest to students, and enhance collaboration opportunities with local industries, the department is particularly interested in candidates with specialization in data science, IoT, machine learning, mobile, multimedia, or security. However, Silicon Valley is an area of broad and ever-changing technical interests and needs, and strong candidates will be seriously considered regardless of area of specialization.

The full-time teaching load is normally seven course equivalents per academic year (including lectures and supervision of labs, theses and projects), distributed across three quarters of ten weeks each. However, course release(s) may be approved for faculty actively involved in research. Salary is based on expertise and experience.

Santa Clara University (<https://www.scu.edu>) is a comprehensive Jesuit, Catholic university, located in the heart of Silicon Valley. Distinguished by the highest retention rate

of any US master's university, and ranked second among all master's universities in the West by U.S. News and World Report, Santa Clara University is California's oldest operating institution of higher education. The School of Engineering is committed to improving the human condition through engineering education, practice, and scholarship, promoting the University's mission to 'fashion a more humane, just and sustainable world'.

SCU maintains small class sizes and promotes close faculty/student interaction. The University enrollment is approximately 5,500 undergraduate and 3,700 graduate students. The Department (<http://www.scu.edu/engineering/cse/>) offers B.S., M.S. and Ph.D. degrees, with 19 full-time faculty, and a strong pool of approximately 35 part-time adjunct faculty who instruct about 300 undergraduate majors, and about 450 part-time and full-time graduate students. The School of Engineering maintains strong ties to local industry.

The proposed start date is September 1, 2016.

### **Application Instructions**

Applicants should submit detailed CVs, statements of research interests, statements of teaching interests, and names and contact information of three professional references. All materials should be submitted online at <https://jobs.scu.edu/postings/3504>

Review of applications will begin upon receipt and complete application packets received by December 15, 2015 will receive full consideration. However, the search will remain open until the position is filled.

EEO / AA Policy:

Santa Clara University is an equal opportunity/Affirmative Action employer and welcomes applications from women, persons of color and members of other historically underrepresented U.S. ethnic groups. The University welcomes and honors people of all races, genders, creeds, cultures, and sexual

# Professional Opportunities

orientations and values intellectual curiosity, pursuit of knowledge, and academic freedom and integrity. The University will provide reasonable accommodations to individuals with a disability.

## Simon Fraser University

### *Tenure-track Faculty Positions*

The School of Engineering Science at Simon Fraser University, British Columbia, Canada, invites applications for tenure-track faculty positions in the broad areas of computer engineering and microelectronics, mainly at the assistant professor level, starting Fall 2016. Outstanding candidates at Associate and full Professor levels may also be considered. Strategically important research expertise that builds on or complements existing strengths is sought. Research expertise and application areas of particular interest includes, but is not limited to, IC Design and Sensors, RF Communication and Signal Processing, Biomedical Engineering and Robotics, Computer Systems and Architecture, Security, Data Science, Machine Learning and Internet of Things.

Candidates are expected to demonstrate a commitment to excellence in research, graduate student supervision, and teaching at the undergraduate and graduate levels. Ability to bridge disciplines is desirable. A Ph.D. in Electrical and Computer Engineering or related areas by the date of appointment is required. Candidates will be required to obtain the Professional Engineer (PEng.) licence within a few years of the appointment date.

Simon Fraser University is located in metropolitan Vancouver, one of the most livable cities in the world. It has been ranked by MacLean's Magazine as the No. 1 comprehensive university in Canada for 13 times in the last 25 years. The School of Engineering Science currently has 30 faculty members, 150 graduate students, and

more than 1000 undergraduate students. The school prides itself in its excellent researchers, cutting edge labs, and high-quality, engaged students.

The review of applications will start on January 15, 2016 and will continue until the positions are filled. The positions are subject to availability of funding and approval by the SFU Board of Governors.

To apply, please submit your curriculum vitae, research and teaching statement, and the names and email addresses of three referees to [ensc-search@sfu.ca](mailto:ensc-search@sfu.ca)

All qualified candidates are encouraged to apply. However, Canadian citizens and permanent residents will be given priority. Simon Fraser University is committed to employment equity and encourages applications from all qualified women and men, including visible minorities, aboriginal people, and persons with disabilities. Under the authority of the University Act, personal information that is required by the University for academic appointment competitions will be collected. For further details see the Collection Notice: [http://www.sfu.ca/vpacademic/faculty\\_openings/collection\\_notice.html](http://www.sfu.ca/vpacademic/faculty_openings/collection_notice.html)

## State University of New York at Binghamton

### *Department of Computer Science*

#### *Four Tenure-Track Positions*

As part of our continuing growth, the Department of Computer Science in the Thomas J. Watson School of Engineering and Applied Science at Binghamton University (The State University of New York at Binghamton) invites applications for four tenure-track positions as follows beginning in Fall 2016:

1) One Assistant Professor position in the healthcare informatics/healthcare systems area.

2) Three other positions, two at the Assistant professor level and one at the Assistant/Associate Professor level. For these 3 positions, we are especially interested in candidates in the following areas: (a) Data Analytics, (b) Operating Systems or Embedded Systems, (c) Machine Learning.

The Department has established graduate and undergraduate programs, including 60 full-time PhD students and 31 Faculty members. Junior faculty have a significantly reduced teaching load for at least the first three years. We are dedicated to the goal of building a diverse and inclusive teaching, research, and working environment. Potential applicants who share this goal, especially underrepresented minorities and women, are strongly encouraged to apply for the position described below. Further details and application information are available at: <http://binghamton.interviewexchange.com>

For the faculty position in the healthcare informatics/healthcare systems area the Department seeks a research scholar with research that will affiliate with the Binghamton University Transdisciplinary Areas of Excellence Initiative in Healthcare systems (<http://www.binghamton.edu/tae/health-sciences/index.html>) respectively. Applications will be reviewed until positions are filled. First consideration will be given to applications received by **February 15, 2016**.

We are an EE/AA employer.

## SUNY at Buffalo

### *Assistant, Associate and Full Professor Positions*

The University at Buffalo Department of Computer Science and Engineering invites candidates to apply for tenured and tenure-track faculty positions beginning in the Fall 2016 semester. We invite candidates from all areas of Computer Science and Engineering, especially Computer Vision and Pattern Recognition, Artificial Intelligence, all aspects

# Professional Opportunities

of Big Data, including Cyber Security, Cyber Physical Systems (or Internet of Things) and Human Computer Interaction. We are particularly looking for candidates who can operate effectively in a diverse community of students and faculty and share our vision of making all constituents reach their potential.

Computer Science and Engineering Department is housed in a new \$75M building, and as a part of School of Engineering and Applied Sciences, the Computer Science and Engineering department offers both BA and BS degrees

in Computer Science and a BS in Computer Engineering (accredited by ABET), a combined 5-year BS/MS program, a minor in Computer Science, and two joint programs (BA/MBA and Computational Physics) as well as MS and PhD programs.

The department has 37 tenured/tenure-track faculty, 4 teaching faculty, and approximately 750 undergraduate majors, 470 masters students, and 160 PhD students. Eighteen faculty including 16 junior faculty have been hired since 2010, and we are continuing to expand. Two members of

our faculty currently hold key university leadership positions and seven members of our faculty are IEEE and/or ACM Fellows. Our faculty members are actively involved in cutting-edge research and successful interdisciplinary programs and centers devoted to biometrics; bioinformatics; biomedical computing; computational and data science and engineering, document analysis and recognition; high performance computing; information assurance and cyber security; embedded, networked and distributed systems, and sustainable



## School of Engineering, Stanford University – Faculty Opening

The School of Engineering at Stanford University (<http://soe.stanford.edu/>) invites applications for a tenure-track faculty appointment at the junior level (Assistant or untenured Associate Professor) in the broadly defined field of robotics and autonomous systems. Priority will be given to the overall originality and promise of the candidate's work over any particular specialization area or department affiliation.

Applicants should have an earned Ph.D., evidence of the ability to pursue an independent program of research, a strong commitment to both graduate and undergraduate teaching, and the ability to initiate and conduct research across disciplines. A successful candidate will be appointed in one or two of the departments of Aeronautics and Astronautics, Computer Science, Electrical Engineering, and Mechanical Engineering, although appointments in other departments will also be possible. The candidate will be expected to teach courses at the graduate and undergraduate levels and to build and lead a team of graduate students in Ph.D. research.

Applications should include a brief research and teaching plan, a detailed resume including a publications list, and the names and addresses of at least five references.

Candidates should apply online at <http://ee.stanford.edu/job-openings>. Applications will be accepted through December 14, 2015.

Stanford University is an equal opportunity employer and is committed to increasing the diversity of its faculty. It welcomes nominations of and applications from women, members of minority groups, protected veterans and individuals with disabilities, as well as from others who would bring additional dimensions to the university's research, teaching and clinical missions.

# Professional Opportunities

transportation. Our annual research expenditure exceeds 4.6 Millions on average over the last five years.

The State University of New York at Buffalo (UB) is New York's largest and most comprehensive public university, with approximately 20,000 undergraduate students and 10,000 graduate students. One of the most recent investments of the University is the establishment of RENEW, a multidisciplinary institute for Research and Education in eEnergy, Environment and Water, which provides CSE faculty and students many opportunities for collaboration.

## Minimum Qualifications:

Applicants must have a PhD in computer science or related area by August 2016 and demonstrate potential for excellence in research, teaching, service and mentoring. PhD must be conferred prior to the appointment. Candidates must have an excellent publication record and potential for developing a strong funded research program. Candidates must demonstrate excellence in research, teaching and mentoring.

Applications for this position will only be accepted online. To apply, please visit: <https://www.ubjobs.buffalo.edu/applicants/Central?quickFind=58432>

## State University of New York at Buffalo

### *Teaching Assistant Professor/ Lecturer Positions*

The State University of New York at Buffalo Department of Computer Science and Engineering invites candidates to apply for non-tenure track lecturer positions beginning in fall 2016. We invite candidates from all areas of Computer Science and Computer Engineering who have a passion for teaching to apply. We are particularly looking for candidates who can operate effectively in a diverse community of students and

faculty and share our vision of helping all constituents reach their potential.

Duties include teaching and development of undergraduate Computer Science and Computer Engineering courses (with an emphasis on lower division), advising undergraduate students, as well as participation in department and university governance (service). Contribution to research is encouraged.

Computer Science and Engineering department is housed in a new \$75M building, and as a part of the School of Engineering and Applied Sciences, the department offers both BA and BS degrees in Computer Science and a BS in Computer Engineering (accredited by ABET), a combined 5-year BS/MS program, a minor in Computer Science, and two joint programs (BA/MBA and Computational Physics) as well as MS and PhD programs.

The department has 37 tenure/tenure-track faculty, 4 teaching faculty, and approximately 750 undergraduate majors, 470 masters students, and 160 PhD students. Eighteen faculty including 16 junior faculty have been hired since 2010 and we are continuing to expand. Two members of the faculty currently hold key leadership positions and seven members are IEEE and/or ACM fellows. Our faculty members are involved in cutting-edge research and successful interdisciplinary programs and centers devoted to biometrics; bioinformatics; biomedical computing; computational and data science and engineering; document analysis and recognition; high performance computer; information assurance and cyber security; embedded networked and distributed systems, and sustainable transportation. Our annual research expenditure exceeds 4.6M on average over the past five years.

The State University of New York at Buffalo is New York's largest and most comprehensive public university, with approximately 20,000 undergraduate students and 10,000

graduate students. One of the most recent investments of the University is the establishment of RENEW, a multidisciplinary institute for Research and Education in eEnergy, Environment and Water, which provides CSE faculty and students many opportunities for collaboration.

## Minimum Qualifications:

Ideally, applicants should have a PhD degree in Computer Science, Computer Engineering, or a related field by August 2016. Exceptional applicants with a MS degree will also be considered. The ability to teach at all levels of the undergraduate curriculum is essential, as is potential for excellent in teaching, mentoring, service, and research. A background in Computer Science and Computer Engineering Education, a commitment to K-12 outreach, and addressing the recruitment and retention of underrepresented students are definite assets.

Applications for this position will only be accepted online. To apply, please visit: [https://www.ubjobs.buffalo.edu/applicants/jsp/shared/position/JobDetails\\_css.jsp?postingId=209438](https://www.ubjobs.buffalo.edu/applicants/jsp/shared/position/JobDetails_css.jsp?postingId=209438)

## SUNY Korea, Incheon, Korea

### *Computer Science Department Lecturer or Research Professor*

The Computer Science Department at SUNY Korea ([www.cs.sunykorea.ac.kr](http://www.cs.sunykorea.ac.kr)) has a vacancy for a full-time junior or senior lecturer or Research Assistant/Associate/ Full Professor, beginning Spring 2016. The candidate is expected to teach introductory and advanced Computer Science courses in the SUNY Korea Bachelor of Science program. The position as advertised is non-tenure track, but conversion into a tenured or tenure-track position at a later time is possible. Engaging in research is encouraged but not mandatory.

# Professional Opportunities

SUNY Korea ([www.sunykorea.ac.kr](http://www.sunykorea.ac.kr)) is the first American university on Korean soil, bringing the largest and most comprehensive state university system of the United States - the State University of New York (SUNY) - to Asia. SUNY Korea is tightly integrated with Stony Brook University, a top research university of the SUNY system and in the US in general. It is committed to delivering world-class research oriented PhD, MS, and BS programs in Computer Science while providing the full American university experience in Korea. The degrees granted are from Stony Brook University ([www.stonybrook.edu](http://www.stonybrook.edu)), a SUNY campus in Stony Brook, NY.

The Department of Computer Science ([www.cs.stonybrook.edu](http://www.cs.stonybrook.edu)) at Stony Brook University is consistently ranked among the top Computer Science research departments, and the most recent NRC survey positioned it among the top 10% of PhD programs in the U.S.

## Application Instructions

Please visit this webpage ([http://www.cs.sunykorea.ac.kr/about/SUNYkorea\\_2015\\_lec.html](http://www.cs.sunykorea.ac.kr/about/SUNYkorea_2015_lec.html)) for further information on the position and application procedure. Applicants should apply online at: <https://hiring.cs.stonybrook.edu>. Review of applications will start immediately and will continue until the position is filled. Applications from non-Korean citizens, women and minorities are encouraged.

## Stony Brook University

*Multiple Positions in All Areas of Computer Science*

Stony Brook University's Department of Computer Science invites applications for multiple tenure-track faculty positions for spring or fall 2016. Exceptionally qualified junior and senior candidates in all areas of Computer Science are invited to apply. Candidates in the following areas are

particularly encouraged to apply: Machine Learning, HCI and Intelligent Interfaces, Pervasive Computing, Ubiquitous Robotics, 3D Printing, Cyber-Physical Systems, Big Data, Computational Science and Biomedical Informatics, yet all areas of Computer Science will be considered.

Applicants must hold a Ph.D. in Computer Science or a closely related discipline, and must demonstrate superior research potential. It is preferred that applicants have a demonstrated history of excellence in research and teaching at the graduate and undergraduate levels.

The Department currently has over 50 faculty members and is expected to recruit additional members in the next several years. Detailed information on the Department can be found on the Department website: <http://www.cs.stonybrook.edu>. The Department is in a stage of significant expansion, in terms of new faculty lines, a new Computer Science building, a recent Center of Excellence in Wireless and Information Technology (CEWIT) building, a recent Center of Excellence in Advanced Energy (AERTC), along with new programs at SUNY Korea.

Home to many highly ranked graduate research programs, Stony Brook University is located 50 miles from New York City on Long Island's scenic North Shore. Stony Brook University is a member of the prestigious Association of American Universities (AAU) and co-manager of nearby Brookhaven National Laboratory (BNL), a Department of Energy multidisciplinary research laboratory.

**Application Procedure:** Those interested in this position should submit a [State employment application](#), cover letter and resume/CV at <https://hiring.cs.stonybrook.edu/>. **Electronic submission is highly preferred.**

**Alternatively,** submit above mentioned materials to:

Search Chair  
Department of Computer Science  
New Computer Science Building, Room 203C  
Stony Brook University  
Stony Brook, NY 11790  
Fax: (631) 632-1784

For a full position description, or to view application procedures, visit: [www.stonybrook.edu/jobs](http://www.stonybrook.edu/jobs) (Ref. # F-9565-15-12-F).

AA/EOE. **Female/Minority/Disabled/Veteran**

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Applicants must hold a Ph.D. in Computer Science or a closely related discipline. Preferred candidates will have a demonstrated history of excellence in research and teaching at the undergraduate and graduate levels.

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# Professional Opportunities

Advanced Energy (AERTC), along with new programs at SUNY Korea.

Stony Brook University, home to many highly ranked graduate research programs, is located 60 miles from New York City on Long Island's scenic North Shore. Our 1,040-acre campus is home to 24,600 undergraduate, graduate, and doctoral students and more than 13,500 faculty and staff, including those employed at Stony Brook Medicine, Suffolk County's only academic medical center and tertiary care provider. The University is a member of the prestigious Association of American Universities and co-manager of nearby Brookhaven National Laboratory (BNL), a multidisciplinary research laboratory supporting world class scientific programs utilizing state-of-the-art facilities such as the Relativistic Heavy Ion Collider, the National Synchrotron Light Source, and the Center for Functional Nanomaterials, and the New York Blue IBM BG/L+P supercomputer, owned by Stony Brook and managed by BNL. Stony Brook is a partner in managing the Laboratory for the Department of Energy, and is the largest institutional scientific user of BNL facilities. As such, many opportunities exist for collaborative research, and in some cases, joint appointments can be arranged.

Those interested in this position should submit a [State employment application](#), cover letter and resume/CV at <https://hiring.cs.stonybrook.edu/>.

AA/EOE. **Female/Minority/Disabled/Veteran**

## Texas A&M University, College Station, TX, USA

*Electrical and Computer Engineering  
Postdoctoral Research Associate, Graph  
Stream Processing*

The Texas A&M University department of Electrical and Computer Engineering invites applications for a postdoctoral research associate to work in the area of algorithms

for summarizing large and complex datasets. The goal is to develop methods that can be optimized for downstream data analytics in contexts including streaming graph data, with applications to problems in engineering. Someone who has a strong background in algorithms for data science and an interest in both creating and applying them would be a great fit for this position. The primary duties of this position are to conduct research, write papers, and assist with supervising graduate students.

Minimum Education: An appropriate doctoral degree.

Preferred Experience and Education: PhD awarded in field related to data science. Methods of data science as a significant focus of graduate work.

Closing Date: Open until filled.

Applicants must apply online at [www.tamuengineeringjobs.com](http://www.tamuengineeringjobs.com). Direct link: [www.tamuengineeringjobs.com/applicants/Central?quickFind=55725](http://www.tamuengineeringjobs.com/applicants/Central?quickFind=55725)

EEO statement: The members of Texas A&M Engineering are all Equal Opportunity/Affirmative Action/Veterans/Disability employers committed to diversity. It is the policy of these members to recruit, hire, train and promote without regard to race, color, sex, religion, national origin, age, disability, genetic information, veteran status, sexual orientation or gender identity.

## Texas A&M University-Corpus Christi

*School of Engineering and  
Computing Sciences  
Computer Science Positions*

The Department of Computing Sciences at Texas A&M University-Corpus Christi invites applications for the following positions in Computer Science with starting date of Fall 2016:

### 1 x Rogelio Benavides Endowed Chair.

<https://islanderjobs.tamucc.edu/postings/4573>. This position is an endowed professorship, tenure-on-arrival position at the Associate Professor rank. Successful candidates are expected to be recognized scholars in Computer Science and its applications in geospatial computing and/or computer security/information assurance and with a track record of strong external funding supporting the candidate's research program and supervision of Ph.D. students.

### 2 x tenure-track Assistant Professor.

<https://islanderjobs.tamucc.edu/postings/4588>. Successful candidates are expected to have expertise in Computer Science and its applications in geospatial computing and/or computer security and information assurance.

### 1 x non-tenure-track Professional Assistant Professor.

<https://islanderjobs.tamucc.edu/postings/4587>. A professional-track position is a promotable non tenure-track position with focus on teaching.

Information about the School of Engineering and Computing Sciences is available at <http://encs.tamucc.edu/>.

Apply online and learn more about the minimum qualifications and job requirements at <https://islanderjobs.tamucc.edu>.

TAMU-CC is an Equal Opportunity employer.

## Trinity College, Hartford, Connecticut

*Computer Science Department  
Assistant Professor of Computer Science*

Applications are invited for a tenure-track position in computer science at the rank of Assistant Professor to start in the fall of 2016. Candidates must hold a Ph.D. in computer science at the time of appointment. We are seeking candidates

# Professional Opportunities

with teaching and research interests in applied areas associated with Big Data (such as database and information systems, data mining and knowledge discovery, machine learning and cloud computing), but other related areas will be seriously considered.

Applications should be submitted to: <https://trincoll.peopleadmin.com/>. Consideration of applications will begin on December 15, 2015.

Trinity College is an Equal-Opportunity/Affirmative-Action employer.

## Tulane University - New Orleans, LA

*Department of Computer Science*

*Faculty Positions in Computer Science  
Starting Fall 2016*

### Tulane Computer Science is Hiring!

The Tulane Computer Science department anticipates multiple hires at all levels as it continues to build its program. We expect to double our faculty within two years, and to triple it within two more years. We are particularly pleased to announce

### The Yahoo! Founder Chair in Systems

We seek outstanding applicants for an endowed chair in systems. The successful applicant will be an internationally recognized leader who is capable of establishing and leading a systems group of the first rank. The Yahoo! Founder Professor will anchor our new systems group, with additional hires expected to complete the group. We are especially interested in candidates in network and distributed systems, systems security or software systems. Potential candidates are encouraged to contact Professor Michael Mislove, chair of the computer science department, at [mislove@tulane.edu](mailto:mislove@tulane.edu) about their candidacy.

### Tenured/Tenure-Track Open Rank Positions

We also anticipate a number of openings for tenured or tenure-track positions in Machine

Learning. We intend to establish a Machine Learning group that will interact with existing research activities and with those of the new systems group, as well as with researchers in related areas at Tulane.

We also welcome applications by outstanding candidates from other areas of computer science. We particularly encourage applications from candidates who are interested in helping us build a program that emphasizes the application of computer science to areas where its principles and tools can have a defining impact on the course of research.

All of these positions have the potential for a joint appointment with the Florida Institute for Human and Machine Cognition – see <http://www.ihmc.us>.

Successful candidates for these positions will have internationally recognized research programs that include applications of computer science to science, engineering, the health sciences, or other areas where computer science is helping define new approaches to research. They also will have a demonstrated record of research funding and a documented record of excellent teaching at the undergraduate and graduate levels. A PhD in computer science is strongly preferred.

More information about the Tulane Computer Science Department, its faculty, its research areas and undergraduate and graduate programs can be found at <http://www.cs.tulane.edu>.

### Application Instructions

A complete application should include a CV, statements on research and teaching, and at least three letters of recommendation. Applications for these positions will be reviewed starting January 1, 2016; the review and interview process will continue until all open positions are filled. These positions are subject to final administrative approval.

Candidates interested in the Yahoo! Founder Chair position may access the electronic application via the following link: [apply.interfolio.com/31595](http://apply.interfolio.com/31595).

Candidates interested in the tenured/tenure-track open rank positions should apply electronically via the following link: [apply.interfolio.com/31616](http://apply.interfolio.com/31616).

Tulane University is an Affirmative Action / Equal Opportunity / ADA Employer that is committed to increasing the diversity of its faculty. We therefore encourage applications from underrepresented groups.

## University at Albany SUNY

*Lecturers (3) - Computer Science Department*

The Computer Science Department in the College of Engineering and Applied Sciences at the University at Albany SUNY is searching for three (3) full-time Lecturers beginning fall 2016. Positions are three-year, renewable, 10-month appointments. Applicants will teach in the program core and must be able to teach a variety of courses including but not limited to the following areas: programming and data structures, software engineering, programming languages, compiler design, operating systems, databases, data analytics, discrete math, and related topics.

Applicants must have a Master of Science in Computer Science or a closely related discipline. Prior college/university teaching experience is desired. For a complete job description and application procedures, visit: <https://albany.interviewexchange.com/jobofferdetails.jsp?JOBID=66114>

Questions regarding the position may be addressed to [CSEvergreen@albany.edu](mailto:CSEvergreen@albany.edu). The Computer Science Department offers Bachelor's, Master's and Ph.D. degrees. For additional information, please visit <http://www.cs.albany.edu/>.

The University at Albany is an EO/AA/IRCA/ADA Employer.

# Professional Opportunities

## University at Albany – SUNY

### *Tenure-track Faculty Positions*

#### *Computer Science and Computer Engineering*

The Computer Science Department ([www.cs.albany.edu](http://www.cs.albany.edu)) in the College of Engineering and Applied Sciences at the University at Albany – SUNY is seeking candidates for:

- One (1) tenure-track Assistant Professor faculty position beginning Fall 2016 with a specialization in cyber-security.

For a complete job description and application procedures, visit: <https://albany.interviewexchange.com/jobofferdetails.jsp?JOBID=64754>

Questions regarding the position may be addressed to [CSCyber@albany.edu](mailto:CSCyber@albany.edu).

- Two (2) tenure-track Assistant Professor faculty positions beginning Fall 2016 with research expertise in any area of Computer Science.

For a complete job description and application procedures, visit: <https://albany.interviewexchange.com/jobofferdetails.jsp?JOBID=65154>

Questions regarding the position may be addressed to [CS2016@albany.edu](mailto:CS2016@albany.edu)

#### Computer Engineering Department

The Computer Engineering Department ([www.albany.edu/cen/](http://www.albany.edu/cen/)) in the College of Engineering and Applied Sciences at the University at Albany – SUNY is seeking candidates for:

- Open rank tenure-track faculty positions at Assistant, Associate, or Full Professor beginning spring or Fall 2016 with expertise in one or more areas of computer or electrical engineering including, but not limited to, hardware design, embedded systems, mobile and ubiquitous computing, networking, and software engineering.

For a complete job description and application procedures, visit: <https://albany.interviewexchange.com/jobofferdetails.jsp?JOBID=55601>

[interviewexchange.com/jobofferdetails.jsp?JOBID=55601](https://albany.interviewexchange.com/jobofferdetails.jsp?JOBID=55601)

Questions regarding the position may be addressed to [CompEsearch@albany.edu](mailto:CompEsearch@albany.edu).

The University at Albany is an EO/AA/IRCA/ADA Employer

## University of Alberta

### *Tenure-Track Assistant Professor Positions in (1) Software Systems and (2) Machine Learning/Artificial Intelligence*

The Department of Computing Science at the University of Alberta invites applications for a tenure-track Assistant Professor positions (appointments at Associate level may be considered in exceptional cases). Excellent candidates in all areas of Computing Science will be considered, but preference will be given to those with established, or with clear potential to establish, an excellent research record in the areas of Software Systems or Machine Learning/Artificial Intelligence, broadly defined. Outstanding candidates may be nominated for a prestigious Canada Research Chair Tier 2 position. The candidate must hold a Ph.D. (or equivalent) degree by the appointment date (expected to be July 1st, 2016).

The Department of Computing Science has 42 faculty members, and over 200 graduate students in its Ph.D. and thesis-based M.Sc. programs. The University of Alberta, one of Canada's top teaching and research universities in Canada (hosting more than 39,000 students and 15,000 faculty and staff), has an annual budget of \$1.75 billion and attracts more than \$460 million in sponsored research revenue. Edmonton, Alberta's capital, is consistently ranked as one of the best Canadian cities to live in. It offers a rich array of cultural, professional, sports, and entrepreneurial activities, with easy access to Canada's Rocky Mountains, and its public elementary and secondary schools provide high-quality education.

Applicants are asked to submit the following (all files must be submitted in PDF format):

- full curriculum vitae
- their most significant peer-reviewed published contribution to their field of research
- a 1-2 page research statement highlighting contributions to their field of research as well as an overview of their planned research program for the short-medium term, e.g., 5 years after initial appointment
- a 1-page teaching philosophy including their experience and interests
- Important: applicants must also ensure that three referees will submit (through the submission website below) confidential reference letters about their accomplishments and their potential as an independent researcher.

All applications are to be submitted at <https://academicjobsonline.org/ajo/jobs/5823>. The review will continue until a suitable candidate is found; in order to ensure full consideration, applications (including submission of reference letters) must be completed by Dec. 1st, 2015. For further information please email the Department Chair's Executive Assistant at [cs.ea@ualberta.ca](mailto:cs.ea@ualberta.ca) (please use "Assistant Professor Position 2015" as the email's subject).

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. If suitable Canadian citizens or permanent residents cannot be found, other individuals will be considered.

The University of Alberta hires on the basis of merit. We are committed to the principle of equity in employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities, and Aboriginal persons.

# Professional Opportunities

## University of Arkansas

### *Tenure-Track or Tenured Full Professor Position*

The Department of Computer Science and Computer Engineering at the University of Arkansas invites applications for a tenure-track or tenured full professor position in big data analytics with a start date of August 2016. Applicants should present an excellent track record in scholarship, sustained external funding, and teaching and are expected to have national and international recognition.

For application details, visit <http://csce.uark.edu>.

The UA is AA/EO employer/Veterans/Disabled.

## University of Arkansas, Fayetteville, Arkansas

### *Computer Science and Computer Engineering*

#### *Assistant Professor*

The Department of Computer Science and Computer Engineering at the University of Arkansas invites applications for a tenure-track assistant professor position in Electronic Design Automation (EDA) with a start date of August 2016. Applicants are expected to have demonstrated knowledge and expertise in EDA algorithms, optimization methods, implementations, and software architecture.

For application details, visit <http://csce.uark.edu>.

The UA is AA/EO employer/Veterans/Disabled.

## University of Arizona

### *Department of Computer Science*

#### *Tenure-track Faculty Position in Algorithms and Visualization for Large Data Sets*

The Department of Computer Science at the University of Arizona invites applications for a tenure-track faculty position in the

area of big data, with special consideration given to those with expertise in the areas of algorithms or visualization. The ideal candidate will have demonstrated excellence in core computer science as well a track record of collaboration with other scientific disciplines. Our preference is to hire at the Assistant Professor level, but we will consider outstanding applicants at all ranks.

The Department of Computer Science at the University of Arizona has a long history of research accomplishment, influential software distribution, and substantial external funding. Current research areas include algorithms, bioinformatics, compilers, computational geometry, databases, high-performance computing, networks, operating systems, security, sensor networks, vision, and visualization. More information about the University of Arizona and its environs is available at [www.whyUA.com](http://www.whyUA.com).

This position is part of a multidisciplinary hiring initiative at the University of Arizona that is establishing a virtual center called the iEarth Collaborative. The iEarth Collaborative will address the grand challenge of understanding and forecasting Earth system dynamics, including providing food, water, energy, security, and information about a globally changing environment. Algorithms and visualization will be critical to understanding the complex interactions between atmospheric, geological, hydrologic and biological processes that will determine future living conditions on Earth. Building on existing strengths in the geological, climate, water, agriculture, life, social, and computational sciences, the University of Arizona seeks to hire several tenure-track faculty members across multiple departments to help us collect, share, and analyze Earth system data. This position will be housed in the Department of Computer Science.

Successful candidates are expected to develop and maintain a vigorous,

collaborative, and externally funded research program, including publishing and presenting their research to the scientific community, and to work with collaborating faculty, researchers, and students from across UA and other institutions. The appointee will teach courses at the graduate and undergraduate levels and contribute to mentoring students, including those from underrepresented backgrounds. The appointee will also participate in outreach and contribute to departmental/college/university service. In these and other ways, the appointee will develop innovative approaches to enhancing student engagement, increasing diversity and expanding its collaborations with community and business partners.

At the University of Arizona, we value our inclusive climate because we know that diversity in experiences and perspectives is vital to advancing innovation, critical thinking, solving complex problems, and creating an inclusive academic community. We translate these values into action by seeking individuals who have experience and expertise working with diverse students, colleagues and constituencies. Because we seek a workforce with diverse perspectives and experiences, we encourage minorities, women, veterans, and individuals with disabilities to apply. As an Employer of National Service, we also welcome alumni of AmeriCorps, Peace Corps, and other national service programs.

Review of applications will begin on January 4, 2016 and continue until the position is filled. As an equal opportunity and affirmative action employer, the University of Arizona recognizes the power of a diverse community and encourages applications from individuals with varied experiences, perspectives, and backgrounds.

Application Instructions:

To apply, complete an online application at the UA Human Resources web site, (<http://>



# Professional Opportunities

[uacareers.com/postings/6364](http://uacareers.com/postings/6364)). Be sure to upload (a) your curriculum vitae, (b) a statement of your research and teaching interests, (c) the names of at least three references, and (d) your letter of interest.

Please email [search@cs.arizona.edu](mailto:search@cs.arizona.edu) if you have any questions or need assistance.

## University of British Columbia

*Department of Computer Science*

*Tenure-Track Faculty Teaching Position*

The University of British Columbia invites applications for one or more tenure-track faculty teaching positions at the rank of Instructor I in the Department of Computer Science on the Vancouver Campus. UBC Computer Science ([www.cs.ubc.ca](http://www.cs.ubc.ca)) ranks among the top departments in North America, with 54 tenure-track faculty, 200 graduate students, and over 1800 undergraduates.

Currently, the typical teaching load will be two courses per term, for a total of four courses each year. These position(s) provide the rare opportunity to pursue a career based on excellence in teaching, while participating as a first-class colleague in the intellectually exciting atmosphere of a top-tier computer science department. These position(s) fall within UBC's Educational Leadership Stream, where there is a career path for teaching-oriented faculty that begins with the tenure-track Instructor rank, continues with the tenured Senior Instructor rank, and culminates with the Professor of Teaching rank. This path is analogous to the research-oriented faculty progression of tenure-track Assistant Professor, tenured Associate Professor, and Full Professor rank. Appointment at a tenured teaching rank may be considered for applicants with exceptional qualifications and experience. The anticipated start date for these positions is July 1, 2016.

A PhD or equivalent in Computer Science or a related area is expected. The successful

candidate must provide evidence of: demonstrated excellence in and commitment to undergraduate teaching, ability to work independently and to supervise the work of others, promise of educational leadership at the national or international level, and potential for creating innovative instructional environments in both the undergraduate classroom and the laboratory. Experience in curriculum development, course design, and other initiatives that advance the University's ability to excel in its teaching and learning mandate is also an asset.

Candidates should submit a CV, a teaching statement, evidence of teaching effectiveness, and the names of at least three references. The statement should include their teaching philosophy, and a record of teaching interests and experience. Candidates are particularly encouraged to highlight experience with emerging technologies in teaching and learning. Applications may be submitted online at: <https://apps.cs.ubc.ca/fac-recruit/instr/apply/form.jsp>

The website will remain open for submissions through the end of the day on December 1st, 2015. The website may remain open past that date at the discretion of the recruiting committee. All applications submitted while the website remains open will be considered.

UBC hires on the basis of merit and is committed to employment equity. All qualified persons are encouraged to apply. We especially welcome applications from members of visible minority groups, women, Aboriginal persons, persons with disabilities, persons of minority sexual orientations and gender identities, and others with the skills and knowledge to engage productively with diverse communities. Canadians and permanent residents of Canada who successfully meet the criteria for excellence through the application and interview process will be given priority.

If you have questions about the application process, please contact the Chair of the Instructor Recruiting Subcommittee by email, at the address below.

Donald Acton  
Chair, Instructor Recruiting Subcommittee  
Department of Computer Science  
University of British Columbia  
Vancouver, BC V6T 1Z4  
Canada  
Email: [fac-rec-instr@cs.ubc.ca](mailto:fac-rec-instr@cs.ubc.ca)

## University of British Columbia

*Department of Computer Science*

*Tenure-Track Research Position(s)*

The University of British Columbia invites applications for multiple tenure-track positions at the rank of Assistant Professor in the Department of Computer Science on the Vancouver Campus. We are seeking candidates of outstanding scientific talent in one of the following areas: Algorithms and Complexity, Human-Computer Interaction, Machine Learning, or Computer Vision. Exceptional candidates in other areas of computer science are also invited to apply. UBC Computer Science ([www.cs.ubc.ca](http://www.cs.ubc.ca)) ranks among the top departments in North America, with 54 tenure-track faculty, 200 graduate students, and over 1800 undergraduates. The anticipated start date is July 1, 2016.

A PhD in Computer Science or a related area is expected. We seek applicants who have shown evidence of high potential and who have demonstrated research success through an outstanding research track record, including multiple full-length recent publications in the top international conferences and journals in the target research areas. Applicants should provide evidence of the impact of these publications, and are also encouraged if applicable to report on software and other artifacts that are connected with them. The successful



# Professional Opportunities

candidate will develop and maintain an internationally recognized research program. The successful candidate will also be expected to effectively supervise graduate students, collaborate with other faculty members, obtain external funding, teach computer science courses for undergraduate and graduate students, and actively participate in departmental activities. The potential of an applicant's research program to complement and extend the existing research strengths of the department will be an important factor in selection.

Applicants must submit a CV, a research statement, a teaching statement, and the names of at least three references. The teaching statement should include a record of teaching interests and experience. Applications may be submitted online at <https://apps.cs.ubc.ca/fac-recruit/research/apply/form.jsp>

The website will remain open for submissions through the end of the day on January 31, 2016. The website may remain open past that date at the discretion of the recruiting committee. All applications submitted while the above website is open will be considered.

UBC hires on the basis of merit and is strongly committed to equity and diversity within its community. We especially welcome applications from members of visible minority groups, women, Aboriginal persons, persons with disabilities, persons of minority sexual orientations and gender identities, and others with the skills and knowledge to engage productively with diverse communities. All qualified candidates are encouraged to apply. Canadians and permanent residents of Canada who successfully meet the criteria for excellence through the application and interview process will be given priority.

One of the successful candidates may be invited to apply for a Canada Research Chair Tier II, details about which can be found at <http://www.chairs.gc.ca>. Canada

Research Chairs are subject to review and final approval by the CRC Secretariat. CRC positions are open to individuals of any nationality; offers will be made in accordance with Canadian immigration requirements associated with the Canada Research Chairs program.

For questions about the application process, contact the Chair of the Research Recruiting Subcommittee

Tamara Munzner  
Chair, Research Recruiting Subcommittee  
Department of Computer Science  
University of British Columbia  
Vancouver BC V6T 1Z4, Canada  
Email: [fac-rec@cs.ubc.ca](mailto:fac-rec@cs.ubc.ca)

## The University of British Columbia, Vancouver, BC, Canada

*Department of Electrical & Computer Engineering*

*Tenure-Track Faculty Position*

The Department of Electrical and Computer Engineering (ECE) at the University of British Columbia (UBC) Vancouver Campus is seeking candidates with outstanding academic and/or professional records in the area of Computer and Software Engineering for a tenure-track position, primarily at the rank of Assistant Professor. Exceptional candidates may be considered for appointment to the ranks of Associate and Full Professor. UBC Electrical and Computer Engineering (<http://www.ece.ubc.ca>) ranks among the top ECE departments in North America, with 55 tenure-track faculty, 400 graduate students and 1000 undergraduate students enrolled in its programs.

The successful candidate must demonstrate the potential for sustained research and teaching excellence judged by the following key factors: i) publication record in the highest calibre international Computer and Software Engineering conferences

and journals; ii) impact on the field and/or industry resulting from his or her publications, or resulting from other research artefacts such as software or hardware; iii) the potential for successful mentorship of graduate students, and collaboration with other researchers in the field; iv) a strong commitment to effective teaching of both undergraduate and graduate courses and department service; and v) the ability to raise external funding and demonstrate leadership within his or her research community. All evidence of a candidate's public speaking, teaching, and mentoring effectiveness, such as in seminars, tutorials, or student project supervision, will be considered. The potential of an applicant's research program to complement and extend existing research strengths of the Department and the University will be an important factor in selection.

The anticipated start date is July 1, 2016. Applicants must have received a Ph.D. or equivalent in Computer Engineering or a related area by this date. Registration as a Professional Engineer in British Columbia will be required within five years of appointment. In addition to start-up funds from the University, significant start-up funding to new faculty may be available through the Canada Foundation for Innovation (CFI) and other sources.

The nature of an appointment as an Assistant, Associate, or Full Professor and the criteria for achieving tenure are described at the University's Faculty Relations site: <http://www.hr.ubc.ca/faculty-relations/>.

Review of applications will begin December 1, 2015, and will continue until the position is filled. To apply, please submit your application online at <http://apply.ece.ubc.ca/>. Applications should include a detailed curriculum vitae, cover letter, research statement, teaching statement, and one representative publication. The teaching

# Professional Opportunities

statement should include a record of teaching interests and, if applicable, experience. Applicants are required to provide names and contact information for at least four referees.

UBC hires on the basis of merit and is strongly committed to equity and diversity within its community. We especially welcome applications from members of visible minority groups, women, Aboriginal persons, persons with disabilities, persons of minority sexual orientations and gender identities, and others with the skills and knowledge to engage productively with diverse communities. All qualified candidates are encouraged to apply; Canadian citizens and permanent residents will, however, be given priority.

If you have questions about the application process, please contact the Chair of the Computer and Software Engineering Recruiting Committee by at [chair-recruiting@ece.ubc.ca](mailto:chair-recruiting@ece.ubc.ca).

Please do not email applications.

Apply online via <http://apply.ece.ubc.ca/>

## University of California, Berkeley

*Assistant Professor, Electrical Engineering and Computer Sciences*

THE UNIVERSITY OF CALIFORNIA, BERKELEY invites applications for an approved tenure-track position in COMPUTER SCIENCE at the non-tenured ASSISTANT PROFESSOR level. The expected start date for this position is July 1, 2016. We will also consider possible joint appointments with Department-affiliated institutes and initiatives, or other UC Berkeley departments.

The minimum qualification required to be considered an applicant for the position is the completion of all Ph.D. degree requirements except the dissertation at the time of application.

Application Instructions:

For more information and to apply, visit <http://apptrkr.com/692452>

DO NOT APPLY VIA THE 'APPLY NOW' BUTTON ON THE APRECRUIT WEB SITE!

EOE

## University of California, Davis

*Department of Computer Science*

*Faculty Positions*

The Department of Computer Science at the University of California at Davis invites applications for three faculty positions at the ranks of assistant professors and/or tenured associate professors in Computer Science for appointments with a start date in Fall 2016. We are targeting recruitment in the general areas of databases, natural language and text processing, and high-performance and distributed computing, but we will consider excellent candidates in all areas of computer science. The campus is especially interested in candidates who can contribute to the diversity and excellence of the academic community through their research, teaching, and service. This recruitment is conducted at the assistant/associate ranks. The resulting hire will be at the assistant/associate ranks, regardless of the proposed appointee's qualifications.

Applicants should have received (or be about to receive) a doctoral degree in Computer Science or a related field. Candidates must have demonstrated excellence in research and a commitment to quality teaching. Candidates at the Associate should have a strong record of publications and research funding, proven leadership skills in collaborative research efforts, and an excellent teaching record at the undergraduate and graduate level. Successful applicants will be expected to establish a top-quality research program and to teach both graduate and undergraduate courses. The department is particularly

interested in candidates who have experience working with students from diverse backgrounds and a demonstrated commitment to improving access to higher education for disadvantaged students.

Interested persons should apply using the instructions given at: <http://www.cs.ucdavis.edu/departments/employ>

Applications should include a vita, a personal statement, a select subset of publications, an optional diversity statement, an optional teaching statement, and the names of three references; candidates who wish to be considered at the Associate level should provide four references. Review of completed applications will begin January 15, 2016. The position remains open until filled.

UC Davis is responsive to the concerns of dual-career couples and offers a Partner Opportunity Program. UC Davis is an affirmative action/equal employment opportunity employer and is dedicated to recruiting a diverse faculty community. We welcome all qualified applicants to apply, including women, minorities, individuals with disabilities and veterans.

## University of California, Davis

*Electrical and Computer Engineering  
Computer Engineering Lecturer*

Position Description:

The Department of Electrical and Computer Engineering seeks to appoint a Lecturer with Potential for Security of Employment, which parallels the position of an Assistant Professor on track for tenure, or a Lecturer with Security of Employment, which parallels the position of an Associate Professor with tenure. The primary focus of this position is undergraduate teaching, coordination of accreditation activities for the department, participation in continuous curriculum development/improvement, and to lead diversity and inclusion efforts.

# Professional Opportunities

## Decision Analytics IEOR Tenure/Tenure Track



**Berkeley**  
University of California

### Recruitment Period

Open November 4th, 2015 through January 4th, 2016

### Description

The DEPARTMENT OF INDUSTRIAL ENGINEERING & OPERATIONS RESEARCH (IEOR) at University of California, Berkeley is leading the search for candidates for a tenure-track faculty position at the Assistant Professor, Associate Professor, or Professor level. The expected start date is July 1, 2016. We are searching for faculty doing fundamental and applied research in data science and decision analytics, with demonstrated applications in the social or management sciences, including such topics as social networks, financial modeling, healthcare, operations, innovation, entrepreneurship, sustainability, or social media.

A wide variety of academic backgrounds will be considered. Applicants for the assistant professor position must, at a minimum, be in the process of completing a doctoral dissertation or an equivalent degree at the time of application. Applicants for the associate or full professor position must hold a PhD or equivalent degree at the time of application. A doctorate or equivalent degree in a related field is required by the time of hire. The ideal candidate will have experience using data systems and software to analyze large data sets. The successful candidate will teach in the professional Masters of Engineering program at the Fung

Institute for Engineering Leadership and in IEOR. The position involves teaching at all levels from

undergraduate courses to advanced graduate seminars, and supervision of graduate students. Teaching responsibilities will also include curriculum design and development for the Professional Masters in Engineering (MEng) Degree. Candidates should have the potential to develop a strong record of research, teaching, and service, as well as the interest and ability to pursue industrial interaction and research funding from industrial and/or governmental sources.

The IEOR department offers BA, BS, MS, MEng, and PhD degrees. There is opportunity for collaboration within the department, with faculty in the Haas School of Business, Statistics, other engineering fields, and other disciplines.

To apply, please go to the following link: <http://apptrkr.com/704784> and submit a cover letter, a CV, a statement of research, a statement of teaching interests, a statement of contributions to diversity, one copy of a significant publication, two more pubs of significance (if

any) may also be included in your application materials. Provide contact information for four references. All recommendation letters will be treated as confidential per University of California policy and California state law. Please refer potential referees, including when letters are provided via a third party (i.e., dossier service or career

center), to the UC statement on confidentiality (<http://apo.berkeley.edu/evalltr.html>) prior to submitting their letters.

The deadline to apply is before midnight PDT, January 4, 2016. Applications received after this deadline will not be considered.

The University is committed to excellence through diversity and we seek candidates whose research, teaching, or service has prepared them to contribute to our commitment to diversity and inclusion in higher education. The University is also committed to addressing the family needs of faculty, including dual career couples and single parents. For information about potential relocation to Berkeley, or career needs of accompanying partners and spouses, please visit: <http://ofew.berkeley.edu/new-faculty>. The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, age or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy see: <http://policy.ucop.edu/doc/4000376/NondiscrimAffirmAct>.

For questions regarding this position, please contact Rebecca Pauling, [rpauling@berkeley.edu](mailto:rpauling@berkeley.edu)

### Requirements

- Documents
- Curriculum Vitae
- Cover Letter
- Statement of Research
- Statement of Teaching
- Statement of Contributions to Diversity - Statement addressing past and/or potential contributions to diversity through research, teaching, and/or service.
- Significant Publication
- Significant Publication (Optional)
- Significant Publication (Optional)
- References

4 references required (contact information only)

# Professional Opportunities

Candidates must have a Ph.D. degree in Computer Engineering or a closely related field, be committed to excellence in teaching, and have demonstrated instructional experience. We expect the candidate to be able to teach most of the courses in the undergraduate Computer Engineering curriculum (both hardware and software) and possibly selected graduate courses. The candidates will also have the opportunity to lead undergraduate student research projects and develop new courses and seminars with broad appeal in areas that influence Computer Engineering education.

For more information on the Department of Electrical and Computer Engineering at the University of California visit <http://www.ece.ucdavis.edu/>

Application Instructions:

Visit <https://recruit.ucdavis.edu/apply/JPF00792>

## University of California, Irvine

*Computer Science Department*

*Tenure-Track Assistant Professor Position*

The Department of Computer Science (CS) at the University of California, Irvine (UC Irvine) invites applications for a tenure-track Assistant Professor position. We are particularly interested in candidates with expertise in areas such as Artificial Intelligence, Machine Learning, and Natural Language Processing. Exceptionally qualified more advanced candidates may also be considered for a tenured position.

The department has 46 faculty members and 297 graduate students. Faculty research spans a broad spectrum of areas in CS. Prospective applicants are invited to visit our webpages at <http://www.cs.uci.edu>. Applicants must have an earned Ph.D. or equivalent degree. Screening will begin immediately upon receipt of a completed application. Applications will be accepted until the position is filled, although maximum

consideration will be given to applications received by January 1, 2016. Each application must contain: a cover letter, CV, up to 3 key publications, a statement of research and teaching interests, and 3-5 letters of recommendation. A separate statement that addresses past and/or potential contributions to diversity, equity and inclusion should also be included in the application materials. All materials must be uploaded using the links below.

Tenure-Track Assistant Professors may apply at: <https://recruit.ap.uci.edu/apply/JPF03163>

Tenured Associate Professors may apply at: <https://recruit.ap.uci.edu/apply/JPF03166>

The University of California, Irvine is an Equal Opportunity/Affirmative Action Employer advancing inclusive excellence. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, protected veteran status, or other protected categories covered by the UC nondiscrimination policy. A recipient of an NSF ADVANCE award for gender equity, UCI is responsive to the needs of dual career couples, supports work-life balance through an array of family-friendly policies, and is dedicated to broadening participation in higher education.

## University of California, Los Angeles

*Tenure-Track Faculty Positions*

The Electrical Engineering Department in the Henry Samueli School of Engineering and Applied Science at the University of California, Los Angeles (UCLA) is accepting applications for tenure-track faculty positions. Our primary focus is on tenure-track assistant professors, however distinguished senior-level applicants will also be considered. The Department seeks candidates with a PhD in a related discipline, a strong commitment both to

research and teaching, and an outstanding record of research. The Department is home to numerous state-of-the-art research centers which foster interdisciplinary basic research and collaborations with industry. Successful candidates will be expected to develop an independent and creative research program, participate in both undergraduate and graduate teaching, and supervise PhD students. Salary is commensurate with education and experience.

We will consider excellent candidates in all areas with an emphasis on overall originality and innovation. To help with the evaluation, we would like the candidates to indicate interest/expertise in up to two (2) areas specified on the Department recruitment webpage. See instruction at: <https://eeweb.ee.ucla.edu/facultyApplication>. Also, please indicate your area(s) of interest/expertise on the cover letter.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, age or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy see: UC Nondiscrimination & Affirmative Action Policy at: <http://policy.ucop.edu/doc/4000376/NondiscrimAffirmAct>

The Department is seeking outstanding candidates with the potential for exceptional research, and excellence in teaching, and also a clear commitment to enhancing the diversity of the faculty, graduate student population, and of the majors in Electrical Engineering.

All applications should be submitted via our online submission web site at <https://recruit.apo.ucla.edu/>



# Professional Opportunities

## University of California Merced

### *Four Assistant Professor Positions in Computational Sciences*

University of California Merced is recruiting for four Assistant Professor Positions as part of a cluster hire in the area of Computational Sciences and Data Analytics. Topics of interest include, but are not limited to: Computational Vision: Computational models or analyses in the areas of visual perception, visuomotor coordination, or visual neuroscience; computer/machine vision.

Full details are available at: <https://aprecruit.ucmerced.edu/apply/JPF00276>

## University of California, Merced

### *Four Assistant Professor Positions in Computational Sciences and Data Analytics*

UC Merced is recruiting for four Assistant Professor Positions as part of a cluster hire in the area of Computational Sciences and Data Analytics.

Topics of interest include, but are not limited to: Network Science, from neural and cognitive scales to societal scales, including complex systems, biological networks, social networks, agent-based modeling, social media and large-scale data analytics.

Full details are available at: <https://aprecruit.ucmerced.edu/apply/JPF00276>

## University of California Merced

### *Four Assistant Professor Positions in Computational Sciences and Data Analytics*

University of California Merced is recruiting for four Assistant Professor Positions as part of a cluster hire in the area of Computational Sciences and Data Analytics. Topics of interest include, but are not limited to: Environmental Informatics and Communication: Climate communication, Linguistics, environmental informatics, sentiment analysis, social media analytics,

data visualization, risk and uncertainty, science education, environmental ethics.

Full details are available at: <https://aprecruit.ucmerced.edu/apply/JPF00276>

## University of California Riverside - Cybersecurity

### *FACULTY POSITIONS in Cyber-security Department of Computer Science and Engineering*

#### *Bourns College of Engineering*

The University of California at Riverside (UCR) is embarking on a major new hiring initiative that will add 300 tenured and tenure-track positions in 33 cross-disciplinary areas selected through a peer-reviewed competition. Over the next three years, we will hire multiple faculty members in each area and invest in research infrastructure to support their work. This initiative will build critical mass in vital and emerging fields of scholarship, foster truly cross-disciplinary work and further diversify the faculty at one of America's most diverse research universities. We encourage applications from scholars committed to excellence and seeking to help redefine the research university for the next generation.

The Department of Computer Science and Engineering, University of California, Riverside invites applications for three tenure-track and/or tenured faculty positions in Cyber-security, with particular interest in: (a) operating systems/distributed system security, (b) software security, (c) applied cryptography, and (d) human computer interaction for understanding and improving the security of systems. Senior candidates need to have a strong record of research, teaching, and graduate student mentorship, while junior candidates need to show potential to excel in these areas.

The CSE department offers several undergraduate degrees, as well as MS and Ph.D. degrees in Computer Science.

The Department currently has 25 faculty members, including multiple ACM/IEEE/AAAS Fellows and Young Investigator/NSF CAREER award holders, who pride themselves in combining top quality teaching with cutting edge research. The research projects in the department are funded by federal (NSF, NIH, AFOSR, DoD) or industrial sponsors, with the new awards for 2015/16 exceeding 6 million dollars. More information regarding the department is available at <http://www.cs.ucr.edu>.

UCR is a world-class research university with an exceptionally diverse undergraduate student body. Its mission is explicitly linked to providing routes to educational success for underrepresented and first-generation college students. A commitment to this mission is a preferred qualification.

Advancement through the faculty ranks at the University of California is through a series of structured, merit-based evaluations, occurring every 2-3 years, each of which includes substantial peer input.

Full consideration will be given to applications received by January 2, 2016. We will continue to consider applications until the positions are filled. Salary level will be competitive and commensurate with qualifications and experience. Positions require a Ph.D. in Computer Science (or in a closely related field) at the time of employment. To apply, please register through the weblink at <http://www.engr.ucr.edu/facultysearch/>. For inquiries and questions, please contact us at [search@cs.ucr.edu](mailto:search@cs.ucr.edu).

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, protected veteran status, or any other characteristic protected by law.



# Professional Opportunities

## University of California Riverside

*FACULTY POSITION in BIG DATA MANAGEMENT  
Bourns College of Engineering*

The University of California at Riverside (UCR) is embarking on a major new hiring initiative that will add 300 tenured and tenure-track positions in 33 cross-disciplinary areas selected through a peer-reviewed competition. Over the next three years, we will hire multiple faculty members in each area and invest in research infrastructure to support their work. This initiative will build critical mass in vital and emerging fields of scholarship, foster truly cross-disciplinary work and further diversify the faculty at one of America's most diverse research universities. We encourage applications from scholars committed to excellence and seeking to help redefine the research university for the next generation.

The Bourns College of Engineering is leading cluster hires to enhance UCR's research strengths in Data Science. Five such hires have been approved for the Data Science cluster and will have potential home departments in Engineering or the Sciences. Candidates are expected to foster research collaborations with existing faculty across academic departments working on Data Science related topics (including astronomy, biological sciences, computational biology, environmental sciences, physics, precision agriculture, etc.) This year we are seeking to fill one tenured/tenure-track faculty position from the Data Science cluster, in the area of Big Data Management with emphasis on scalable data management, big data analytics, and scalable data mining. While priority will be given to senior candidates, promising junior candidates will also be considered and are encouraged to apply.

Salary level will be competitive and commensurate with qualifications and experience. A Ph.D. in a relevant area at the time of employment is a minimum

requirement. Senior candidates need to have an outstanding record of research, funding support, teaching, and graduate student mentorship, while junior candidates need to show potential to excel in these areas.

UCR is a world-class research university with an exceptionally diverse undergraduate student body. Its mission is explicitly linked to providing routes to educational success for underrepresented and first-generation college students. A commitment to this mission is a preferred qualification.

Advancement through the faculty ranks at the University of California is through a series of structured, merit-based evaluations, occurring every 2-3 years, each of which includes substantial peer input.

Full consideration will be given to applications received by January 4, 2016. We will continue to consider applications until the position is filled. To apply, please register through the weblink at <http://www.engr.ucr.edu/facultysearch/>. For inquiries and questions, please contact us at [datascienceseach@cs.ucr.edu](mailto:datascienceseach@cs.ucr.edu).

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability protected veteran status, or any characteristic protected by law.

## University of California Riverside

*FACULTY POSITIONS*

*Department of Computer Science and  
Engineering*

*Bourns College of Engineering*

The Department of Computer Science and Engineering, University of California, Riverside invites applications for **two tenure-track and/or tenured faculty positions** to begin in the 2016-17 academic year.

Priority will be given to candidates in the areas of (1) Computer Graphics, Animation, and Gaming, and (2) Software Engineering; however, exceptional candidates in other areas may also be considered. Salary level will be competitive and commensurate with qualifications and experience. A Ph.D. in Computer Science (or in a closely related field) at the time of employment is required. Senior candidates need to have an outstanding record of research, funding support, teaching, and graduate student mentorship, while junior candidates need to show potential to excel in these areas. Advancement through the faculty ranks at the University of California is through a series of structured, merit-based evaluations, occurring every 2-3 years, each of which includes substantial peer input.

The CSE department offers several undergraduate degrees, as well as MS and Ph.D. degrees in Computer Science. The Department currently has 25 faculty members, including multiple ACM/IEEE/AAAS Fellows and Young Investigator/NSF CAREER award holders, who pride themselves in combining top quality teaching with cutting edge research. The research projects in the department are funded by federal (NSF, NIH, AFOSR, DoD) or industrial sponsors, with the new awards for 2015/16 exceeding 6 million dollars. More information regarding the department is available at <http://www.cs.ucr.edu>.

Full consideration will be given to applications received by January 2, 2016. We will continue to consider applications until the positions are filled. To apply, please register through the weblink at <http://www.engr.ucr.edu/facultysearch/>. For inquiries and questions, please contact us at [search@cs.ucr.edu](mailto:search@cs.ucr.edu).

UCR is a world-class research university with an exceptionally diverse undergraduate student body. Its mission is explicitly linked to providing routes to educational success

# Professional Opportunities

for underrepresented and first-generation college students. A commitment to this mission is a preferred qualification.

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## University of California at Riverside

### *Hiring Initiative*

The Electrical and Computer Engineering Department of the Bourns College of Engineering is leading a cluster hire search (3 open rank positions) in the area of Intelligent and Autonomous Embedded Systems. Areas of primary interest include: robotics, autonomy, and computer vision; planning, decision-making, and machine learning; and embedded, networked, and real-time systems. Excellent candidates with theoretical and system-building research experience are desired. Candidates must have published research of the highest quality and demonstrate exceptional promise for, or a proven record of, high quality research and teaching, securing external funding, collaborating across disciplines, and working successfully to benefit a diverse student body.

Details and application materials can be found at [www.engr.ucr.edu/facultysearch](http://www.engr.ucr.edu/facultysearch).

Full consideration will be given to applications received by December 23, 2015. Applications will continue to be accepted until the positions are filled.

EEO/AA/ADA/Vets Employer.

## University of California, Riverside

### *Multiple Positions in Human Neuroimaging*

The University of California, Riverside, invites applications for five positions in human neuroimaging at the Assistant & Associate level. Successful candidates will become core faculty in the newly established Human Neuroimaging Center that includes a new Prisma 3T Siemens scanner. We seek applicants with a strong track record of research publications and funding (or funding potential) in basic science and methods of human neuroimaging with one position in each of the following areas: **Neuroimaging Data Processing/Analysis** (fMRI data processing and analysis, neuroimaging data mining and imaging genetics, MRI computational neuroscience), **MR Physics/Engineering** (MRI sequences and reconstruction, DTI, SWI, hardware, MR spectroscopy), **Human Social Neuroscience** (social cognition, affect, relationships, personality), **Human Developmental Neuroscience** (cognitive development, emotion regulation, lifespan, psychopathology), and **Human Cognitive Neuroscience** (speech/language, learning/memory, attention, perceptual systems).

Applicants should be committed to excellence in undergraduate and graduate education. UCR is a world-class research university with an exceptionally diverse undergraduate student body. Its mission is explicitly linked to providing routes to educational success for underrepresented and first-generation college students. A commitment to this mission is a preferred qualification. Salary will be commensurate with education and experience. Review of completed applications begins January 4, 2016 and continues until a position is filled, with appointments beginning June 30, 2016.

Interested candidates should send a cover letter describing research and teaching interest, their curriculum vitae, preprints

and preprints, and should arrange to have three letters of recommendation provided. Application to senior rank positions must have a Ph.D in a related field, and apply at this link: <https://aprecruit.ucr.edu/apply/JPF00480>. Applicants for junior ranked positions must have a Ph.D. by time of appointment and should apply at this link: <https://aprecruit.ucr.edu/apply/JPF00483>. Advancement through the faculty ranks at the University of California is through a series of structured, merit-based evaluations, occurring every 2-3 years, each of which includes substantial peer input. Questions about the position should be directed to Professor John Andersen, Chair, Human Neuroimaging Search Committee, at [john.andersen@ucr.edu](mailto:john.andersen@ucr.edu).

The University of California at Riverside (UCR) is embarking on a major new hiring initiative that will add 300 tenured and tenure-track positions in 33 cross-disciplinary areas selected through a peer-reviewed competition. Over the next three years, we will hire multiple faculty members in each area and invest in research infrastructure to support their work. This initiative will build critical mass in vital and emerging fields of scholarship, foster truly cross-disciplinary work and further diversify the faculty at one of America's most diverse research universities. We encourage applications from scholars committed to excellence and seeking to help redefine the research university for the next generation. For information regarding UCR's hiring initiative go to [clusterhiring.ucr.edu](http://clusterhiring.ucr.edu).

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# Professional Opportunities

## UC San Diego

### *Design Assistant Teaching Professor*

HCI/Design Assistant Teaching Professor at UC San Diego. 1 position available. Requires teaching, supervising students, & contribute to research on pedagogy.

To view the full advertisement and all necessary application materials please go to <https://apol-recruit.ucsd.edu/apply/JPF00994>.

Appointment to begin 7/1/16; salary commensurate with experience.

Review of applications to begin 12/31/2015.

UCSD is an AA/EOE.

## UCSD Cognitive Science

### *Design or Human-Computer Interaction*

UCSD Cognitive Science seeks to fill position in Design or Human-Computer Interaction. It requires research, teaching, & supervising students. To view the full advertisement and all necessary application materials: Assistant rank <https://apol-recruit.ucsd.edu/apply/JPF00983>; Associate rank <https://apol-recruit.ucsd.edu/apply/JPF00984>.

Appointments will begin 7/1/16; salary is commensurate with experience.

Apply by 12/30/15 for full consideration. UCSD is an AA/EOE.

## University of California San Diego

### *Multiple Positions*

### *Assistant Professor of Computer Science and Engineering*

The UCSD Department of Computer Science and Engineering (CSE) seeks Assistant Professor (tenure-track) faculty positions. Exceptional candidates in all areas will be seriously considered. Our focus this year is on candidates who advance research in data sciences (databases, data mining, machine learning), networked systems,

cyber security, robotics, cognitive robotics and bioinformatics. Across all areas, we have particular interests in candidate who have experience and interest in building real experimental artifacts in their research and/or otherwise advance the emerging areas of "design" in interdisciplinary areas across engineering and social sciences. Appointments in cognitive robotics and design areas will be jointly with the department of Cognitive Sciences. Candidates with experience or willingness to engage in activities that contribute to diversity and inclusion are especially encouraged to apply.

The rank of the positions is at the Assistant Professor level. The department is looking for applicants with outstanding research credentials. Successful applicants are expected to lead a vigorous research program and will be required to teach university students. A Ph.D. or advancement to candidacy in Computer Science & Engineering or related disciplines is required at the time of application. Salary and rank will be commensurate with qualifications in conformance with University of California policies.

We encourage candidates to send applications as soon as possible. Applications received by January 1, 2016 will be given full consideration. However, positions remain open until filled.

To apply, submit the following materials at the website <https://apol-recruit.ucsd.edu/apply/JPF00962>

Please submit a cover letter, curriculum vita, research and teaching statements, contact information to 3 to 5 references to provide letters (the names/addresses, including email address), and a separate statement describing your past experience in activities that promote diversity and inclusion and/or plans to make future contributions. For further information about contributions to diversity statements, see <http://facultyequity.ucsd.edu/Faculty-Applicant-C2D-Info.asp>

## **Lecturer with Security of Employment and Lecturer with Potential of Security of Employment of Computer Science and Engineering**

The LSOE and LPSOE series is a University of California-wide faculty series with many equivalent rights and responsibilities as the more traditional tenured and tenure-track faculty series, but with a stronger emphasis on teaching and scholarly activity related to education than on traditional disciplinary research activities.

The CSE Department seeks applications for a Lecturer with Security of Employment (LSOE, which parallels the position of an associate or full professor with tenure) and/or Lecturer with Potential Security of Employment (LPSOE, which parallels the position of an assistant professor on track for tenure). Successful candidates will be outstanding educators and should provide evidence of effective and innovative undergraduate teaching in computer science and engineering. They should also provide evidence of scholarly activity outside the classroom that has led to advances in computer science and engineering education. In addition to teaching core courses, candidates are expected to lead the development and assessment of new educational initiatives, including applying for grants related to education. The successful candidate will provide guidance, leadership, and innovation for the CSE undergraduate programs, with a specific focus on both adding to the high quality of these programs and on broadening the diversity of the student body in these programs. Candidates are expected to have a Ph.D. degree or advancement to candidacy at the time of application in computer science or a related area.

We encourage candidates to send applications as soon as possible. Applications received by December 1, 2015 will be given full consideration. However, positions remain

# Professional Opportunities

open until filled. Please do your best to submit your complete application package by the Dec 1 priority deadline. However, if this is not possible, please submit as much of the application as you can by this deadline to indicate your intent to submit a full application (so we know your application is coming).

To apply for the Lecturer with Security of Employment (LSOE), please submit the following materials at the website: <https://apol-recruit.ucsd.edu/apply/JPF00958>

To apply for the Lecturer with Potential Security of Employment (LPSOE), please submit the following materials at the website: <https://apol-recruit.ucsd.edu/apply/JPF00921>

A cover letter, curriculum vita, a teaching statement, Statement of Scholarly Activities (which can include research), 3 reference letters, and a separate statement describing your past experience in activities that promote diversity and inclusion and/or plans to make future contributions. For further information about contributions to diversity statements, see <http://facultyequity.ucsd.edu/Faculty-Applicant-C2D-Info.asp>

## Temporary Lecturer of Computer Science and Engineering

The UCSD Department of Computer Science and Engineering (CSE) is seeking one or more temporary lecturers to teach between one and three courses per quarter beginning Winter 2016. Content areas of interest include introductory programming/data structures, theory/algorithms, artificial intelligence, and digital design/computer architecture. It is expected that these courses would be taught at the undergraduate level. Appointments may be full time, part time, quarterly or annual, with the possibility of renewal.

The Jacobs School of Engineering and the Computer Science & Engineering Department at UC San Diego is committed to building an excellent, diverse and inclusive faculty, staff, and student body (<http://www.jacobsschool.ucsd.edu/diversity/>). Candidates with

experience with or willingness to engage in activities that contribute to diversity and inclusion are especially encouraged to apply. Candidates must hold a master's degree in computer science or a related field, and must have demonstrated evidence of effective teaching.

We encourage candidates to send applications as soon as possible. Applications will be reviewed on an ongoing basis, and candidates will be contacted as teaching needs arise. We have needs for instructors in several classes in Winter 2016, and throughout the 2015-16 academic year, and we anticipate that these needs will continue into the following academic year.

To apply, submit the following materials to the website: <https://apol-recruit.ucsd.edu/apply/JPF00957>

A cover letter, curriculum vita, statement that provides evidence of effective teaching, a separate statement describing your past experience in activities that promote diversity and inclusion and/or plans to make future contributions, and a list of at least 3 references who can speak about the applicant's teaching experience and/or content knowledge. For further information about contributions to diversity statements, see <http://facultyequity.ucsd.edu/Faculty-Applicant-C2D-Info.asp>

UCSD is an equal opportunity and affirmative action employer with a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff, see <http://diversity.ucsd.edu>

## University of California Santa Barbara

### Computer Science Department

#### Computer Science Lecturer with Potential for Security of Employment

The Department of Computer Science at the University of California, Santa Barbara seeks applications for a full-time Lecturer with

Potential Security of Employment (similar to tenure-track) in the area of Computer Science with a start date of Fall quarter, 2016.

The primary criterion for this position is teaching ability of exceptional quality, and the promise of future growth. We seek an individual with enthusiasm for teaching undergraduate courses in a variety of areas of computer science, with a breadth of knowledge in computer science and its emerging applications in diverse fields. A successful applicant should be committed to teaching excellence, curriculum leadership and development, and student mentoring, all in collaboration with other faculty. Research, although not required for Lecturer with Security of Employment track positions, is also reviewed when available.

At the University of California, the positions of Lecturer with Potential Security of Employment lead to security of employment (similar to tenure), and are faculty positions designed to meet the long-term instructional needs of the University. Individuals appointed into this title engage in teaching, professional activities, and University and public service. The position is to begin with the 2016-17 academic year, and salary will be commensurate with experience.

A Ph.D. degree in Computer Science, Computer Engineering or a related field is required. Preference will be given to candidates with a demonstrated record of teaching excellence. Applications should include a cover letter, curriculum vitae, teaching statement (2-page limit), and 3 reference letters.

Applications must be submitted electronically at: <https://recruit.ap.ucsb.edu/apply/JPF00636>

Applications received by February 1, 2016 will be given priority consideration, but the position will remain open until filled. Candidates are urged to learn more about UCSB Computer Science Department at <http://www.cs.ucsb.edu>.



# Professional Opportunities

The department is especially interested in candidates who can contribute to the diversity and excellence of the academic community through research, teaching and service. The University of California is an Equal Opportunity/Affirmative Action Employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law.

## University of California, Santa Cruz

### *Position in Mobile and Pervasive Computing*

The Department of Computer Engineering at the University of California, Santa Cruz invites applications for a position in Mobile and Pervasive Computing at the Assistant Professor level. Applicants should be able to contribute to research and teaching in areas relevant to mobile and pervasive computing, networking, and cyber-physical systems. We have a preference for candidates with expertise in mobile devices, embedded sensors and mixed signal systems, and the Internet of Things (IoT).

Applicants must have a Ph.D. or equivalent foreign degree in Computer Engineering, Computer Science, Electrical Engineering, or closely related field expected to be conferred by June 30, 2016.

The official position description is available at [http://apo.ucsc.edu/academic\\_employment/jobs/JPF00293-16.pdf](http://apo.ucsc.edu/academic_employment/jobs/JPF00293-16.pdf)

## University of Canterbury

### *Lecturer in Software Engineering*

#### *Department of Computer Science and Software Engineering*

We invite applications for a continuing Lecturer position in Software Engineering. The Universities in New Zealand do not have

a tenure system; this position is continuing (i.e. permanent) upon appointment.

The successful applicant will be expected to develop a strong research portfolio, teach into the Department's Software Engineering courses, as well as participate in Departmental and University administration. Our core, taught Software Engineering

courses include team-based, project-oriented software development using object-oriented technologies (such as Java) and Agile practices.

The Department and University will assist in the development of a successful research programme and teaching portfolio through start-up research funding, lecturing/teaching



# UC SANTA CRUZ

## Assistant Professor, Computational Media

The Computational Media Department at the University of California, Santa Cruz (UCSC) invites applications for a tenure track Assistant Professor faculty position. We seek outstanding applicants with an established record of research in the area of generative methods, ideally connecting novel technology research with practices of design and/or interpretation. Applicants should have an established research record in one or more aspects of generative methods, including (but not limited to): procedural content generation for games (levels, art assets, non-player character AI, virtual worlds, etc.), procedural generation of complete games or game-like experiences, computational creativity, procedural computer graphics techniques, mixed initiative creativity support systems, artificial life and artificial life based media experiences, computational cinematography, computational arts and crafts, parametric design, generative music for games or computational media experiences, procedural generation of language or narrative in media experiences.

The faculty member in this position will be expected to develop a research program, advise graduate students in their research area, obtain external funding, develop and teach courses (including technically oriented courses) within the undergraduate and graduate curriculum, and perform university and professional service. The successful candidate must be able to work with students, faculty and staff from a wide range of social and cultural backgrounds. We are especially interested in candidates who can contribute to the diversity and excellence of the academic community through their teaching, research, and/or service.

**BASIC QUALIFICATIONS:** Ph.D. or equivalent foreign degree in Computer Science, Digital Media, Human Computer Interaction, Computer Games, Computational Media or other relevant field, expected to be conferred by June 30, 2016; demonstrated record of research; and, teaching experience (demonstrated by college level teaching experience, TA experience, research presentations and/or professional training seminars)..

**POSITION AVAILABLE:** July 1, 2016, with academic year beginning September 2016. Ph.D. must be conferred by June 30, 2017 for employment beyond that date.

**TO APPLY:** Applications are accepted via the UCSC Academic Recruit online system, and must include a letter of application, curriculum vitae, a statement of research plans, a statement of teaching interests, 3-5 selected publications, and 3-4 confidential letters of reference.\* Applicants are invited to submit a statement addressing their contributions to diversity through research, teaching, and/or service. Documents/materials must be submitted as PDF files.

Apply at <http://apptrkr.com/685026>

Refer to Position #JPF00317-16 in all correspondence.

**CLOSING DATE:** Review of applications will begin on January 8, 2016.

The University of California, Santa Cruz is an Affirmative Action/Equal Employment Opportunity Employer.



# Professional Opportunities

training and mentoring. For more information on the Department, visit: [www.cosc.canterbury.ac.nz](http://www.cosc.canterbury.ac.nz). To informally discuss this post please contact the Head of Department, Austen Rainer at [austen.rainer@canterbury.ac.nz](mailto:austen.rainer@canterbury.ac.nz).

For the full position description and details on how to apply visit <http://www.canterbury.ac.nz/joinus>

**The closing date for this position is: 8 February 2016 (NZ time)**

## University of Central Florida

*Institute for Simulation & Training*

*Two Tenure-Track Positions in Modeling & Simulation [Simulation and Training; Network Science]*

The University of Central Florida's Institute for Simulation & Training (IST) is accepting applications for two 9-month, tenure track assistant, associate or full professor positions for our Modeling, Simulation & Training (MST) graduate program (<http://www.ist.ucf.edu/grad>), to begin in August 2016. We are seeking one assistant professor and one associate professor, but will consider exceptional candidates for appointment at the level of professor. We seek applicants with a demonstrated record of rigorous research and scholarship, a record of external grant funding, and excellence in teaching (especially the training of graduate students) across a broad range of topics and regions. Relevant disciplines include, but are not limited to, Computer Science, Human-Computer Interaction, Psychology, Cognitive Science, Applied Statistics, Informatics, Management of Information Systems, Communication, Sociology, Economics, or other social or technical sciences with emphases on MST.

For more information about this position, see <http://www.jobswithucf.com/postings/43991>. For more information about the UCF Institute for Simulation & Training, see <http://www.ist.ucf.edu/>.

*UCF is an equal opportunity/affirmative action employer. All qualified applicants are encouraged to apply, including minorities, women, veterans and individuals with disabilities. As a Florida public university, UCF makes all application materials and selection procedures available to the public upon request.*

## University of Central Florida

*Leader for Faculty Cluster in Cyber Security and Privacy*

The University of Central Florida (UCF) is hiring 100 new faculty members to join us in Fall 2016. As part of this hiring campaign, UCF recently established six interdisciplinary clusters to strengthen its academic offerings



# UC SANTA CRUZ

## Baskin School of Engineering

### Assistant Professor in Economic and Information Networks

#### Department of Technology Management

The Baskin School of Engineering (BSOE) at the University of California, Santa Cruz (UCSC) invites applications for a tenure track position in the Technology Management Department at the Assistant Professor level. We seek outstanding candidates who do empirical and/or analytical fundamental research in information economics, network science, computational advertising or marketing analytics, mechanism design, or computational/algorithmic economics.

**RANK:** Assistant Professor

**SALARY:** Commensurate with qualifications and experience; academic year (9-month) basis

**BASIC QUALIFICATIONS:** A Ph.D. or equivalent foreign degree in relevant field listed above, expected to be conferred by June 30, 2016; demonstrated record of research and teaching in higher education.

**POSITION AVAILABLE:** July 1, 2016, with academic year beginning September 2016. Ph.D. must be conferred by June 30, 2017 for employment beyond this date.

**TO APPLY:** Applications are accepted via the UCSC Academic Recruit online system, and must include: 1) letter of application; 2) curriculum vitae; 3) research statement; 4) teaching statement; 5) 1-3 publications; 6) 3-5 confidential letters of reference\*. Applicants are invited to submit a statement addressing their contributions to diversity through research, teaching, and/or service. Documents/materials must be submitted as PDF files.

For full job announcement and to apply, visit: <http://apptrkr.com/692157>  
Refer to Position #JPF00321-16 in all correspondence

**CLOSING DATE:** Review of applications will begin on January 5, 2016. To ensure full consideration, applications should be complete and letters of recommendation received by this date. The position will remain open until filled, but not later than 6/30/2016.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, or protected veteran status. UC Santa Cruz is committed to excellence through diversity and strives to establish a climate that welcomes, celebrates, and promotes respect for the contributions of all students and employees. Inquiries regarding the University's equal employment opportunity policies may be directed to: Office for Diversity, Equity, and Inclusion at the University of California, Santa Cruz, CA 95064; (831) 459-2686.

# Professional Opportunities

and research mission. In support of this effort, we are recruiting faculty in the broad area of cyber security and privacy. To begin this process we will hire a tenured (or tenure-track) associate or full professor to lead the cyber security and privacy cluster. This position has a start date of Fall 2016.

This will be an interdisciplinary position that will be expected to strengthen both a chosen tenure home department and a possible combination of joint appointments. A strong advantage of this position is the ability of the candidate to choose a combination of units from the cluster for their appointment. (See <http://www.ucf.edu/research/cyber> for a complete list of all the units involved.) Both individual and interdisciplinary infrastructure and startup support will be provided with this new position.

The ideal candidate will have a strong background in cyber security and privacy, and will be recognized for leadership in this area and research impact, as reflected in a sustained record of high quality publications and external funding. We are looking for a leader to bring together all the current campus efforts in cyber security and privacy, and to play a key role in hiring four additional faculty that will constitute the cluster's core expertise in this area. These four additional cluster hires will happen in the 2016-17 academic year. The cluster includes core members from Computer Science, Electrical and Computer Engineering, Industrial Engineering and Management Systems, the Institute for Simulation and Training, Political Science, Psychology, and Statistics, and affiliated members from several other departments. This cluster will be the focal point of the University's research and educational efforts in cyber security and privacy.

Applicants must have a Ph.D. from an accredited institution in an area appropriate to the cluster, and a record of high impact research related to cyber security

and privacy demonstrated by a strong scholarly record and significant amount of sustained funding. A history of working with teams, especially teams that span multiple disciplines, is a strongly preferred qualification. The position will carry a rank of (full) professor, or associate professor commensurate with the candidate's prior experience and record.

Located in Orlando, UCF is one of the nation's most dynamic metropolitan research universities. UCF has the top-tier Carnegie Foundation designation of a "very high research activity" university, is the nation's second-largest university, and is ranked by U.S. News and World Report as among the top up-and-coming universities in terms of innovative changes in the areas of academics, faculty, and student life. UCF's Orlando location also puts it at the center of the Florida High Tech Corridor. The corridor has an excellent industrial base that includes: software, defense, space, simulation and training, and a world-renowned entertainment industry. Adjacent to UCF is a thriving research park that conducts over \$2 billion in funded research, hosting more than 100 high-technology companies and UCF's Institute for Simulation and Training. The Central Florida area is designated by the State of Florida as the Center of Excellence in Modeling and Simulation. UCF also has an accredited medical school, which was established in 2006. UCF is a neighbor to large corporations, such as Disney, Harris Corporation, Lockheed Martin, Siemens, and many others, all of which have a strong interest in cyber security and privacy. Great weather, easy access to the seashore, one of the largest convention centers in the nation, and one of the world's best airports are just a few features that make Orlando an ideal location.

Candidates must apply online at <http://www.jobswithucf.com/postings/43416> (Position #37317) and attach the following materials: a cover letter, curriculum vitae, teaching

statement, research statement, and contact information for three professional references. In the cover letter candidates should address their background in cyber security and privacy, and should identify the department for their potential tenure home and the joint appointments they would desire.

UCF is an Equal Opportunity/Affirmative Action employer. All qualified applicants are encouraged to apply, including minorities, women, veterans and individuals with disabilities. As a Florida public university, UCF makes all application materials and selection procedures available to the public upon request.

For more information about these positions please contact the Cluster Search Chair, Gary T. Leavens, at [Leavens@ucf.edu](mailto:Leavens@ucf.edu).

## University College London

### *Computer Science*

#### *Lecturer/Senior Lecturer/Reader in Computer Systems and Networking*

The Department of Computer Science at University College London (UCL) invites applications for a faculty position (Lecturer/Senior Lecturer/Reader) in the areas of Computer Systems and Networking. We seek world-class talent; candidates must have an outstanding research track record.

Areas of interest for this position include operating systems, systems security, distributed systems, networking, and their intersection, with an emphasis on experimental system-building. Appointments will be made at the level of Lecturer, Senior Lecturer, or Reader (equivalent to Assistant Professor, Junior Associate Professor, and senior Associate Professor, respectively, in the US system), commensurate with qualifications.

Candidates must hold an earned Ph.D. in Computer Science or a closely related field by the time they begin their appointment. They will be evaluated chiefly on the

# Professional Opportunities

significance and novelty of their research to date, and their promise for leading a group in a fruitful program of research. They must also demonstrate a zest for innovative and challenging teaching at the graduate and undergraduate levels. A proven record of ability to manage time and evidence of ability to teach and to supervise academic work by undergraduates, masters, and doctoral students are desirable. Our department is a highly collaborative environment, and we seek future colleagues who enjoy working collaboratively. Candidates should further be committed to public communication, and to UCL's policy of equal opportunity, including working harmoniously with colleagues and students of all cultures and backgrounds.

Candidates seeking appointment at Senior Lecturer level must have experience in developing a new course. To be appointed at Reader-level (Grade 9) candidates should have shown leadership in their field as well as having an established research record. The appointment will be full time on UCL Grade 8/9. Plus a Networks specialism market supplement of £20,000 per annum.

**For further details about the vacancy and how to apply on line please go to <http://www.ucl.ac.uk/hr/jobs/> and search on Reference Number: 1522730**

Questions about this vacancy may be directed to Professor Brad Karp (Head of Systems and Networks Research Group, [b.karp@cs.ucl.ac.uk](mailto:b.karp@cs.ucl.ac.uk)), or Professor John Shawe-Taylor (Head of Department, [j.shawe-taylor@ucl.ac.uk](mailto:j.shawe-taylor@ucl.ac.uk)).

Closing Date: Friday 15th January 2016  
Latest time for the submission of applications: 23:59.

Interview Date: TBC

We particularly welcome female applicants and those from an ethnic minority, as they are under-represented within UCL at this level.

**UCL Taking Action for Equality**

## University of Colorado Boulder

### *Multiple Tenure-Track Positions*

The newly established Department of Information Science in the College of Media, Communication and Information at the University of Colorado Boulder seeks outstanding candidates for multiple tenure-track positions at all ranks. Successful candidates will help shape the future of Information Science—as a Department and as a discipline—and support the growth trajectory of the new College. The Department takes a progressive approach to the discipline of Information Science, focusing on human-data interaction in all its diverse forms and contexts.

The roster of the Department's founding faculty reveals a diversity of backgrounds and interests that constitutes a shared commitment to progressive visions of Information Science. Our current faculty have training in multiple disciplines that include Cognitive Science, Computer Science, Computer-Supported Cooperative Work, Data Science, Education, Human-Computer Interaction, Humanities, Informatics, Law, Media Studies, and Psychology. The Department of Information Science collaborates extensively with the Department of Computer Science and is a member of the campus-wide Human-Centered Computing community.

Candidates must have a Ph.D. in Information Science, Computer Science, or a related discipline. Candidates must show evidence of or an ability to develop an independent research program; a commitment to teaching; a desire to direct their scholarly interests toward the discipline of information science; and a desire to contribute to a rapidly expanding institutional environment. We direct applicants to the full-length version of the call (<http://www.jobsatcu.com:80/postings/107999>) for additional information. Applications will be evaluated beginning November 2, 2015. The search will continue until positions are filled.

CU-Boulder is a research university with about 25,000 undergraduates and 6,000 graduate students. Located at the base of the Rocky Mountains yet only 27 miles from Denver, Boulder is frequently named one of the most desirable places in the US to live.

Application materials are accepted electronically at <http://www.jobsatcu.com:80/postings/107999>, job number #F02925. The University of Colorado is an Equal Opportunity/Affirmative Action employer.

## UCCS College

### *Two Tenure-Track Assistant Professor Positions*

The UCCS College of Engineering and Applied Science (EAS) is seeking applications for two tenure-track Assistant Professor positions in the Department of Computer Science, one in the area of network & system security and one in the area of security related systems (e.g., CPS/IOT). EAS is nationally ranked and offers Bachelors, Masters, and PhD degrees.

For position descriptions, please visit <http://www.uccs.edu/cs/faculty-openings.html>. Please excuse us while we improve our career site. To submit your application prior to December 5th, visit [www.jobsatcu.com](http://www.jobsatcu.com). To submit your application after December 5th, visit [www.cu.edu/cu-careers](http://www.cu.edu/cu-careers).

## UConn

### *Computer Science & Engineering Department*

#### *Assistant/Associate/Full Professor*

The University of Connecticut invites applications for two nine-month, tenure-track faculty positions in the Computer Science & Engineering Department.

For full job description please visit our website at <http://www.cse.uconn.edu/current-job-listings/>

UConn is an EEO/AA Employer.

# Professional Opportunities

## University Of Dayton

### Computer Science Department

#### Tenure Track

The Department of Computer Science at the University of Dayton invites applications for the position of Tenure Track Assistant Professor starting August 16, 2016. We seek an expert committed to excellence in undergraduate and graduate education who also has a focus on research. The individual holding this position is expected to teach undergraduate and graduate courses, advise and mentor students, and pursue an externally funded research program.

**Required Qualifications:** Applicant must have completed all course work necessary for a Ph.D. in Computer Science or closely related field; potential for quality teaching; potential for scholarly research in cybersecurity or interactive media; and must be committed to excellence in undergraduate and graduate education with a focus on research.

**Preferred Qualifications:** Ph.D. in Computer Science; research or professional experience in cybersecurity or interactive media.

For a full description of the position, list of preferred qualifications and to apply online, see <http://jobs.udayton.edu/postings/18201>

A complete application consists of a cover letter, CV, unofficial undergraduate and graduate transcripts, statement addressing teaching philosophy, and research plans. Three letters of recommendation are also required for a complete application. Review of applications will begin November 30, 2015, and will continue until the position is filled.

The University of Dayton, founded in 1850 by the Society of Mary, is a top ten Catholic research university. The University seeks outstanding, diverse faculty and staff who value its mission and share its commitment to academic excellence in teaching, research and artistic creativity, the development of the whole person, and

leadership and service in the local and global community.

To attain its Catholic and Marianist mission, the University is committed to the principles of diversity, inclusion and affirmative action and to equal opportunity policies and practices. As an Affirmative Action and Equal Opportunity Employer we will not discriminate against minorities, females, protected veterans, individuals with disabilities, or on the basis of sexual orientation or gender identity

## University of Delaware

### Department of Computer and Information Sciences

#### Tenure-Track Assistant Professor in Networking

Applications are invited for a tenure-track assistant professor position in Networking and associated research areas to begin Fall 2016. Applicants should hold a Ph.D. or its equivalent. We seek ambitious, innovative individuals, who have demonstrated excellence in research and drive to become leaders in their fields while engaging in high-quality teaching and mentoring.

The Department has 24 tenure-track, 3 teaching, and 5 research faculty members, about 130 graduate students and 250 undergraduate students. We have significant external funding, including grants from NSF, NIH, DOE, Army, and Air Force. The wide array of departments, centers and institutes affiliated with the University, e.g., Delaware Biotechnology Institute ([www.dbi.udel.edu](http://www.dbi.udel.edu)), Center for Bioinformatics & Computational Biology ([bioinformatics.udel.edu](http://bioinformatics.udel.edu)), UD Cybersecurity Initiative ([csi.udel.edu](http://csi.udel.edu)), Institute for Financial Services Analytics (<http://www.lerner.udel.edu/centers/ifsa>), and Army CECOM Research Development and Engineering Center at Aberdeen Proving Ground ([www.cerdec.army.mil](http://www.cerdec.army.mil)) offer ample opportunities for inter-disciplinary collaboration.

One of the oldest institutions of higher education in this country, the University of Delaware today ranks among the nation's top 100 universities in federal R&D support for science and engineering. The University is a Land-Grant, Sea-Grant, and Space-Grant institution, and its beautiful 100-acre central campus is located halfway between Washington, DC and New York City. The recently rehabilitated 272-acre Science, Technology and Advanced Research (STAR) Campus and the new state-of-the-art 194,000-square-foot Interdisciplinary Science and Engineering (ISE) Laboratory offer a wealth of options for related research and teaching. More information about the Department and the University is available at <http://www.cis.udel.edu> and <http://www.udel.edu/aboutus/>, respectively.

Applications should include a cover letter (addressed to Dr. Keith Decker, Faculty Search Committee Chair), a vita, a list of references with contact information, a statement on research and a statement on teaching. The committee will begin reviewing applications on January 1, 2016 and will continue until the position is filled.

To submit applications please visit <http://apply.interfolio.com/32786>

#### Equal Employment Opportunity

The University of Delaware is an Equal Opportunity Employer which encourages applications from minority group members, women, individuals with a disability and veterans. The University's Notice of Non-Discrimination can be found at <http://www.udel.edu/aboutus/legalnotices.html>. Employment offers will be conditioned upon successful completion of a criminal background check. A conviction will not necessarily exclude you from employment.



# Professional Opportunities

## University of Georgia

### *Tenure-Track Assistant Professor Position*

The Department of Computer Science at the University of Georgia invites applications for a tenure-track assistant professor position, starting August 2016. Applicants should hold a PhD in Computer Science or closely related field, have a strong research record, and be committed to excellence in both research and teaching.

We are especially interested in candidates with research background in Data and Communications Privacy. Highly qualified applicants in other areas related to Computer Security and Privacy will also be considered. We currently have three successful faculty members working in the Cybersecurity area, with focus on Systems and Network Security. The ideal candidate for this position will complement and further strengthen our department's research and education efforts in Computer Security and Privacy.

This position is part of the UGA President's Informatics Hiring Initiative. The position offers a competitive salary, a generous startup package, and a very generous pre-tenure teaching load, allowing the successful candidate to establish an innovative and highly productive research program. Nine new faculty members will be hired this year through this Hiring Initiative.

UGA is currently establishing the Georgia Informatics Institute for Research and Education, which aims to strengthen research and education in informatics and information security across the entire University. Additional information about the Georgia Informatics Institute can be found at the following link: <http://columns.uga.edu/news/fulltext/georgia-informatics-institute-for-research-education-takes-shape/>

Computer Science is a growing and congenial department of 23 faculty within the Franklin College of Arts and Sciences. The department has nearly 750 undergraduate and over

150 graduate students and offers the B.S., M.S., and Ph.D. degrees in CS. The teaching load allows for substantial concentration on research. In addition to the areas in which we are recruiting, our faculty cover a broad range of research interests, including distributed information systems, real-time systems, databases, vision and image processing, theory, algorithms, bioinformatics and bio-imaging, simulations, computational science, parallel and distributed computing, and artificial intelligence.

The University of Georgia (<http://uga.edu/>), founded in 1785, is the oldest land-grant university in the nation and the largest university in Georgia ([exploregeorgia.com](http://exploregeorgia.com)), with a student body of over 34,000. It is located in Athens (<http://www.visitathensga.com/>) a charming and historic university town of about 100,000, approximately 65 miles from Atlanta, with mild winters and warm summers. The University boasts a major Performing Arts Center and has one of the largest student athletic recreation facilities in the US. It has been consistently ranked among the top 20 public universities by U.S. News and World Report.

To apply, please go to <http://facultyjobs.uga.edu/postings/372>

Please upload a cover letter, curriculum vitae, and short statements of research interests and teaching philosophy (a single PDF is preferable). Please provide contact information (email) for three references.

Review of candidates will begin on December 01, 2015 and will continue until the position is filled. Please see <http://www.cs.uga.edu> for more information about the department and the university.

The Franklin College of Arts and Sciences, its many units, and the University of Georgia are committed to increasing the diversity of its faculty and students, and sustaining a work and learning environment that is inclusive. Women, minorities, protected veterans and individuals with disability are encouraged to

apply. The University of Georgia is an EEO/AA institution, and does not discriminate based on race, color, religion, sex, sexual orientation, gender identity, national origin, disability, or protected veteran status.

## University of Georgia

### *Tenure-Track Faculty Position in Engineering Informatics and Applied Big Data-Enabled Systems*

The Department of Computer Science and the College of Engineering at the University of Georgia invite applications for a tenure-track assistant professor position, starting in August 2016.

Specific areas of interest include, but are not limited to, applied big data management analytics and visualization, high performance computing, mobile and sensor-based informatics, Internet of Things, human-computer interfaces, and applied systems security and privacy. Candidates should have a Ph.D. degree in Computer Science, Computer Engineering or related fields.

To apply, please go to <http://facultyjobs.uga.edu/postings/416>

## University of Guelph

### *School of Engineering*

#### *Position in Computer Engineering*

The School of Engineering invites applications from outstanding individuals for the following position at the Assistant or Associate Professor level.

#### **Computer Engineering (Computer Architecture)**

The University of Guelph, School of Engineering seeks outstanding candidates for a tenure track assistant/associate professor position in the discipline of computer engineering.

The successful candidate is expected to contribute to the development of academic and research programs and to



# Professional Opportunities

contribute to the research community. To be considered for this position applicants **must have a bachelor degree in computer engineering** and have earned a doctorate degree in electrical or computer engineering or related field; have an outstanding research and publication record in high-impact journals; and have teaching experience at the university level. The research areas of interest to the development of our computer engineering program in the School of Engineering are: advanced computer architectures and high-performance computing; multiple-core microprocessor architectures; and massively parallel architectures.

Qualified applicants for this position will be expected to teach core engineering undergraduate and graduate courses, develop a nationally and internationally recognized research program funded by external funding sources and provide service to the University and the engineering profession.

Applicants must demonstrate excellent research potential as well as strong undergraduate teaching interest and ability, and will be expected to mentor graduate students and provide service within and external to the University. Post-doctoral academic/industrial research experience is desired. Preference will be given to the candidate who will combine excellence in teaching with a demonstrated capacity to conduct novel, interdisciplinary research that will expand and complement our current research strengths.

The School has particular strength and emphasis in design and therefore candidates with strengths in design are desirable. Eligibility for registration as a Professional Engineer in the Province of Ontario **is a requirement** of these positions at the time of hiring.

The University of Guelph has well-established and accredited undergraduate and graduate

degree programs in Biological Engineering, Biomedical Engineering, Computer Engineering, Engineering Systems and Computing, Environmental Engineering, Mechanical Engineering, and Water Resources Engineering. At present the School is comprised of over 45 faculty members, 25 staff and technicians, 1600 undergraduate students and 200 graduate students.

The City of Guelph is known for its educational and cultural life and has often been rated as one of the best cities to live in Canada. It is surrounded by rolling farmland, possesses an excellent public transit system and a wide variety of housing possibilities. The City is within easy driving distance of Metropolitan Toronto and recreational areas, from the Niagara wine region to Lake Huron and the ski hills of Collingwood.

Applications will begin to be reviewed on January 29th, 2016 with the hiring process continuing until the position is filled.

Interested applicants should send a CV, statement of teaching vision, a statement of research and development vision and the contact points for five references to the address below. Position is subject to final budgetary confirmation. Please state in the subject line of your email the position title you are applying for.

The Director,  
School of Engineering,  
University of Guelph,  
Guelph, Ontario, Canada N1G 2W1  
[mecheng@uoguelph.ca](mailto:mecheng@uoguelph.ca)  
FAX: 519-836-0227

All qualified candidates are encouraged to apply; however, Canadian and permanent residents will be given priority.

The University of Guelph is committed to equity in its policies, practices, and programs, supports diversity in its teaching, learning and work environments, and ensures that applications for members of underrepresented groups are seriously considered under

its employment equity policy. All qualified individuals who would contribute to the further diversification of our University community are encouraged to apply.

## University of Houston - Computer Science

*Department of Computer Science*

*Tenure Track Faculty Position Announcement*

The Department of Computer Science at the University of Houston ([www.cs.uh.edu](http://www.cs.uh.edu)) invites applications for tenure-track faculty positions at the Assistant Professor level starting in Fall 2016. Senior applicants will also be considered at an appropriate rank. The department is in a phase of significant growth in sponsored research and faculty size. We invite applications from outstanding candidates in all areas. In particular, the following research areas will be given priority: Computer and Information Security and Software Engineering; Applicants should hold a doctoral degree in Computer Science, Computer Engineering, or a closely related field.

The department places a strong emphasis on research and the Ph.D. program with world- renowned research groups in Computer Systems (cyber-physical systems, networks, real-time systems, security), Data Analytics (algorithms for big data, data mining, database systems, information retrieval, machine learning, natural language processing), Medical Computing (biomedical image analysis, computational physiology, medical robotics), Visual Computing and Biometrics (graphics, gaming, visualization, computer vision), and Parallel and Distributed Computing (algorithms, theory, programming, and environments). Recently, the University of Houston has been named a Center of Academic Excellence for Cyber Defense Research and has been selected to lead the Center of Excellence for Borders, Trade and Immigration Research by the Department of Homeland Security.

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The University of Houston is located in one of the most vibrant metropolitan areas. It was recently classified as a Tier-One university with very high research activity by the Carnegie Foundation and is listed as one of the nation's best institutions for undergraduate education by the Princeton Review. Houston, the 4th largest U.S. city, is the epicenter of the energy industry, features the largest medical center in the world, and hosts the Johnson Space Center. Houston is a fast growing, multi-cultural, diverse and affordable city known for museums, art events, and sports teams.

Candidate screening will begin on December 1, 2015 and to ensure full consideration applications must be received by January 16, 2016. Applicants should submit their Curriculum Vitae, research and teaching statements, and up to two representative publications. Junior candidates should arrange for at least three professional references while senior candidates should provide at least five. To apply visit: <http://jobs.uh.edu/postings/27965>

The University of Houston is an equal opportunity/affirmative action employer. Minorities, women, veterans, and persons with disabilities are encouraged to apply.

## University of Illinois at Chicago

### *Department of Computer Science Computer Security Faculty Positions*

The University of Illinois at Chicago Computer Science Department invites applications for one or more tenure-track positions in cybersecurity, broadly defined, at the rank of Assistant Professor. Exceptional candidates at other ranks may also be considered. Candidates in related areas such as programming languages and compilers, computer systems and software engineering whose research has a strong connection to cybersecurity are also encouraged to apply.

The University of Illinois at Chicago (UIC) is ranked fourth among US Universities under 50 years old. The Computer Science department has recently grown to 29 tenure-track faculty, and offers BS, MS, and PhD degrees. Our faculty includes 11 NSF CAREER award recipients. UIC is an excellent place for interdisciplinary work—with the largest medical school in the country and faculty engaged in several cross-departmental collaborations with health sciences, social sciences and humanities, urban planning, and the business school.

Our faculty have a broad range of research interests in fundamental and practical aspects of cybersecurity. Key research areas include the security of cyber-physical systems, web and mobile applications, operating systems, applications and network security, cryptography and protocols, online fraud detection, privacy and information flow including privacy-preserving data management and mining, and technology policy. Our research is funded by grants from NSF, DARPA, AFOSR, ONR, and DHS and our annual research expenditures for cybersecurity are at \$1.5M. Our research program is complimented by a strong educational program with federally funded fellowships at the BS, MS, and PhD levels, including one of the country's three IGERT programs in cybersecurity.

Chicago epitomizes the modern, livable, vibrant city. Located on the shore of Lake Michigan, it offers an outstanding array of cultural and culinary experiences. As the birthplace of the modern skyscraper, Chicago boasts one of the world's tallest and densest skylines, combined with an 8100-acre park system and extensive public transit and biking networks. Its airport provides daily non-stop flight service to about 150 US cities and 50 international destinations. Yet the cost of living—whether in a 99th floor condominium downtown or on a tree-lined boulevard in one of the nation's finest school districts—is surprisingly low.

Applications must be submitted at <https://jobs.uic.edu/>. Please include a CV, teaching and research statements, and names and addresses of at least three references in the online application. For full consideration, applications must be received by Jan 3rd, 2016. Applicants needing additional information may contact the Faculty Search Chair for Security at [security-search@cs.uic.edu](mailto:security-search@cs.uic.edu).

The University of Illinois is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply.

## University of Illinois at Chicago

### *Department of Computer Science Data Science/Human-Computer Interaction Faculty*

The Computer Science Department at the University of Illinois at Chicago (UIC) invites applications for multiple full-time tenure-track positions at the rank of Assistant Professor (exceptional senior level candidates will also be considered). All candidates must have a doctorate in Computer Science or a related field by the starting date of the appointment. Candidates will be expected to conduct world class research, collaborate with faculty from a wide range of disciplines, and teach effectively at the undergraduate and graduate levels. Senior candidates must have an outstanding research record, a strong record of funded research, demonstrated leadership in collaborative research, and an excellent teaching record at the undergraduate and graduate level.

This search seeks candidates in the following two areas. Please clearly indicate for which one of those areas you wish to be considered. Exceptional candidates from closely related areas may also be considered.

**Data Science.** Research spanning all aspects of scalable information retrieval, data management, and data integration are of particular interest.

# Professional Opportunities

**Human-Computer Interaction.** Research spanning all areas of humans interacting with computers, ubiquitous computing, wearable technology, computer-supported cooperative work (CSCW), and crowdsourcing.

The University of Illinois at Chicago (UIC) ranks is ranked 4th best U.S. University under 50 years old by Times Higher Education. The Computer Science department has 29 tenure-track faculty and offers BS, MS and PhD degrees. Our faculty includes 11 NSF CAREER award recipients. UIC has an advanced networking infrastructure in place for data-intensive scientific research that is well-connected regionally, nationally and internationally.

Chicago epitomizes the modern, livable, vibrant city. Its airport is the second busiest in the world, with frequent non-stop flights to virtually anywhere. Yet the cost of living, whether in an 88th floor condominium downtown or on a tree-lined street in one of the nation's finest school districts, is surprisingly low.

Applications must be submitted at <https://jobs.uic.edu/> for the [Data Science/Human-Computer Interaction](#) search. Please include a curriculum vitae, teaching and research statements, and names and addresses of at least three references in the online application. Applicants needing additional information may contact the Faculty Search Chair at [DS\\_HCI-search@cs.uic.edu](mailto:DS_HCI-search@cs.uic.edu). For fullest consideration, apply by January 4, 2016, but applications will be accepted until the positions are filled. The University of Illinois is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply.

## University of Illinois at Chicago

*Department of Computer Science*

*Non-Tenure Track Teaching Faculty - Computer Science*

The Computer Science Department at the University of Illinois at Chicago is seeking a full-time teaching faculty member beginning fall 2016. This is a long-term, career-oriented position with the possibility of advancement through the university's Clinical track. The department is committed to effective teaching, and candidates would be working alongside seven full-time teaching faculty with over 100 years of combined teaching experience and 11 awards for excellence in teaching. The department is looking for candidates dedicated to teaching; candidates must have evidence of effective teaching, or present a convincing case of future dedication and success in the art of teaching. Content areas of interest include introductory programming/data structures, theory/algorithms, computer systems, databases, software design, and web development. The teaching load is three undergraduate courses per semester, with a possibility of teaching at the graduate level if desired.

The University of Illinois at Chicago (UIC) is ranked in the top-5 best US universities under 50 years old (Times Higher Education), and one of the top-10 most diverse universities in the US (US News and World Report). UIC's hometown of Chicago epitomizes the modern, livable, vibrant city. Located on the shore of Lake Michigan, Chicago offers an outstanding array of cultural and culinary experiences. As the birthplace of the modern skyscraper, Chicago boasts one of the world's tallest and densest skylines, combined with an 8100-acre park system and extensive public transit and biking networks. Its airport is the second busiest in the world, with frequent non-stop flights to most major cities. Yet the cost of living is surprisingly low, whether in a high-rise downtown or a house on a tree-lined

street in one of the nation's finest school districts.

Minimum qualifications include a Master's degree or higher in Computer Science or a related field, and either (a) demonstrated evidence of effective teaching, or (b) convincing argument of future dedication and success in the art of teaching. Applications are submitted online at <https://jobs.uic.edu/>. In the online application, please include your curriculum vitae, the names and addresses of at least three references, a statement providing evidence of effective teaching, and a separate statement describing your past experience in activities that promote diversity and inclusion (or plans to make future contributions). Applicants needing additional information may contact Professor Joe Hummel, Search Committee Chair, [jhummel2@uic.edu](mailto:jhummel2@uic.edu).

For fullest consideration, please apply by February 15, 2016. We will continue to accept until the position is filled. The University of Illinois is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply.

## University of Illinois at Urbana-Champaign

*College of Engineering: Professor (Open Rank) - Computer Science*

The Department of Computer Science (CS) at the University of Illinois at Urbana-Champaign invites applications for faculty positions at all levels and in all areas of CS, but with particular emphasis in the areas of architecture, bioinformatics and genomics, computer systems (including trustworthy computing, distributed, cloud, mobile, and OS), data systems, machine learning, parallel and high-performance computing, privacy and security, programming languages, and theoretical computer science. Applications are encouraged from candidates whose

# Professional Opportunities

research programs are in traditional as well as in nontraditional and interdisciplinary areas of computer science. The department is engaged in exciting new and expanding programs for research, education, and professional development, with strong ties to industry.

Applicants for positions at the assistant professor level must have an earned Ph.D. or equivalent degree, excellent academic credentials, and an outstanding ability to teach effectively at both the graduate and undergraduate levels. Successful candidates will be expected to initiate and carry out independent research and to perform academic duties associated with our B.S., M.S., and Ph.D. programs. Senior level appointments with tenure are available for persons of international stature.

Faculty in the department carry out research in a broad spectrum of areas and are supported by world-class facilities, starting with our department's home in the Siebel Center for Computer Science, and including collaborations with the National Center for Supercomputing Applications, the Coordinated Science Laboratory, the Information Trust Institute, the Parallel Computing Institute, the Beckman Institute for Advanced Science and Technology, the Institute for Genomic Biology, as well as several industrial centers and programs that foster international collaborations. The department has one of the leading programs in the United States, granting over 200 B.S. degrees, 100 M.S. degrees, and 60 Ph.D. degrees annually.

If qualified, candidates may be hired as a Blue Waters Professor. Blue Waters Professors will be provided substantial allocations on and expedited access to the Blue Waters supercomputer. Blue Waters is one of the most powerful supercomputers in the world, supported by the National Science Foundation and developed and run by the University of Illinois' National Center for

Supercomputing Applications (NCSA). If you are interested in being considered for this unique opportunity, be sure to include Blue Waters as one of your preferred research areas when prompted during your online application process and include a reference to Blue Waters in your cover letter.

Qualified senior candidates may also be considered for tenured full Professor positions as part of the Grainger Engineering Breakthroughs Initiative, which is backed by a \$100-million gift from the Grainger Foundation. Over the next few years, more than 35 new endowed professorships and chairs will be established, which will provide incredible opportunities for world-renowned researchers. More information regarding the Grainger Initiative can be found at <http://graingerinitiative.engineering.illinois.edu/>.

In order to ensure full consideration, applications must be received by January 8, 2016. Applicants may be interviewed before the closing date; however, no hiring decision will be made until after that date. Salary will be commensurate with qualifications. Preferred starting date is August 16, 2016, but is negotiable. Applications can be submitted by going to <http://jobs.illinois.edu> and uploading a cover letter, CV, research statement, and teaching statement, along with names of three references. For inquiry, please call 217-244-7949 or email [HR@cs.illinois.edu](mailto:HR@cs.illinois.edu).

*The University of Illinois conducts criminal background checks on all job candidates upon acceptance of a contingent offer. Illinois is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, religion, color, national origin, sex, sexual orientation, gender identity, age, status as a protected veteran, or status as a qualified individual with a disability. Illinois welcomes individuals with diverse backgrounds, experiences, and ideas who embrace and value diversity and inclusivity.*

*([www.inclusiveillinois.illinois.edu](http://www.inclusiveillinois.illinois.edu)). We have an active and successful dual-career partner placement program and a strong commitment to work-life balance and family-friendly programs for faculty and staff (<http://provost.illinois.edu/worklife/index.html>).*

## University of Illinois at Urbana-Champaign

*College of Engineering*

*Teaching Professor (Open Rank) - Computer Science*

The Department of Computer Science (CS) at the University of Illinois at Urbana-Champaign invites applications for multiple teaching faculty positions at all levels and in all areas of computer science. We seek highly qualified applicants with a strong commitment to excellence in teaching and the ability to teach at all levels.

Teaching faculty positions are renewable, career-oriented, non-tenure-track positions. Initial appointments are typically at the rank of Teaching Assistant Professor, with the possibility of promotion to the ranks of Teaching Associate Professor and Teaching Professor. Senior-level appointments are available for candidates with significant additional experience and stature. Applicants for all positions must have a Ph.D. or equivalent degree in computer science or a closely related field, excellent academic credentials, and the promise of excellence in teaching computer science and technically related courses. Applicants for Teaching Associate Professor and Teaching Professor must have demonstrated excellence.

The department has a thriving community of creative, passionate, and innovative teaching faculty who contribute to high-quality instruction, curriculum development, student mentoring, and computer science education research; many of our teaching faculty engage in outreach and service as well.



# Professional Opportunities

The University of Illinois has one of the strongest computer science departments in the country, with approximately 1500 undergraduate majors and 500 graduate students across eleven different degree programs. In addition to our flagship undergraduate program in the College of Engineering, our innovative CS+X programs incorporate a strong grounding in computer science with technical or professional training in the arts and sciences. Our graduate program is ranked one of the top five in the country by US News & World Report. We are also one of the leading teaching units on campus, offering computing education to students in every discipline.

In order to ensure full consideration, applications must be received by January 8, 2015. Applicants may be interviewed before the closing date; however, no hiring decision will be made until after that date. Salary will be commensurate with qualifications. Preferred starting date is August 16, 2016, but is negotiable. Applications should be submitted by visiting <http://jobs.illinois.edu> and uploading a cover letter, curriculum vitae, teaching statement, and names and contact information for three references. Applicants may also submit supporting material relevant to evaluating their teaching abilities. For inquiry, please call 217-244-7949 or email Karen Stahl at [kstahl@cs.illinois.edu](mailto:kstahl@cs.illinois.edu).

*The University of Illinois conducts criminal background checks on all job candidates upon acceptance of a contingent offer.*

*Illinois is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, religion, color, national origin, sex, sexual orientation, gender identity, age, status as a protected veteran, or status as a qualified individual with a disability. Illinois welcomes individuals with diverse backgrounds, experiences, and ideas who embrace and value diversity and inclusivity. ([www.inclusiveillinois.illinois.edu](http://www.inclusiveillinois.illinois.edu)).*

## The University of Iowa

### Computer Science Department Assistant Professor Positions, Fall 2016

The Computer Science Department at the University of Iowa, Iowa City, IA, invites applications for multiple tenure-track faculty at the level of assistant professor starting in August 2016.

Several positions are part of an institution-wide initiative in **informatics**. Of particular interest are candidates with scholarly interests in either formal or application-oriented aspects of **security, privacy and/or anonymity**, (e.g. the design, analysis and verification of secure protocols, formal methods and tools for security analysis, security for safety-critical applications, medical device security and/or real-time system security), and **text analytics** (e.g., natural language processing, computational linguistics, probabilistic and statistical text models, text and web mining frameworks, and algorithms for large scale heterogeneous and noisy text data), although we also welcome applications from collaboration-minded scholars in other application-oriented areas of informatics (e.g., data analytics, systems software, machine learning, theory and algorithms, embedded systems, networks and smart sensors, computer graphics and visualization).

Another position is part of a campus-wide interdisciplinary initiative in **public digital arts**. We seek candidates with scholarly interests at the intersection of the arts and technology, e.g., in visualization, real-time animation, interactive graphics, human-computer interaction, computer-mediated communication, social computing, mobile or ubiquitous computing, tools for making and re-purposing digital artifacts, maker culture, multi-agent interactive systems, or related areas. Experience with applications in areas such as transmedia, interactive narratives, social, health, mobile, or educational games, is also desirable.

For all position, responsibilities include conducting externally funded research in the candidate's area of expertise, teaching undergraduate and graduate computer science and/or informatics courses, supervising graduate student research, and making service contributions to the Department, the College, the University, and the discipline. The successful candidates will also join their respective cluster initiatives and will work closely with existing faculty and staff who form the core of these ambitious programs to foster creativity and interdisciplinary collaborations. Participation in their cluster initiatives (i.e., informatics and public digital arts) will be an important component of faculty performance evaluations.

Applications should contain a CV, a research and teaching statement, and three letters of recommendation. For additional information and to apply online, visit <http://www.cs.uiowa.edu/hiring/>. Applications received by January 1, 2016, are assured of full consideration.

**Required Qualifications:** Candidates must hold a PhD in computer science, informatics, or a closely related discipline at time of appointment. Appointments will be made within the Computer Science Department, which offers BA, BS, MCS, and PhD degrees in computer science, and BA and BS degrees in Informatics.

**Desirable Qualifications:** Demonstrated interest in solving interdisciplinary problems, the ability to work with interdisciplinary teams, and prior teaching experience.

**About Iowa:** With just over 30,000 students, the University of Iowa is one of the nation's top public research universities, a member of the Big Ten conference since 1899, and an Association of American Universities member since 1909. The University is known for its balanced commitment to the arts, sciences, and humanities. Located in Iowa City, an urbanized area of 100,000 people



# Professional Opportunities

that is widely recognized as one of the country's most livable communities, the University offers over 200 majors and an annual externally funded research budget of over \$500M.

The Department of Computer Science and the College of Liberal Arts and Sciences are strongly committed to diversity; the strategic plans of the University and College reflect this commitment. All qualified applicants are encouraged to apply and will receive consideration for employment free from discrimination on the basis of race, creed, color, national origin, age, sex, pregnancy, sexual orientation, gender identity, genetic information, religion, associational preference, status as a qualified individual with a disability, or status as a protected veteran. The University of Iowa is an equal opportunity / affirmative action employer.

## University of Kansas

*Full-time, 12-month, non-tenure-track Professor*

The Department of Electrical Engineering and Computer Science at the University of Kansas seeks to hire a full-time, 12-month, non-tenure-track Professor of the Practice/Academic Program Associate (open rank) to begin spring 2016 for its Edwards Campus as Director of the Bachelor of Science Information Technology (BSIT) program. Extensive experience in Information Technology is required to serve as instructor in the BSIT program and director of the BSIT program at the Edwards Campus. For more information regarding the position and a full position description, see <https://employment.ku.edu/academic/4737BR>.

The University of Kansas prohibits discrimination on the basis of race, color, ethnicity, religion, sex, national origin, age, ancestry, disability status as a veteran, sexual orientation, marital status, parental status, gender identity, gender expression, and genetic information in

the university's programs and activities. Retaliation is also prohibited by university policy. The following persons have been designated to handle inquiries regarding the nondiscrimination policies and are the Title IX coordinators for their respective campuses: Executive Director of the Office of Institutional Opportunity & Access, [IOA@ku.edu](mailto:IOA@ku.edu), 1246 West Campus Road, Room 153A, Lawrence, KS 66045, 785-864-6414, 711 TTY (for the Lawrence, Edwards, Parsons, Yoder, and Topeka campuses); Director, Equal Opportunity Office, Mail Stop 7004, 4330 Shawnee Mission Parkway, Fairway, KS 66205, 913-588-8011, 711 TTY (for the Wichita, Salina, and Kansas City, Kansas medical center campuses).

## University of Kentucky

*Department of Computer Science  
Tenure-track Faculty Positions*

The University of Kentucky Computer Science Department expects to hire two tenure-track faculty members to begin employment in August of 2016.

The department seeks to hire energetic researchers/educators who are interested in the application of advanced computing to challenging and relevant problems. Our faculty undertake interdisciplinary research, working with other departments including statistics, biology, linguistics, electrical engineering, computer engineering, and the humanities. We therefore favor researchers who can collaborate to solve problems involving multiple disciplines. The department has two openings. One is tied to the newly established University of Kentucky Institute for Biomedical Informatics (IBI; <http://ibi.uky.edu>), in which the focus areas include databases, biomedical informatics, data analytics, and visualization. For the other position, all areas of computing will be considered, but applicants with expertise in security and privacy, big data, and cloud computing will receive preference. These

areas are associated with the department's Laboratory for Advanced Networking, Center for Visualization and Virtual Environments, and Software Verification and Validation Lab. The candidate should be able to teach upper-level courses with a focus on databases and/or security, as well as (ultimately) courses in introductory systems sequence.

Candidates must have earned a PhD in Computer Science or closely related field at the time employment begins. To apply, a University of Kentucky Academic Profile must be submitted at <http://ukjobs.uky.edu/postings/80509>. Applications are now being accepted. Review of credentials will begin immediately and continue until the positions are filled.

For more detailed information about these positions, go to [www.cs.uky.edu/opportunities/faculty](http://www.cs.uky.edu/opportunities/faculty). Questions should be directed to HR/Employment by phone at 1-859-257-9555 press 2 or email ([ukjobs@email.uky.edu](mailto:ukjobs@email.uky.edu)), or to Diane Mier ([diane@cs.uky.edu](mailto:diane@cs.uky.edu)) in the Computer Science Department.

## University of Maryland Baltimore County

*Information Systems Department  
Tenure Track position in Artificial  
Intelligence/Knowledge Management*

The Information Systems (IS) Department at UMBC invites applications for a **tenure-track** faculty position at the Assistant Professor level starting August 2016. *We are searching for a candidate with research interests and experience in Artificial Intelligence (AI) and/or knowledge management (KM).* The ideal candidate should have expertise in conducting AI/KM research to improve decision making in application domains closely relevant to one or more active research areas in the IS department, preferably health IT, social computing, and smart environments.

# Professional Opportunities

The research areas of current faculty in the Department of Information Systems include Artificial Intelligence/Knowledge Management, Databases and Data Mining, Human Centered Computing, Software Engineering, and Health Information Technology. Candidates must have earned a PhD in Information Systems or a related field no later than August 2016. Candidates should be engaged in research that fosters collaboration with at least one of these areas. Preference will be given to those who can collaborate with current faculty. Candidates should have a strong potential for excellence in research, the ability to develop and sustain an externally funded research program, and the ability to contribute to our mission of excellent graduate and undergraduate education. Exceptionally qualified candidates in an area other than AI/KM that aligns well with the department's mission may be considered.

The Department offers undergraduate degrees in Information Systems and Business Technology Administration. Graduate degree programs, MS and PhD, are offered in both Information Systems and Human-Centered Computing, including an innovative online MS in IS program. Consistent with the UMBC vision, the Department has excellent teaching facilities, state-of-the-art laboratories, and outstanding technical support. UMBC's Technology Center, Research Park, and Center for Entrepreneurship are major indicators of active research and outreach. Further details on our research, academic programs, and faculty can be found at <http://www.is.umbc.edu/>. Members of underrepresented groups, including women and minorities, are especially encouraged to apply.

Applications will not be reviewed until the following materials are received: a cover letter, a one-page statement of teaching interests, a one to two-page statement of research interests, and a CV. Electronic copies should be submitted to the IS

department through the following link: <http://apply.interfolio.com/31466>. For inquiries, please contact Barbara Morris (410) 455-3795 or [bmorris@umbc.edu](mailto:bmorris@umbc.edu) or Dr. Dongsong Zhang (410) 455-2851 or [zhangd@umbc.edu](mailto:zhangd@umbc.edu). Review of applications will begin immediately and will continue until the position is filled. These positions are subject to the availability of funds.

**UMBC is an Affirmative Action/Equal Opportunity Employer and welcomes applications from minorities, women, veterans and individuals with disabilities.**

## University of Maryland College Park

### *Department of Computer Science Several Openings for Faculty Positions*

The Department of Computer Science at the University of Maryland, College Park, MD, USA has several openings for faculty positions effective July 1, 2016 or earlier. The openings are at the tenure-track Assistant Professor level or "junior-level" tenured Associate Professor level. Applicants will be considered for joint appointments between the Department of Computer Science and the Institute for Advanced Computer Studies (UMIACS).

We are especially interested in recruiting in Computational Biology, Cybersecurity, Machine Learning, and Databases; however, exceptional candidates in all areas will be considered.

**Applications from women and other underrepresented groups are especially welcome.**

Please apply online at <https://ejobs.umd.edu> and <https://hiring.cs.umd.edu>. Candidates must apply to both websites to receive consideration. The review of applications will begin on December 1, 2015, and applicants are strongly encouraged to submit

complete applications by that date for full consideration. Questions can be directed to the faculty recruitment committee at: [faculty-search@cs.umd.edu](mailto:faculty-search@cs.umd.edu).

Founded in 1856, University of Maryland, College Park is the flagship institution in the University System of Maryland. Our 1,250 acre College Park campus is minutes away from Washington, D.C., and the nexus of the nation's legislative, executive, and judicial centers of power. This unique proximity to business and technology leaders, federal departments and agencies, and a myriad of research entities, embassies, think tanks, cultural centers, and non-profit organizations offers unparalleled synergistic opportunities for our faculty and students. The Department of Computer Science at the University of Maryland has been consistently ranked among the top 15 nationally. We have 47 full time tenured and tenure track faculty in a wide variety of research areas, and over 200 doctoral students drawn from top undergraduate programs internationally.

Additional information about the Department of Computer Science and the Institute for Advanced Computer Studies is available at <http://www.cs.umd.edu> and at <http://www.umiacs.umd.edu>. The Department is planning to move into the Iribe Center in the near future, for more information, see <http://csctr.cs.umd.edu>.

**The University of Maryland is an Equal Opportunity, Affirmative Action Employer.**

## University of Massachusetts Amherst

*Assistant/Associate Professor - Wearable Health Sensing*

**POSITION:** The College of Information and Computer Sciences (CICS) together with the Institute for Applied Life Sciences (IALS) at the University of Massachusetts Amherst (UMass Amherst) invite applications for

# Professional Opportunities



**UNIVERSITY OF MARYLAND**  
**MARYLAND CYBERSECURITY CENTER**  
**SENIOR FACULTY SEARCH**

The University of Maryland is seeking candidates for a senior faculty position in the Maryland Cybersecurity Center (<http://www.cyber.umd.edu>). Founded in 2010, the Center has vibrant research and educational components involving over 25 faculty members from several academic departments across campus, including five hired in the Department of Computer Science and the Department of Electrical and Computer Engineering over the past three years. The University of Maryland is also home to ACES, the nation's first undergraduate honors program dedicated to cybersecurity. Candidates for the senior position are expected to be prominent researchers in the field of cybersecurity, defined broadly, with a strong publication and funding record. The new hire will have a joint appointment in the Department of Computer Science and the Department of Electrical and Computer Engineering, as well as in the University of Maryland Institute for Advanced Computer Studies. The opening is for an appointment at the level of (tenured) Full Professor or (tenured) Associate Professor, depending on the level of experience. The appointment can be effective as early as July 1, 2016.

Applications from women and other underrepresented groups are especially welcome.

Please apply online at <https://ejobs.umd.edu> (position number 121592). Applicants are strongly encouraged to submit their applications by January 31, 2016.

**The University of Maryland is an affirmative action, equal opportunity employer.** Applications completed by January 31, 2016 will receive full consideration. The position will remain open until filled.

# Professional Opportunities

a tenure-track faculty position **at the Assistant or Associate Professor level** in the area of mobile health sensing with emphasis on wearable and ubiquitous computing, wireless monitoring of health, micro-powered and ultra low-power health sensors, sensor-enabled embedded systems, human-computer interaction, and mobile health applications.

**STARTING DATE:** September 1, 2016

## **REQUIREMENTS AND QUALIFICATIONS:**

Applicants must have a Ph.D. in Computer Science, Electrical Engineering or a related area and should show evidence of exceptional research promise. The successful candidate is expected to catalyze interdisciplinary collaboration as part of the Center for Personalized Health Monitoring (CPHM) cluster within IALS, and develop novel, practical solutions for pervasive health monitoring. Finally, since this is a research area with significant potential for translational and industry impact, candidates with an interest in working with industry or technology transfer aspects of their work are preferred.

**RESPONSIBILITIES:** The candidate is expected to teach both undergraduate and graduate courses, supervise graduate students and postdoctoral fellows, contribute significantly to the advancement of basic science and engineering, as evidenced by scholarly publications, develop a nationally recognized program of sponsored research, and have an understanding of diversity issues and their educational importance.

**Department, School, Institute, University and Community:** UMass Computer Science has been elevated from a department to a college as part of dramatic plans for further growth. Our college is highly supportive of junior faculty, providing both formal and informal mentoring. Many of our faculty are involved in interdisciplinary research, and work closely with other departments including electrical and industrial

engineering, statistics/mathematics, biology, physics, behavioral sciences, economics, political science, linguistics, and nursing, as well as new "green" initiatives. Amherst, a historic New England town, is the center of a vibrant and culturally rich area that includes four other colleges. For more information, visit <https://cics.umass.edu>.

The University of Massachusetts Amherst (<http://www.umass.edu>), the flagship campus of the University of Massachusetts system, is a nationally ranked public research university and home to over 22,000 undergraduate and 6,000 graduate students. The 1,430 acre campus is located in the scenic Pioneer valley of western Massachusetts, 90 miles from Boston and 175 miles from New York City. UMass Amherst, along with Amherst, Hampshire, Mount Holyoke and Smith Colleges, is a member of the Five College Consortium and the Academic Career network. The region boasts a rural setting with easy access to Boston, Hartford, and New York City.

**APPLICATION PROCESS:** Review of applications will begin December 1, 2015 and may continue until a suitable candidate pool has been identified. Applicants should submit a cover letter, a curriculum vita, research statement, statement of teaching interests, and the names and contact information for three references, using the submission link specific to the position.

**These materials should be submitted to:** <https://umass.interviewexchange.com/jobofferdetails.jsp?JOBID=65535>

**For questions about the position, contact Vickie Rupp** <[facrec@cs.umass.edu](mailto:facrec@cs.umass.edu)>, **CICS**

*The university is committed to active recruitment of a diverse faculty and student body. The University of Massachusetts Amherst is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans, and individuals with disabilities and encourages applications*

*from these and other protected group members. Because broad diversity is essential to an inclusive climate and critical to the University's goals of achieving excellence in all areas, we will holistically assess the many qualifications of each applicant and favorably consider an individual's record working with students and colleagues with broadly diverse perspectives, experiences, and backgrounds in educational, research or other work activities. We will also favorably consider experience overcoming or helping others overcome barriers to an academic degree and career.*

## **University of Massachusetts Amherst**

*College of Information and Computer Sciences*

### *Lecturer Positions*

The College of Information and Computer Sciences at the University of Massachusetts Amherst invites applications for full-time, nine-month, non-tenure-track faculty positions at the rank of Lecturer starting in the 2016-2017 academic year.

Primary responsibilities include teaching up to six courses per year for majors and non-majors, curriculum development, undergraduate advising, as well as additional administrative and scholarly duties as determined by the Chair of the Faculty. The appointment period is 9 months per year, and opportunities for teaching additional summer courses may be available for additional compensation. Although not tenure track, it is expected that the person holding this position will remain with the college long term and the initial appointment will be for at least one year.

The College of Information and Computer Sciences is a stimulating, diverse environment conducive to professional growth in both teaching and research.



# Professional Opportunities

Lecturers are considered an essential part of the faculty and participate in faculty meetings and college decisions. Amherst, a historic New England town, is the center of a vibrant and culturally rich area that includes four other colleges. For more information about the college, visit <https://www.cics.umass.edu>.

Applicants must hold the equivalent of a Masters degree in Computer Science, Computer Engineering or a closely related field, with a Ph.D. strongly preferred. Applicants must have a strong interest in, or a proven record of excellence in teaching undergraduate computer science courses, especially undergraduate courses in software engineering and systems.

Interested candidates should apply online at <http://umass.interviewexchange.com/jobofferdetails.jsp?JOBID=65045>

Please submit a cover letter, curriculum vitae, description of teaching experience, and the names and contact information for three references. Review of applications will begin on November 30, 2015 and may continue until a suitable candidate pool has been identified.

The University of Massachusetts Amherst is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans, and individuals with disabilities and encourages applications from these and other protected group members.

## University of Massachusetts Amherst

### *Assistant / Associate Professor Positions*

The College of Information and Computer Sciences at the University of Massachusetts Amherst invites applications for multiple tenure-track faculty positions in computer science for the 2016-2017 academic year. Applicants must have a Ph.D. in Computer Science or a related area, and should show evidence of exceptional research promise.

Subareas of interest include 1) Security and Privacy and 2) Data Science. We are seeking talented applicants at both the assistant and associate professor levels. Under exceptional circumstances, highly qualified candidates at other ranks may receive consideration. In a separately advertised search, we are also hiring in the area of wearable and mobile health sensing.

Computer Science at the University of Massachusetts Amherst is in the midst of a major expansion of its highly ranked program. Recent initiatives include its elevation to a College, creation of the Center for Data Science, and formation of the Cybersecurity Institute. Our college is highly supportive of junior faculty, providing both formal and informal mentoring. Many of our faculty are involved in interdisciplinary research, working closely with other departments including statistics/mathematics, linguistics, electrical and industrial engineering, biology, physics, behavioral sciences, economics, political science, and nursing, as well as new "green" initiatives. Amherst, a historic New England town, is the center of a vibrant and culturally rich area that includes four other colleges. For more information, visit <https://cics.umass.edu>.

Applicants should submit a cover letter, a curriculum vita, research statement, statement of teaching interests, and the names and contact information for three references, using the submission link specific to the <http://umass.interviewexchange.com/candapply.jsp?JOBID=64843> (Security and Privacy)

<http://umass.interviewexchange.com/candapply.jsp?JOBID=64842> (Data Science)

Review of applications will begin on November 30, 2015 and may continue until a suitable candidate pool has been identified. Rank and salary will be commensurate with qualifications and experience. Inquiries and requests for more information can be sent to: [facrec@cs.umass.edu](mailto:facrec@cs.umass.edu).

The university is committed to active recruitment of a diverse faculty and student body. The University of Massachusetts Amherst is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans, and individuals with disabilities and encourages applications from these and other protected group members. Because broad diversity is essential to an inclusive climate and critical to the University's goals of achieving excellence in all areas, we will holistically assess the many qualifications of each applicant and favorably consider an individual's record working with students and colleagues with broadly diverse perspectives, experiences, and backgrounds in educational, research or other work activities. We will also favorably consider experience overcoming or helping others overcome barriers to an academic degree and career.

## University of Massachusetts Dartmouth

### *Assistant Professor (2)*

The Department of Computer and Information Science (CIS) at the University of Massachusetts Dartmouth invites applications for up to two tenure-track faculty positions at the assistant professor level beginning September 2016 to support a University initiative in data science.

Candidates with research and teaching interests in data-centric computing, predictive analytics, machine learning, multimedia systems, pervasive computing, visual analytics and data discovery will receive the highest consideration; however, outstanding candidates in other areas will also be considered.

Finalists must hold an earned doctorate in computer science or a related field and have a strong commitment to teaching excellence and scholarly research.



# Professional Opportunities

Qualified applicants are invited to submit electronically a letter of interest, detailed curriculum vitae, brief statements on teaching philosophy and research plans, and contact information for at least three professional references. Screening will begin November 15, 2015, and continue until the position(s) are filled. To apply online or to view the full job description, please visit: <http://www.umassd.edu/hr/employmentopportunities/>.

*UMass Dartmouth is an EEO/AA/ Title IX/ Minorities/Females/Veterans/Disability Employer fully dedicated to achieving a diverse faculty and staff.*

## University of Massachusetts Dartmouth

### *Full Time Lecturer in Computer & Information Science*

The Department of Computer & Information Science at the University of Massachusetts Dartmouth invites applications for a Full-Time Lecturer position starting in September 2016. This is a nine-month, non-tenure-track position with primary responsibilities for undergraduate and graduate classroom and online instruction. Lecturers are term (1-2 year) appointments renewable contingent on performance and need.

Applicants must: (1) hold an earned doctorate in computer science or allied field (or a master's degree in computer science with substantial teaching experience in computer science at the college/university level); (2) be proficient in disciplinary course content and fluent in the English language; (3) have a strong demonstrated commitment to student learning and success, and (4) and engage students outside of class via advising and co-curricular activities.

Preferred candidates will (1) have outstanding credentials that clearly demonstrate their ability and commitment to undergraduate and graduate teaching;

(2) have on-line teaching experience or have strong aptitude for online course offerings; (3) be knowledgeable about national curriculum trends in computer science education; (4) promote and enhance diversity; and, (5) actively participate in department recruitment and retention efforts. Successful candidates must show that they will be able to effectively teach a wide selection of computer science courses and contribute to a new on-line degree program in computer science. The new Data Science degree program, described at <http://www.umassd.edu/datascience/>, offers opportunities to develop and teach cutting-edge courses in this rapidly growing field. In addition to normal classroom duties the candidate will have opportunities to engage in outreach, undergraduate research/project supervision, and curriculum innovation. Teaching load will be 6-8 courses per year, depending on advising and service load and will be assigned by the chairperson of the department.

Applicants are invited to submit electronically a letter of interest; curriculum vitae; contact information for at least three professional references; and a one-page statement of teaching interests and philosophy.

Employment is contingent upon verification of background. Applicants must be currently authorized to work in the United States on a full-time basis. Successful candidate may have option to join department in spring/summer 2016 if available. Review of applications will begin immediately and continue until the position is filled. Apply online here: <http://www.umassd.edu/hr/employmentopportunities/facultyjobopportunities/>

The University of Massachusetts Dartmouth values excellence, diversity, transparency, student-centeredness, accountability, innovation, engagement, collaboration, collegiality and safety.

The University of Massachusetts Dartmouth is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, sex, color, religion, national origin, ancestry, age over 40, protected veteran status, disability, sexual orientation, gender identity/expression, marital status, or other protected class.

The University of Massachusetts reserves the right to conduct background checks on potential employees.

## University of Memphis

### *Department of Computer Science*

#### *Assistant/Associate Professors*

The Department of Computer Science at the University of Memphis is seeking candidates for multiple Assistant/Associate Professor positions beginning Fall 2016. Exceptionally qualified candidates in all areas of computer science are invited while candidates with expertise in the following areas are particularly encouraged to apply: big data, systems & networks, security & privacy, CS education, and software engineering, as well as candidates engaged in interdisciplinary research. Successful candidates are expected to develop externally sponsored research programs, teach both undergraduate and graduate courses and provide academic advising to students at all levels.

Applicants should hold a PhD in Computer Science, or related discipline, and be committed to excellence in both research and teaching. Salary is competitive and dependent upon qualifications.

The Department of Computer Science ([www.cs.memphis.edu](http://www.cs.memphis.edu)) offers B. S., M.S., and Ph.D. programs as well as a graduate certificate in Information Assurance and an M.S. program in Bioinformatics (through the College of Arts and Sciences). The Department has been ranked 55th in the nation, among CS departments with federally funded research.

# Professional Opportunities

The Department regularly engages in large-scale multi-university collaborations across the nation. CS faculty leads NIH-funded Big Data “Center of Excellence for Mobile Sensor Data-to-Knowledge (MD2K)” and the “Center for Information Assurance (CFIA)”. In addition, CS faculty works closely with multidisciplinary centers in the campus such as the “Institute of Intelligent Systems (IIS)”.

Application review begins December 1, 2015 and may continue until the positions are filled.

To apply, please visit <https://workforum.memphis.edu/>. Include a cover letter, curriculum vitae, statement of teaching philosophy, research statement, and three letters of recommendation. Direct all inquiries to Joyce Stevenson ([jkstvnnsn@memphis.edu](mailto:jkstvnnsn@memphis.edu)).

A background check will be required for employment.

The University of Memphis is an Equal Opportunity/Equal Access/Affirmative Action employer committed to achieving a diverse workforce.

## University of Miami, Coral Gables, Florida

*College of Engineering - Department of Electrical and Computer Engineering Non-Tenure Faculty Opening*

**The Department of Electrical and Computer Engineering (ECE) at the University of Miami (UM)** invites applications and nominations for a non-tenure faculty position at the rank of Assistant/Associate Professor of Practice. The Department offers ABET-accredited B.S. programs in Electrical Engineering and Computer Engineering. The department also offers M.S. and Ph.D. in Electrical and Computer Engineering.

The successful candidate will be expected to demonstrate a commitment to excellence in undergraduate teaching. The successful candidate will be an inspiring teacher and is

expected to lead capstone design projects in ECE in concert with partners from across the University, and industry. In addition, he/she is expected to effectively teach undergraduate courses and augment them with practical hands-on project components.

**Basic Qualifications:** An applicant must have a doctorate in Computer Engineering, or a related field, an ability to teach courses at the undergraduate level, and practical experience. In order to guide the students in their capstone projects and teach practically-oriented course content, the applicant must possess hands-on skills in one or more of the following computer engineering-related topics: cybersecurity, embedded systems, microprocessors, software engineering, and power electronics.

Qualified applicants should mail/email (a) a letter of interest, (b) a resume and (c) at least three (3) letters of reference to:

Dr. Shihab Asfour, Associate Dean for Academics  
College of Engineering  
University of Miami  
1251 Memorial Drive, McArthur Engineering Bldg.,  
Coral Gables, FL 33146.  
[sasfour@miami.edu](mailto:sasfour@miami.edu)

The University of Miami offers a comprehensive benefits package including medical and dental benefits, tuition remission, paid holidays and much more. The University of Miami is an Equal Opportunity/Affirmative Action Employer.

## The University of Michigan - Dearborn

*Department of Computer and Information Science  
Assistant/Associate Professors*

The Department of Computer and Information Science (CIS) at the University of Michigan-Dearborn invites applications for a tenure-track faculty position in cybersecurity. The

expected starting date is September 1st, 2016. Review of applications will begin immediately and continue until suitable candidates are appointed. Rank and salary will be commensurate with qualifications and experience. We offer competitive salaries and start-up packages.

Qualified candidates must have, or expect to have, a Ph.D. in computer science or a closely related discipline by the time of appointment and will be expected to do scholarly and sponsored research, as well as teaching at both the undergraduate and graduate levels. Candidates at the associate professor rank should already have an established funded research program. The CIS Department offers several BS and MS degrees, and participates in several interdisciplinary degree programs, including a Ph.D. program in information systems engineering. A departmental Ph.D. in Computer and Information Science is currently under development. The current research areas in the department include artificial intelligence, complex systems, computational game theory, computer graphics, data management, graphical models, machine learning, multimedia systems and gaming, networking, security, wearable sensing and health informatics, and software engineering. These areas of research are supported by several established labs and many of these areas are currently funded by federal agencies and industries.

The University of Michigan-Dearborn is located in the southeastern Michigan area and offers excellent opportunities for faculty collaboration with many industries. We are one of three campuses forming the University of Michigan system and are a comprehensive university with over 9,000 students.

The University of Michigan-Dearborn is dedicated to the goal of building a culturally-diverse and pluralistic faculty committed to teaching and working in a multicultural environment, and strongly encourages applications from minorities and women.

# Professional Opportunities

A cover letter, curriculum vitae, teaching statement, research statement, and the names and contact information of three references should be sent to,

Dr. William Grosky, Chair  
Department of Computer and Information  
Science

University of Michigan-Dearborn

4901 Evergreen Road

Dearborn, MI 48128-1491

Email: [wgrosky@umich.edu](mailto:wgrosky@umich.edu)

Internet: <http://umdearborn.edu/cecs/CIS/>

Phone: 313.583.6424, Fax: 248.856.2582

The University of Michigan-Dearborn is an equal opportunity/affirmative action employer.

## The University of Minnesota - Twin Cities

*Department of Computer Science and Engineering*

*Faculty Positions in Cyber Security, Robotics, Sensors & Advanced Manufacturing*

The Department of Computer Science and Engineering at the University of Minnesota-Twin Cities invites applications for multiple tenure-track faculty positions in cyber security and in support of a University-wide initiative (MnDRIVE) on robotics, sensors, and advanced manufacturing (<http://cse.umn.edu/r/mndrive-minnesota-discovery-research-and-innovation-economy/>). Specific topics of interest for the positions include cyber security, sensing and networking, machine learning, computer vision, robot design, manipulation, mobility, human-robot interaction, planning, algorithmic foundations, and embedded systems. Applicants from other areas will be considered as long as they address how their work fits into the security or MnDRIVE themes. Senior applicants will also be considered. We encourage applications from women and under-represented minorities. Candidates should have a Ph.D. in Computer Science or a closely related discipline at

the time of appointment. The positions are open until filled, but for full consideration apply at <https://www.cs.umn.edu/resources/employment/faculty> by December 15, 2015.

The University of Minnesota is an equal opportunity employer and educator.

## The University of Mississippi

*Assistant Professor Position*

The Department of Computer and Information Science at the University of Mississippi invites applications for a tenure-track Assistant Professor position.

An applicant must hold a PhD or equivalent in computer science or a closely related field by August 15, 2016. An applicant must have the ability to teach both graduate and undergraduate students, conduct research in major areas of computer and information science, and supervise MS and PhD students. An applicant must provide evidence of research potential, effective communication skills, and a broad background in computing.

The Department has an ABET/CAC-accredited undergraduate program and MS and PhD programs. See the website <http://www.cs.olemiss.edu> for more information about the Department.

The University is located in Oxford, one of America's top-ranked college towns. Oxford has a wonderful small-town atmosphere with affordable housing and excellent schools.

Individuals may apply online at <http://jobs.olemiss.edu>. The applicant is asked to supply a cover letter, curriculum vitae, research and teaching statements, and contact information for four references. Review of applications will begin immediately and continue until the position is filled or an adequate applicant pool is reached.

The University of Mississippi is an EOE/AA/Minorities/Females/Vet/Disability/Sexual Orientation/Gender Identity/Title VI/Title VII/Title IX/504/ADA/ADEA employer.

## University of New Hampshire

*Department of Computer Science*

*Lecturer in Computer Science*

The Department of Computer Science of the University of New Hampshire (UNH) invites applications for two full-time, benefits-eligible, non-tenure-track Lecturer positions to begin January 7, 2016. An M.S. or PhD in a computer-related discipline is desirable and demonstrated strength in undergraduate teaching is essential.

There are two positions available that together will be responsible for teaching undergraduate computer science courses and multiple sections of an existing course for non-majors that introduces students to Internet technologies and publishing online using HTML, blogs, and discussion forums. The distribution of these responsibilities will depend on the interests and expertise of the successful candidates.

Lecturers are a valued, integral part of our faculty with voting rights in departmental governance. As such, these positions also encompass many of the key facets of our undergraduate program, such as advising, curriculum development and supervision of capstone experiences. After a probationary year, the position will be under a renewable three-year contract.

The department offers B.S., M.S., and Ph.D. degrees and currently has 15 full-time permanent faculty, 297 undergraduate majors and 66 graduate students. UNH is a land-, sea-, and space-grant institution and serves as the flagship public research institution of New Hampshire. It is located in the vibrant seacoast area of the state, with easy access to the White Mountains and to Boston. See [www.cs.unh.edu](http://www.cs.unh.edu) for more information about UNH and the department.

Submit a cover letter, brief statement of teaching experience and interests, complete CV, and contact information for three professional references at

# Professional Opportunities

<http://academicjobsonline.com>. Evaluation of applications will commence in late October 2015. Applications will be reviewed as they are received, until the position is filled.

UNH is an Equal Opportunity, Equal Access, Affirmative Action institution and is a recent recipient of a National Science Foundation ADVANCE award to promote hiring and advancement of women in science and engineering. Application by members of all underrepresented groups is encouraged.

Apply Here: <https://academicjobsonline.org/ajo/jobs/6590>

## University of New Hampshire, Durham, New Hampshire, USA

*Department of Computer Science*

*Two Tenure-Track Assistant Professor Positions*

The Department of Computer Science at the University of New Hampshire (UNH) invites applications for two full-time tenure-track positions to begin August 2016. Exceptionally qualified candidates may be considered for appointment at a higher rank for one position. Candidates should have a focus in Cybersecurity, Data Science / Machine Learning / Robotics, or Data Visualization / Graphics / Human-Computer Interaction (all broadly defined). A Ph.D. (or equivalent degree) in computer science or a closely related discipline is required by the time of appointment.

Candidates should have a record of excellent research and a clear potential for excellent teaching. The teaching load will be one course per semester for the first three years to give the new hire ample time to mentor graduate students and grow a successful funded research program.

The Department offers B.S., M.S., and Ph.D. degrees and currently has 16 faculty, 290 undergraduate majors, and 70 graduate students. UNH is a land-, sea-, and space-grant university and serves as the flagship

public research institution of New Hampshire. It is located in the vibrant seacoast area of the state, with easy access to both Boston and the White Mountains. UNH is an Equal Opportunity, Equal Access, and Affirmative Action institution and is a recent recipient of a National Science Foundation ADVANCE award to promote hiring and advancement of women in science and engineering. We especially encourage applications by members of underrepresented groups.

To apply, submit a cover letter, a complete CV, brief research and teaching statements, sample publications, and contact information for at least three references at <https://academicjobsonline.org/ajo/jobs/6601>

Applications will be reviewed as they are received until the position is filled, with those received by January 3, 2016 ensured of full consideration.

## University of Newcastle (Australia)

*Electrical Engineering and Computer Science - Faculty of Engineering and Built Environment*

*Associate Professor in Software Engineering - Position No. 2865*

Built on the principles of equity, excellence and engagement, the University of Newcastle (UON) has a reputation as a world-class institution making an impact within our regions, throughout Australia and across the globe. At just 50 years of age, we are already ranked among the top 3% of universities world-wide and our passion for innovation and discovery will ensure our star continues to rise. Being part of a university on the move gives our people the opportunity to really make a mark in their chosen field.

The Associate Professor will provide leadership to the discipline of Computer and Software Engineering and will foster a collaborative and globally competitive teaching and research environment.

Applications close: Tuesday 5 January 2016

Before submitting your application please read the important information contained in the Application Process guide at: [www.newcastle.edu.au/about-uon/jobs-at-uon/job-vacancies/application-process](http://www.newcastle.edu.au/about-uon/jobs-at-uon/job-vacancies/application-process)

## University of North Carolina at Chapel Hill

*Tenure-Track Faculty Positions*

The Computer Science Department of the University of North Carolina at Chapel Hill invites applications for tenure-track faculty positions at the level of Assistant Professor to begin on or after July 1, 2016. We are seeking exceptional candidates with a strong research record in any of the following areas: systems, data science, robotics, cyber-physical systems, and natural language processing.

For more information, and to apply, please visit <http://unc.peopleadmin.com/postings/87312>.

## UNC Charlotte

*Department of Computer Science*

*Faculty Positions*

The **Department of Computer Science** at the University of North Carolina at Charlotte (<http://cs.uncc.edu/>) seeks candidates for multiple positions at the rank of assistant or associate professor:

1. *Data management* (scalable/mobile/web/crowd-sourced data management, VLDB, data warehousing, knowledge discovery), computational statistics (exploratory methods, analysis of very large datasets, stochastic modeling, and other computationally-intensive methods) or financial analytics (data and text mining, simulation and predictive modeling, risk models with applications in financial services). This is a tenure track position.



# Professional Opportunities

2. *Cognitive science* with research interests in computational modeling of the influence of cognitive and affective processes as they relate to health, education, robotics, etc. Cognitive Science program at UNCC is organized as a collaboration between Computer Science and Psychology departments. This is a tenure track position.
3. *Cloud Computing* with research interests in distributed computing, virtualization, resource management, programming and application models, data-intensive cloud infrastructure or dependability. This is a tenure track position.
4. *Assistant / Associate Teaching Professor* will engage in curricular and instructional innovation, scholarship of teaching, student recruitment, advising and service. The appointment will be for three or five years, depending on rank, and is eligible for renewal. The position is not eligible for tenure.

Anticipated start is Fall 2016, with application review initiating in early January 2016. Applications must be made electronically at <https://jobs.uncc.edu>. Detailed description of all positions and the application process can be found at our Web site (<https://cci.uncc.edu/college/open-positions>). For questions, please contact Ms. Caroline Kennedy ([cekenne@uncc.edu](mailto:cekenne@uncc.edu)).

UNC Charlotte is North Carolina's urban research university. Located in the state's largest metropolitan area, it is among the fastest growing universities in the UNC System and nationwide. The Department doubled its size over the past 5 years and is currently the academic home for over 1,400 students pursuing BA, BS, MS, and PhD degrees. Department's current research and education strengths in big data area include visual and video analytics, machine learning, natural language processing, knowledge discovery and cognitive computing.

As an EOE/AA employer and an ADVANCE Institution that strives to create an academic climate in which the dignity of all individuals is respected and maintained, the University of North Carolina at Charlotte encourages applications from all underrepresented groups. All finalists are subject to criminal background checks.

## UNC Charlotte

### *Faculty Positions in SIS Department*

The Department of Software and Information Systems at UNC Charlotte has strengths in cyber security, human centered design, intelligent systems and analytics, and health informatics. SIS is in a phase of significant growth in the number of students and faculty. Applications are solicited for multiple tenured/tenure-track faculty positions in cyber security and human computer interaction (HCI), as well as a teaching faculty position.

- Cyber Security (position numbers #1754, #1851, and #6281): SIS has a strong program in information assurance. We are designated as a CAE/IAE and CAE/R institution by DHS and NSA. Applications are solicited for 3 tenure-track or tenured positions at all ranks with priority given to applicants that specialize in system security, data security and privacy, secure cyber-physical systems, and security analytics.
- HCI Design (position number #4650): SIS has 4 faculty members in HCI that research and design engaging, usable, and novel interactive techniques and systems to improve user experience and augment creativity. We seek applicants that complement our current strengths, with priority given to ubiquitous computing, mobile technologies, social computing, and interactive data analytics.
- Teaching Faculty position (position number #3757): The College has an active Center for Education Innovation and has been awarded

1 of 6 NSF funded projects on revolutionizing engineering education. Teaching faculty are expected to teach up to 3 courses a semester and contribute to the development of innovative curriculum and educational advances. We have specific needs for expertise in IT infrastructure, systems implementation, integration and design, and web/mobile application development.

Salary will be highly competitive. Special consideration will be given to increasing the number of faculty in under-represented groups. Applicants must have a Ph.D. in Computer Science, Informatics, or a related field, as well as a strong commitment to research and education. Application review will begin in November 2015, and will continue until the positions are filled.

Applications must be submitted online at <https://jobs.uncc.edu/>. The application package should include a cover letter, curriculum vitae, a statement of teaching interests, a statement of research interests, copies of three representative scholarly publications, and a list of three references. For questions or additional information, visit <https://cci.uncc.edu/college/open-positions> or email [search-sis-group@uncc.edu](mailto:search-sis-group@uncc.edu).

As an EOE/AA employer and an ADVANCE Institution that strives to create an academic climate in which the dignity of all individuals is respected and maintained, the University of North Carolina at Charlotte encourages applications from all underrepresented groups including minorities, women, individuals with disabilities, and protected veterans to apply. All finalists are subject to criminal background checks.



# Professional Opportunities

## University of North Dakota

*Department of Computer Science*

*Post-Doctoral Researcher*

*Position Category: Combinatorial  
Optimization, Evolutionary Algorithms*

Position Description: The University of North Dakota is looking to hire a post-doctoral research assistant in the department of computer science under a collaborative grant to develop software to develop optimization strategies for operations at a FedEx hub. The postdoctoral researcher assistant should have expertise in combinatorial optimization and/or evolutionary algorithms. Experience in high performance computing and big data is beneficial, but not required. The term of the position will be at least a year and begin January 2016.

Application Instructions: A letter of application, resume, and the names and telephone numbers and/or email addresses of three references are requested. Please submit materials via email to: Travis Desell ([tdesell@cs.und.edu](mailto:tdesell@cs.und.edu)).

## University of Northern Iowa, Cedar Falls, Iowa

*Department of Computer Science*

*Assistant Professor of Computer Science*

The department invites applications for a tenure-track assistant professor position to begin August 2016. Applicants must hold a Ph.D. in Computer Science or a closely-related discipline. The department seeks candidates able to teach and conduct research in software engineering, as well as to participate broadly in the CS curriculum.

Detailed information about the position and the department are available at <http://www.cs.uni.edu/>. To apply, visit <http://jobs.uni.edu/>. Applications received by January 15, 2016, will be given full consideration. Pre-employment background checks are required.

UNI actively seeks to enhance diversity and is an Equal Opportunity/Affirmative Action employer. The University encourages applications from persons of color, women, individuals living with disabilities, and protected veterans. All qualified applicants will receive consideration for employment without regard to age, color, creed, disability, gender identity, national origin, race, religion, sex, sexual orientation, protected veteran status, or any other basis protected by federal and/or state law. *UNI is a smoke-free campus.*

## University Of Oregon

*Department Of Computer and Information  
Science*

*Faculty Position*

The Department of Computer and Information Science (CIS) seeks applications for two tenure track faculty positions at the rank of Assistant Professor, beginning September 2016. The University of Oregon is an AAU research university located in Eugene, two hours south of Portland, and within one hour's drive of both the Pacific Ocean and the snow-capped Cascade Mountains.

The open faculty positions are targeted towards the following two research areas: 1) networking and distributed systems and 2) data sciences. We are particularly interested in applicants whose research addresses security and privacy issues in these sub-disciplines and/or complements existing strengths in the department, so as to support interdisciplinary research efforts. Applicants must have a Ph.D. in computer science or closely related field, a demonstrated record of excellence in research, and a strong commitment to teaching. A successful candidate will be expected to conduct a vigorous research program and to teach at both the undergraduate and graduate levels.

We offer a stimulating, friendly environment for collaborative research both within the department – which expects to grow

substantially in the next few years – and with other departments on campus. The CIS Department is part of the College of Arts and Sciences and is housed within the Lorry Lokey Science Complex. The department offers B.S., M.S. and Ph.D. degrees. More information about the department, its programs and faculty can be found at <http://www.cs.uoregon.edu>.

Applications will be accepted electronically through the department's web site. Application information can be found at <http://www.cs.uoregon.edu/Employment/>. Applications received by December 15, 2015 will receive full consideration. Review of applications will continue until the positions are filled. Please address any questions to [faculty.search@cs.uoregon.edu](mailto:faculty.search@cs.uoregon.edu).

The UO is an equal opportunity, affirmative action institution committed to cultural diversity and compliance with the ADA. The University encourages all qualified individuals to apply, and does not discriminate on the basis of any protected status, including veteran and disability status.

## University of Pennsylvania - Philadelphia, PA

*Computer Science*

*Postdoctoral Researcher in Natural  
Language Processing for Social Science*

We invite applicants for a postdoctoral research position in natural language processing for health and social science, working on an interdisciplinary research project studying subjective well-being and health outcomes. The researcher will help develop state-of-the-art methods and models to better understand people, such as predicting personality from the words they use and automatically recognizing cognitive distortions typical of people prone to depression.

The ideal candidate will have research experience in computational linguistics and

# Professional Opportunities

applied machine learning. She or he will develop and code novel methods to leverage large datasets (i.e. billions of tweets) and use them to further our understanding of health, well-being, and the psychological states of individuals and large populations. Methods and results will be published in high impact computer science venues and, via collaboration with psychologists and medical doctors, in social science and health venues. See [wwbp.org](http://wwbp.org) for example publications.

**Application Deadline:** December 15, 2015

**Approximate Start Date:** March 1, 2016

**How to Apply:** Send a detailed CV with at least 2 references who can be contacted for letters to [applications@wwbp.org](mailto:applications@wwbp.org). Include job-code "POSTDOC-CS" in subject line.

The University of Pennsylvania is an EOE/Affirmative Action Employer. Position contingent on funding.

**Primary Contact:** Professor Lyle Ungar, [ungar@cis.upenn.edu](mailto:ungar@cis.upenn.edu)

## University of Pittsburgh

*Department of Electrical and Computer Engineering (ECE)*

*Chair*

The Swanson School of Engineering at the University of Pittsburgh (<http://www.engineering.pitt.edu/>) invites applications and nominations for the position of Chair of the Department of Electrical and Computer Engineering (<http://www.engineering.pitt.edu/ECE/>). We are looking for an energetic leader with a vision to inspire innovative research and educational programs. A successful candidate must have a strong record of academic and professional accomplishments to support an appointment as a full professor with tenure.

The Department has a tradition of excellence in education and research, with many of our faculty winning awards for outstanding teaching. Research activities are organized

around four main areas: (1) Biomedical Electronics and Signal Processing, (2) Energy and Electric Power Systems and Technologies, (3) Nano/Micro-Electronics & Photonics, and (4) Cyber Systems and Technologies. All four of these focus areas fall under the theme of "Reshaping the World on All Scales." The Department faculty members have significant research collaborations with their colleagues from other engineering departments, the Center for Energy (<http://www.engineering.pitt.edu/cfe/>), the Peterson Institute for NanoScience and Engineering (<http://www.nano.pitt.edu/>), the School of Medicine, and departments from the Dietrich School of Arts and Sciences. Current annual research expenditures are around \$4.5 million.

The Department currently has 25 faculty members and offers BS, MS, and PhD degrees in Electrical Engineering and Computer Engineering (jointly with the Department of Computer Science). Current enrollment consists of 436 undergraduate and 175 graduate students. The Swanson School of Engineering just completed a \$100 million renovation and redesign of Benedum Engineering Hall with state-of-the-art teaching and research laboratories, which is the Department home.

The University of Pittsburgh, located just minutes from downtown, is adjacent to the University of Pittsburgh Medical Center and Carnegie Mellon University. The Pittsburgh metropolitan area has all the amenities of a large urban area including major sports, theatre, opera, ballet, symphony, museums, zoo, etc. The urban renaissance in Pittsburgh is directly attributable to the strong growth in high tech industries, such as information/computer technology, robotics, and biotechnology.

Review of applications will begin on December 1, 2015 and applications will be accepted until the position is filled. The start date for this position is on or after

September 1, 2016. Please send nominations or application materials (*curriculum vitae*, names and contact information of at least three references, and any other documents deemed relevant) electronically to Ms. Nancy Donaldson ([dnldson@pitt.edu](mailto:dnldson@pitt.edu)) and Dr. Sanjeev Shroff, Chair, Electrical and Computer Engineering Chair Search Committee ([sshroff@pitt.edu](mailto:sshroff@pitt.edu)).

We highly encourage candidates from underrepresented US minority groups and/or females to apply for this position. The University of Pittsburgh is an affirmative action/equal opportunity employer and does not discriminate on the basis of age, color, disability, gender, gender identity, marital status, national or ethnic origin, race, religion, sexual orientation or veteran status.

## University of Richmond, Richmond, VA

*Department of Mathematics and Computer Science*

*Assistant Professor of Computer Science*

The University of Richmond invites applications for a tenure-track Assistant Professor position in Computer Science to begin August 2016.

For additional information and to apply, please visit: <https://richmond.csod.com/ats/careersite/JobDetails.aspx?id=690>

## The University of Rochester

*All-Level Faculty Positions in Interdisciplinary Research in Data Science*

The University of Rochester has made data science the centerpiece of its 5-year strategic plan, committing to 20 new faculty lines in diverse areas, a new building, and the establishment of the Goergen Institute for Data Science. We are currently seeking applicants for tenure track or tenured positions in interdisciplinary research areas within data science. This search

# Professional Opportunities

complements department-specific searches in data science currently underway.

The interdisciplinary search focuses on recruiting candidates who are excited about engaging in collaborative research that connects advances in computational models and methods to the humanities, sciences, or medicine. Successful candidates will receive a primary appointment in one of the departments supporting the search, and a secondary appointment in at least one other department. Departments and programs supporting this search include Biomedical Engineering, Brain & Cognitive Sciences, Computer and Electrical Engineering, Computer Science, Digital Media Studies (a program of Art & Art History, English, and History), Linguistics, and Political Science. Potential cross-appointments with the School of Medicine and Dentistry will also be considered.

Focus areas for this year's interdisciplinary search are:

- **Neurally-inspired Computing:** Research in artificial neural networks, including the fundamental theory of deep learning, practical applications to tasks such as perception, or as a tool for modeling and understanding biological neural networks.
- **Computer Vision and Image Analysis:** Research in the theory and applications of computational methods of image or video understanding, with a particular interest in applications to biomedicine or the humanities.
- **Computational Linguistics:** Research in the theory or applications of natural language processing, with a particular interest in applications to linguistics, the social sciences, or the humanities.

Apply online at: <https://www.rochester.edu/faculty-recruiting>.

Direct questions about the search (but not applications) to [michelle.vogl@rochester.edu](mailto:michelle.vogl@rochester.edu).

For more information about the Goergen Institute for Data Science, visit <http://www.rochester.edu/data-science>.

Applicants should hold a PhD and will be required to supply a set of refereed scholarly publications, names of references, and research and teaching statements. The application will ask applicants to select a set of disciplines most relevant to their research area. Review of applications at any rank will begin immediately and continue until the positions are filled. For full consideration, applications should be completed by January 15th, 2016.

The University of Rochester is a private, Tier I research institution located in western New York State. It consistently ranks among the top 30 institutions, both public and private, in federal funding for research and development. The university has made substantial investments in computing infrastructure through the Center for Integrated Research Computing (CIRC) and the Health Sciences Center for Computational Innovation (HSCCI). The university includes the Eastman School of Music and the University of Rochester Medical Center, a major medical school, research center, and hospital system. The greater Rochester area is home to over a million people, including 80,000 students who attend the 8 colleges and universities in the region.

The University of Rochester has a strong commitment to diversity and actively encourages applications from candidates from groups underrepresented in higher education. The University is an Equal Opportunity Employer.

## University of Rochester

*Faculty Positions in Computer Science:  
Experimental Systems and AI/HCI*

The University of Rochester Department of Computer Science <https://www.cs.rochester.edu> seeks applicants for two tenure track

positions in the broad areas of experimental systems and AI/HCI. Candidates must have a PhD in computer science or a related discipline. Our goal is to hire the best and the brightest who will thrive in our environment and complement our existing strengths in artificial intelligence, human-computer interaction, systems, and theory. Applicants in all areas of computer science are encouraged to apply. We are especially interested in growing research strengths in interdisciplinary work that combines AI and HCI or systems, in addition to research in databases, networks, scalable systems, security, and computer vision.

Apply online at <https://www.rochester.edu/faculty-recruiting/login>

Consideration of applications at any rank will begin immediately and continue until all interview slots are filled. Candidates should apply no later than January 1, 2016 for full consideration. Applications that arrive after this date risk being overlooked or arriving after the interview schedule has been filled.

The Department of Computer Science is research focused, with a distinguished history of contributions in artificial intelligence, HCI, systems, and theory. We have a collaborative culture and strong ties to electrical and computer engineering, brain and cognitive science, linguistics, and several departments in the medical center. We also have a growing Institute for Data Science with potential for synergistic collaboration opportunities and more joint hires. Over the past decade, a third of the department's PhD graduates have won tenure-track faculty positions, and its alumni include leaders at major research laboratories such as Google, Microsoft, and IBM.

The University of Rochester is a private, Tier I research institution located in western New York State. It consistently ranks among the top 30 institutions, both public and private, in federal funding for research and development. The university has made substantial investments in computing

# Professional Opportunities

infrastructure through the Center for Integrated Research Computing (CIRC) and the Health Sciences Center for Computational Innovation (HSCCI). Half of all undergraduates have traditionally gone on to post-graduate or professional education. The university includes the Eastman School of Music, a premiere music conservatory, and the University of Rochester Medical Center, a major medical school, research center, and hospital system. The greater Rochester area is home to over a million people, including 80,000 students who attend its 8 colleges and universities. Traditionally strong in optics research and manufacturing, it was recently selected by the Department of Defense as the hub of a \$360M-plus Integrated Photonics Institute for Manufacturing Innovation.

The University of Rochester has a strong commitment to diversity and actively encourages applications from groups underrepresented in higher education. The University is an Equal Opportunity Employer.

EOE Minorities / Females / Protected Veterans / Disabled

## University of South Carolina Beaufort

### *Two Positions*

The Department of Mathematics and Computational Science at the University of South Carolina Beaufort <http://www.uscb.edu/> invites applications for two positions; a tenure-track faculty position in Computational Science beginning August 2016 and 9-month, fulltime Instructor position in Computational Science also beginning August 2016. Besides teaching and research, responsibilities include professional and university service. Salary is competitive and commensurate with qualifications and experience. Summer school teaching is possible on an as needed basis.

The tenure track faculty position requires candidate to have an earned doctorate in

field of Computer/Computational Science or Computational Engineering at the time of employment. Successful candidates will be able to teach undergraduate courses in Computer/Computational Science (particularly in data analytics and high performance computing) and/or Computational Mechanical Engineering or Computational Aerospace engineering. Preferred candidate will have the ability to establish and maintain an independent, externally-funded research program in his/her discipline, a strong commitment to undergraduate teaching, and excellent communication skills. Of particular interest are candidates willing to engage in collaborative research with colleagues in other science or engineering disciplines.

For the instructor position, the normal teaching load at USCB is 15 credit hours per semester. The successful candidate will need to maintain regular office hours, to provide service to the department and university, and to perform other related duties as assigned. Candidates must have an earned master's degree in the field of computer or computational science or a closely related discipline from a regionally accredited university. The preferred candidate will have college teaching experience, a strong commitment to working with undergraduate students, the ability and passion to help in developing new courses in Computational Science, willingness and capacity to manage computational labs, and high personal motivation and responsibility.

Applicants must submit on-line a cover letter, curriculum vitae, statements of research interest and teaching philosophy, and copies of graduate transcripts. Three letters of recommendation (with at least one letter addressing teaching) must be received no later than Feb 1, 2016.

Items required which cannot be submitted electronically should be mailed to Chair, Computational Science Search Committee, c/o Human Resources, University of SC Beaufort,

One University Boulevard, Bluffton, SC 29909. Official transcripts will be required for finalists. If you have any problems or questions using the on-line system please contact the USCB Human Resources Office at 843-208-8144 for assistance.

Application deadline is Feb 1, 2016.

Applicants must use the online application form. <https://uscjobs.sc.edu/applicants/Central?quickFind=73015>

The University of South Carolina is an Affirmative Action/Equal Opportunity Institution. Women and minorities are encouraged to apply.

## The University of South Dakota, Vermillion, SD-57069

### *Tenure-Track Assistant Professor(s)*

The Department of Computer Science at The University of South Dakota (RU/H: Research Universities) invites applications for one or more tenure-track positions at the Assistant Professor level starting Fall 2016.

**Qualifications:** (i) Ph.D. in any area of computer science or computer information systems. (ii) Demonstrated research creativity and productivity. (iii) Ability to develop a strong research program. (iv) A strong commitment to excellence in education at both the undergraduate and graduate level.

Applications must be submitted online at: <https://yourfuture.sdbor.edu/applicants/Central?quickFind=59655>

**Review begins immediately and continue until the position is filled. For full consideration, application materials must be received by January 11, 2016.**

EEO/AA



# Professional Opportunities

## University of South Florida

*Computer Science, Computer Engineering,  
and Information Technology*

### *Instructor Positions*

Applications are invited for open an Instructor positions in the Department of Computer Science and Engineering. We are seeking an instructor who can teach a broad range of Computer Science, Computer Engineering, and/or Information Technology core and elective courses at the undergraduate and graduate level. The University offers a promotion path for instructors. Salary will be commensurate with qualifications and experience. Candidates must have completed, or be near completion of, a Ph.D. degree in computer science, computer engineering, information technology, or a related discipline. Successful candidates are expected to start fall 2016.

The Department of Computer Science and Engineering at USF is on an upward path in increasing faculty and instructional staff, student enrollment, and external research funding. It currently has 24 research-focused tenure-track faculty and seven full-time instructors. Among the faculty are Distinguished University Professors, ACM, IEEE, and IAPR fellows, and nine NSF CAREER awardees. The Department offers three BS and MS degrees (in Computer Science, Computer Engineering, and Information Technology) and a PhD in Computer Science and Engineering. The total enrollment is approximately 650 undergraduate students, 120 MS students, and 77 PhD students. Enrollment is growing in all programs at this time.

For further information and for application instructions, please see our faculty search website: <http://www.usf.edu/engineering/cse/about/facultysearch.aspx>.

For questions please send email to [faculty-search@cse.usf.edu](mailto:faculty-search@cse.usf.edu). Applications will be considered starting immediately until the positions are filled.

The University of South Florida is an Equal Opportunity / Equal Access / Affirmative Action Institution. Women and minorities are strongly encouraged to apply.

## University of South Florida

*Computer Science and Engineering*

### *Department Chair*

The Department of Computer Science and Engineering at the University of South Florida is seeking an outstanding scholar with credentials commensurate with appointment to full professor to chair the Department. The candidate is expected to provide a vision and to work with the faculty to lead the Department to international prominence. The Chair reports to the Dean of the College of Engineering and will lead efforts to achieve the strategic goals of the Department as well as the College. These goals include increasing the number of PhD graduates, and developing cross-disciplinary, multi-institution, and industry relationships for large team research efforts. The ideal candidate has an outstanding record of both scientific accomplishments and administrative leadership, ability to recruit, mentor and retain diverse first-rate faculty, and ability to maintain a collegial and ethical environment.

The Department of Computer Science and Engineering at USF is on an upward path in increasing faculty and instructional staff, student enrollment and external research funding. It currently has 24 research-focused tenure-track faculty and seven full-time instructors. Among the faculty are Distinguished University Professors, ACM, IEEE, and IAPR fellows, and nine NSF CAREER awardees. Research strengths cross areas including computer vision, cybersecurity, distributed systems, VLSI Design and CAD. The Department offers three BS and MS degrees (in Computer Science, Computer Engineering, and Information Technology) and a PhD in Computer Science and Engineering. The total enrollment is approximately 650

undergraduate students, 120 MS students, and 77 PhD students. Enrollment is growing in all programs at this time.

The University of South Florida is a high-impact, global research university dedicated to student success. USF is a Top 50 research university among both public and private institutions nationwide in total research expenditures, according to the National Science Foundation. Serving nearly 48,000 students, the USF System has an annual budget of \$1.5 billion and an annual economic impact of \$4.4 billion. USF is a member of the American Athletic Conference.

An application package should include a cover letter, curriculum vitae, statements describing research and administrative experience, and the names and contact information of professional references. Application materials are to be submitted online. See <http://www.usf.edu/engineering/cse/about/chair-search.aspx> for instructions. Send email to [chair-search@cse.usf.edu](mailto:chair-search@cse.usf.edu) for questions. Applications will be considered starting immediately until the position is filled.

The University of South Florida is an Equal Opportunity/Equal Access/Affirmative Action Institution. Women and minorities are strongly encouraged to apply. Dual career couples with questions about opportunities are encouraged to contact the Chair of the search committee via [chair-search@cse.usf.edu](mailto:chair-search@cse.usf.edu).

## University of Southern California

*Marshall School of Business*

### *Tenure-Track Statistics Position*

The Department of Data Sciences and Operations within the USC Marshall School of Business invites applications for a tenure track position in Statistics starting in Fall 2016. Rank is open. Applicants must display strong research potential as well as excellent teaching skills. Candidates must have a Ph.D.



# Professional Opportunities

in statistics or a closely related field, or be assured of its completion by Fall 2016. We are interested in applicants from all areas of statistics. Applicants with interdisciplinary interests in statistics and machine learning are encouraged to apply.

The successful applicant will join a vibrant statistics group of 14 faculty. Remuneration is very competitive. In addition, generous research support for technology and travel is provided for all faculty. Teaching loads are generally low with many faculty completing their teaching assignment in one semester.

Interested candidates should apply at: <http://jobs.usc.edu/postings/57713>

Please submit your cover letter, curriculum vita, copies of representative research papers, research statement, three references, and any teaching evaluations.

Our search will continue until the position is filled. For full consideration please ensure that all application materials are uploaded by December 15, 2015.

Information about the Data Sciences and Operations department, its faculty and the Marshall school can be obtained at: <http://www.marshall.usc.edu/dso>.

Located near the heart of Los Angeles, the University of Southern California is home to approximately 40,000 students and 5,000 faculty members. USC Marshall is renowned for its high-ranking undergraduate, graduate, international and executive education programs, an exceptional faculty engaged in leading-edge research, a diverse and creative student body, and a commitment to technological advancement. The research productivity of Marshall's 200 full-time faculty ranks among the top 15 business schools in the world.

USC is an equal-opportunity educator and employer, proudly pluralistic and firmly committed to providing equal opportunity for outstanding persons of every race, gender, creed and background. The University

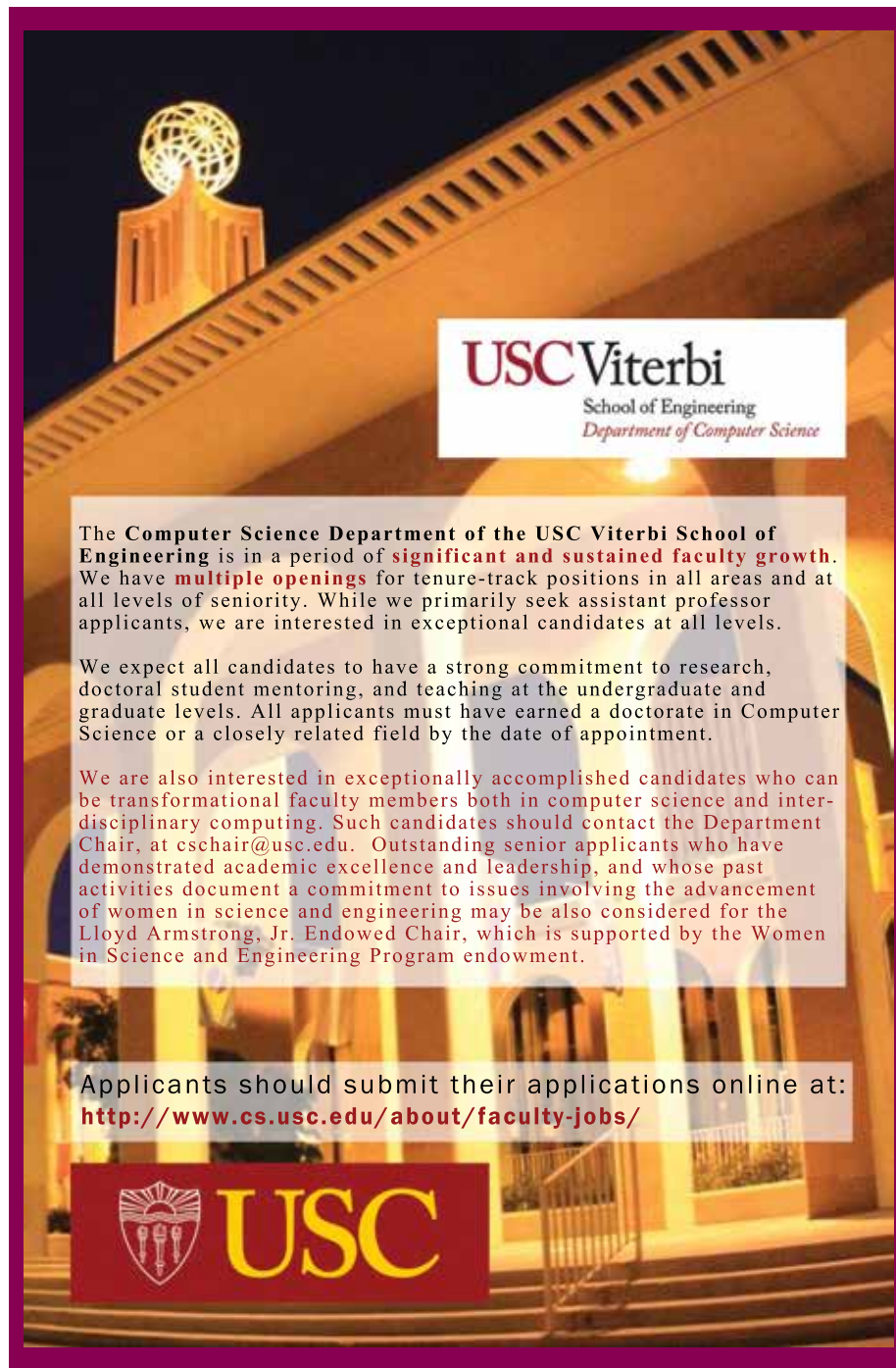
particularly encourages women, members of underrepresented groups, veterans and individuals with disabilities to apply. USC will make reasonable accommodations for qualified individuals with known disabilities unless doing so would result in an undue hardship. Further information is available by contacting [uschr@usc.edu](mailto:uschr@usc.edu).

## University of Southern California

*Computer Science Department*

*Multiple Teaching Faculty Positions in Computer Science & Informatics*

The Computer Science Department of the USC Viterbi School of Engineering is in a period of significant and sustained faculty growth. We



The advertisement features a background image of the USC Viterbi School of Engineering building at night, illuminated with warm lights. The USC Viterbi School of Engineering Department of Computer Science logo is prominently displayed in the upper right. The main text, enclosed in a white box, reads: "The Computer Science Department of the USC Viterbi School of Engineering is in a period of **significant and sustained faculty growth**. We have **multiple openings** for tenure-track positions in all areas and at all levels of seniority. While we primarily seek assistant professor applicants, we are interested in exceptional candidates at all levels. We expect all candidates to have a strong commitment to research, doctoral student mentoring, and teaching at the undergraduate and graduate levels. All applicants must have earned a doctorate in Computer Science or a closely related field by the date of appointment. We are also interested in exceptionally accomplished candidates who can be transformational faculty members both in computer science and interdisciplinary computing. Such candidates should contact the Department Chair, at [eschair@usc.edu](mailto:eschair@usc.edu). Outstanding senior applicants who have demonstrated academic excellence and leadership, and whose past activities document a commitment to issues involving the advancement of women in science and engineering may be also considered for the Lloyd Armstrong, Jr. Endowed Chair, which is supported by the Women in Science and Engineering Program endowment." Below this, another white box states: "Applicants should submit their applications online at: <http://www.cs.usc.edu/about/faculty-jobs/>". At the bottom, the USC logo is displayed in a red box.

# Professional Opportunities

currently have many exciting openings for positions on the non-tenure-track.

We are seeking candidates for teaching positions (all ranks) to teach undergraduate and graduate courses in the Computer Science and Informatics programs. These are full time, benefits eligible faculty positions on the non-tenure track. Competitive candidates will have the training and experience necessary to teach effectively in a highly-ranked Computer Science department that advances undergraduate students through an accredited BS degree program and graduate students enrolled in MS and PhD programs. While we are interested in candidates with backgrounds in all areas of Computer Science we are particularly interested in candidates with expertise in Algorithms, Artificial Intelligence, Databases, Games, Informatics, Programming Languages, Networks/Systems, and Software Engineering. Relevant industry experience is valued for candidates interested in teaching games-related courses.

These are primarily teaching positions; all candidates are expected to have a strong commitment to teaching. Faculty will spend the majority of their time on teaching and teaching-related duties with reduced obligation for research and University service. Qualified candidates should have a doctoral degree in Computer Science (or equivalent) by the date of appointment. Salary and benefits are competitive. While we seek applications at the level of Lecturer, in exceptional cases, applicants with longer teaching experience may also be considered for a commensurate position (e.g., Senior Lecturer).

Applicants should submit their applications online at: <http://www.cs.usc.edu/about/faculty-jobs/>

Applications must include a cover letter, a detailed curriculum vitae, a teaching statement, and names of at least three

professional references, at least two of whom must be familiar with, and able to comment on, the applicant's teaching experience. Applicants may also optionally include a research statement.

The USC Viterbi School of Engineering is among the top tier engineering schools in the world. It counts 180 full-time, tenure-track faculty members, and it is home to the Information Sciences Institute, two National Science Foundation Engineering Research Centers, a Department of Energy EFRC (Energy Frontiers Research Center), and the Department of Homeland Security's first University Center of Excellence, CREATE. The school is affiliated with the Alfred E. Mann Institute for Biomedical Engineering, the Institute for Creative Technologies and the USC Stevens Center for Innovation. Research expenditures typically exceed \$180 million annually. With 37 tenure-track, 33 research faculty, and 11 teaching faculty, the USC Department of Computer Science is one of the nation's leading centers of research and education in the field.

USC is an equal-opportunity educator and employer, proudly pluralistic and firmly committed to providing equal opportunity for outstanding persons of every race, gender, creed and background. The University particularly encourages women, members of underrepresented groups, veterans and individuals with disabilities to apply. USC will make reasonable accommodations for qualified individuals with known disabilities unless doing so would result in an undue hardship. Further information is available by contacting [uschr@usc.edu](mailto:uschr@usc.edu).

## University of Southern California – Viterbi School of Engineering, Los Angeles, CA

*Computer Science Department*

*Multiple Tenure-track Faculty Positions*

USC Viterbi School of Engineering - Computer Science Department – Multiple Tenure-track Faculty Positions

The [Computer Science Department](#) of the [USC Viterbi School of Engineering](#) is in a period of significant and sustained faculty growth. We have multiple openings for tenure-track positions in all areas and at all levels of seniority. While we primarily seek assistant professor applicants, we are interested in exceptional candidates at all levels.

We expect all candidates to have a strong commitment to research, doctoral student mentoring, and teaching at the undergraduate and graduate levels. All applicants must have earned a doctorate in Computer Science or a closely related field by the date of appointment.

We are also interested in exceptionally accomplished candidates who can be transformational faculty members both in computer science and interdisciplinary computing. Such candidates should contact the Department Chair, at [cschair@usc.edu](mailto:cschair@usc.edu). Outstanding senior applicants who have demonstrated academic excellence and leadership, and whose past activities document a commitment to issues involving the advancement of women in science and engineering may be also considered for the Lloyd Armstrong, Jr. Endowed Chair, which is supported by the Women in Science and Engineering Program endowment.

Applicants should submit their applications online at: <http://www.cs.usc.edu/about/faculty-jobs/>.

Applications must include a cover letter indicating the applicant's area of specialization, detailed curriculum vitae, a

# Professional Opportunities

statement on current and future research directions, a teaching statement, and names of at least three professional references. Applications should be submitted by December 15, 2015. Applications received after this deadline may not be considered.

The USC Viterbi School of Engineering is among the top tier engineering schools in the world. It counts 180 full-time, tenure-track faculty members, and it is home to the Information Sciences Institute, two National Science Foundation Engineering Research Centers, a Department of Energy EFRC (Energy Frontiers Research Center), and the Department of Homeland Security's first University Center of Excellence, CREATE. The school is affiliated with the Alfred E. Mann Institute for Biomedical Engineering, the Institute for Creative Technologies and the USC Stevens Center for Innovation. Research expenditures typically exceed \$180 million annually. With 37 tenure-track, 33 research faculty, and 10 teaching faculty, the USC Department of Computer Science is one of the nation's leading centers of research and education in the field.

USC is an equal-opportunity educator and employer, proudly pluralistic and firmly committed to providing equal opportunity for outstanding persons of every race, gender, creed and background. The University particularly encourages women, members of underrepresented groups, veterans and individuals with disabilities to apply. USC will make reasonable accommodations for qualified individuals with known disabilities unless doing so would result in an undue hardship. Further information is available by contacting [uschr@usc.edu](mailto:uschr@usc.edu).

## University of Sussex

*School of Engineering and Informatics*

*Department of Informatics*

*Research Fellow in Human-computer Interaction for Acoustic Levitation Ref: 537*

### Full time, fixed term for 36 months

Starting at £31,656 and rising to £37,768 per annum

Expected start date: 1st March 2016 or soon after

An exciting new position has become available to join the newly formed Interact lab at the School of Engineering and Informatics of the University of Sussex, to assist in the development of novel interactions using acoustic levitation systems.

This is a joint project with Professor: Bruce Drinkwater from the University of Bristol and has been funded by EPSRC. The project team comprises of this research fellow in Sussex, a research fellow at Bristol, an artist-in-residence, a project technician and Carbon Visuals (a data-physicalisation company).

The primary goal of this project is to apply the principles of acoustic levitation to create dynamic 3D physical shapes made of large collections of lightweight levitating objects, exploring its potential for human computer interaction and the creation of novel user experiences.

We will create the novel technology to generate multi-object physical levitation, identify user-interaction principles and create multiple system demonstrators. We will explore and demonstrate the potential of our techniques through an "artist-in-residence" scheme, where an artist will create interactive public demonstrations of our project results and prototypes. To this end, it is important that the Research Fellow is able to collaborate and coordinate his/her research activities with the artist.

The Research Fellow from Sussex will be expected to

1. Identify the design of light-weight objects that can be levitated; develop and implement the principles of how multiple smaller objects can be assembled to form larger objects (and vice versa).
2. Identify interaction design principles and visualisation techniques that can support users in their interactions with this new technology.  
The position will involve a variety of tasks: design and construction of light-weight objects that could be levitated, implementing acoustic algorithms, implement interaction techniques, conduct user-studies to identify interaction principles and publishing these results in scientific venues. The applicant will also be expected to help in the teaching of related units.  
The position would be suitable for someone with experience on technical aspects of one or more of the following areas
  - a. human-computer interaction (i.e. audio processing, interactive graphics, augmented reality systems and levitation),
  - b. acoustic signal processing (with some demonstrated interest and experience with human-computer interaction) a
  - c. Computer graphics (with some interest and experience in human-computer interaction and/or audio processing).

Some previous experience with electronics and using maker space tools (e.g. laser cutters, 3D printers) will be highly valued.

The research fellow will have considerable freedom in shaping the nature of the research project. So we seek a highly organised and motivated individual able to multi-task and work independently with minimal supervision while maintaining excellent attention to detail and bring energy and enthusiasm a vibrant research group. Excellent written and communication skills are also essential.

# Professional Opportunities

The Interact Lab is internationally renowned for its research in creating novel interactive devices for enabling new forms of human-computer interaction (HCI). HCI is about applying human abilities to the design of tools, systems, and environments that are safe, effective and comfortable for use.

The lab consists of two permanent members of Staff Professor. Subramanian and Dr Martinez Plasencia. Alongside these staff members it currently hosts three post-doctoral researchers, 3 PhD students and several visiting researchers. The work of lab members often attracts media attention and offers many public engagement opportunities. One of our successful lines of research is in the field of mid-air haptics and we would draw on our expertise in this topic to propel this area of acoustic levitation.

Employment will be subject to the right to work in the UK. You will work directly with Professor. Sriram Subramanian and Dr Diego Martinez, with a base in the Department of Informatics. You can find more information about the group at [www.interact-lab.com](http://www.interact-lab.com)

For informal inquiries please contact Professor. Subramanian, Department of Informatics, University of Sussex, Falmer, Brighton BN1 9QJ, UK; [sriram@sussex.ac.uk](mailto:sriram@sussex.ac.uk).

**Closing date for applications: 01 February 2016**

For full details and how to apply see [www.sussex.ac.uk/jobs](http://www.sussex.ac.uk/jobs)

*The University of Sussex is committed to equality of opportunity*

## University of Tennessee, Knoxville

*Department of Electrical Engineering & Computer Science*

*Seeking Full-time Postdoctoral Fellow in Machine Learning*

Description: The Fellow will conduct interdisciplinary research on deep learning architectures with a focus on next-generation challenges, including but not limited to capturing spatiotemporal regularities in observations, mitigating catastrophic forgetting and generalizing from a small set of examples. Moreover, the Fellow will investigate ways in which deep architectures can be mapped to massively-parallel hardware. This research intends to broadly demonstrate novel and practical ways in which large-scale machine learning systems can be realized using next-generation computing platforms.

Duties of this appointment will include investigating machine learning algorithms when considered for real-world, high-dimensional sensory inputs, studying optimization techniques in challenging settings, and generally assisting in guiding undergraduate and graduate students in their respective research efforts. The Fellow will have opportunities for assisting in the grant proposal process. The work is anticipated to yield high-quality publications in top-tier peer-reviewed conferences and journals.

Interested candidates should submit their most recent curriculum vitae and a brief research statement, along with complete contact information for 3 professional references. Apply at: [itamar@eecs.utk.edu](mailto:itamar@eecs.utk.edu) or [https://ut.taleo.net/careersection/ut\\_knoxville/jobdetail.ftl?job=I5000001AE](https://ut.taleo.net/careersection/ut_knoxville/jobdetail.ftl?job=I5000001AE).

## University of Tennessee at Martin

*Tenure Track Position*

The University of Tennessee at Martin seeks to fill a tenure track position as Assistant Professor of Computer Science beginning August 1, 2016. A PhD in Computer Science or a related field is required. Candidates who are ABD may apply for the position, but must have their dissertation defense completed before the appointment date. Candidates must teach a variety of computer science courses typical of a 4-year computer science program. Responsibilities include teaching, advising, curriculum development, assessment activities, university service, and scholarly activity. Effective pedagogic and communication skills are required.

Applications may be made at [http://www.utm.edu/departments/personnel/fac\\_emp.php](http://www.utm.edu/departments/personnel/fac_emp.php). A letter of application with a statement of teaching and research goals, a detailed resume, and names of three references along with their contact information must be attached. Review of applications will begin mid-October, 2015 and will continue until the position is filled.

## University of Texas at Austin

*Department of Computer Science*

*Assistant/Associate/Full Professor positions*

The Department of Computer Science of the University of Texas at Austin invites applications for tenure-track positions at all levels. Outstanding candidates in all areas of Computer Science will be considered, particularly in computer vision and machine learning. All tenured and tenure-track positions require a Ph.D. or equivalent degree in computer science or a related area at the time of employment.

Successful candidates are expected to pursue an active research program, to teach both graduate and undergraduate courses, and to supervise graduate students. The



# Professional Opportunities

department is ranked among the top ten computer science departments in the country.

It has 41 tenured and tenure-track faculty members across all areas of computer science. Many of these faculty participate in interdisciplinary programs and centers in the University, including the Texas Advanced Computing Center (TACC), and those in Computational and Applied Mathematics, Computational Biology, and Neuroscience.

Austin, the capital of Texas, is a center for high-technology industry, including companies such as IBM, Dell, Freescale Semiconductor, Advanced Micro Devices, National Instruments, AT&T, Intel and Samsung. For more information please see the department web page <http://www.cs.utexas.edu/>

The department prefers to receive applications online, beginning September 4, 2015. To submit yours, please visit <http://services.cs.utexas.edu/recruit/faculty>.

Applicants for an assistant professor position must have at least three (3) referees send letters of reference directly to the address provided. Applicants for a tenured position (associate or full professor) must have at least six (6) referees send letters of reference directly.

Inquiries about your application may be directed to [faculty-search@cs.utexas.edu](mailto:faculty-search@cs.utexas.edu). For full consideration of your application, please apply by January 31, 2016. Complete applications (including all reference letters) will begin being reviewed on December 15, 2015. Women and minority candidates are especially encouraged to apply. The University of Texas is an Equal Opportunity Employer.

## University of Texas at San Antonio

### *Faculty Positions in Computer Science*

The Department of Computer Science at The University of Texas at San Antonio invites applications for a tenured/tenure-track position at the assistant or associate professor level, starting Fall 2016. Interested candidates with research focus in one or more areas of system software, data science, high performance computing, or cloud computing are encouraged to apply.

See <http://www.cs.utsa.edu/fsearch> for information on the Department and application instructions. Screening of applications will begin immediately. Full consideration will be given to applications received by January 4, 2016, and the search will continue until the positions are filled or the search is closed. The University of Texas at San Antonio is an Affirmative Action/Equal Opportunity Employer.

### **Department of Computer Science**

#### **RE: Faculty Search**

#### **The University of Texas at San Antonio**

#### **One UTSA Circle**

#### **San Antonio, TX 78249-0667**

#### **Phone: 210-458-4436**

## University of Texas at Dallas

### *Tenured/Tenure-track Faculty Positions in Computer Science/Software Engineering*

The Department of Computer Science of The University of Texas at Dallas invites applications from outstanding applicants for multiple tenure-track positions in computer science. Candidates in all areas of Computer Science will be considered though the Department is particularly interested in areas of software engineering, machine learning, data science, cyber security, and information retrieval. Candidates must have a Ph.D. degree in Computer Science, Software Engineering, Computer Engineering or equivalent. The positions are open for

applicants at all ranks. Candidates for senior positions must have a distinguished record of research, publication, teaching and service, and demonstrated leadership ability in developing and expanding (funded) research programs. Junior candidates must show outstanding promise.

The Department offers B.S., M.S., and Ph.D. degrees both in Computer Science and Software Engineering, as well as in interdisciplinary fields of Telecom Engineering and Computer Engineering. Currently the Department has a total of 49 tenure-track faculty members and 30 senior lecturers. The Department is housed in a spacious 150,000 square foot facility and has excellent computing equipment and support. The Department houses a number of centers and institutes, particularly, in areas of cyber security, human language technology, and, net centric software.

The University is located in the most attractive part of the Dallas metropolitan area. There are over 800 high-tech companies within a few miles of the campus, including Texas Instruments, Alcatel, Ericsson, Hewlett-Packard, AT&T, Fujitsu, Raytheon, Rockwell Collins, Cisco, etc. Almost all the country's leading telecommunications companies have major research and development facilities in our neighborhood. Opportunities for joint university-industry research projects are excellent. The Department averages \$9 million in extramural research funding annually putting it in 34th rank nationally in the ASEE survey of research expenditures. The University and the State of Texas are also making considerable investment in commercialization of technology developed in University labs: a new start-up business incubation center was opened in September 2011.

For more information, contact Dr. Gopal Gupta, Department Head, via email ([gupta@utdallas.edu](mailto:gupta@utdallas.edu)) or send e-mail to [cs-search@utdallas.edu](mailto:cs-search@utdallas.edu) or view the internet web



# Professional Opportunities



## Open-Rank, Tenured or Tenure-Track, Faculty Position

The College of Engineering & Computer Science at the University of Texas Rio Grande Valley invites applications for an open-rank, tenured or tenure-track, faculty position in Computer Science to begin Fall 2016. UTRGV is a distributed campus with locations throughout the Rio Grande Valley, strategically located in deep South Texas at the center of social and economic change.

For more information and to apply, please visit: <https://careers.utrgv.edu/postings/9166>

page at <http://cs.utdallas.edu>. The search committee will begin evaluating applications on January 15th. Applications received on or before January 31st will get highest preference. Indication of gender and ethnicity for affirmative action statistical purposes is requested as part of the application.

Applicants should provide the following information: 1. CV, 2. statement of research and teaching interests, and 3. full contact information for five (5) professional references via the ONLINE APPLICATION FORM available at: <http://go.utdallas.edu/pcdl51120>.

*The University of Texas at Dallas is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, pregnancy, age, veteran status, genetic information or sexual orientation.*

## University of Toronto

### Eight Tenure-Stream Positions

The University of Toronto invites applications for eight tenure-stream positions in Computer Science at the rank of Assistant Professor. Each appointment will be with the tri-campus Graduate Department of Computer Science and one of its affiliated undergraduate departments:

Department of Computer Science, University of Toronto, St. George campus:

Areas of interest include all areas of Computer Science that touch upon the following fields in the broadest possible sense

- Computer Graphics
- Applied Machine Learning
- Software Engineering and/or Programming Languages.

Department of Mathematical and Computational Sciences, University of Toronto Mississauga:

Areas of specialization include:

- All aspects of computing systems, including for example Operating Systems, Networks, Distributed Systems, Information Systems, Intelligent Systems, Architecture, Programming Languages, Software Engineering, Human Computer Interaction, Graphics, Vision.
- Theoretical aspects of all fields of computer science.

Department of Computer and Mathematical Sciences, University of Toronto Scarborough:

Areas of interest include:

- All aspects of computer systems, including Operating Systems, Networks, Distributed Systems, Architecture, Programming Languages and Software Engineering.

Exceptional candidates in other areas will also be considered.

For all positions, we are especially interested in exceptional candidates who transcend traditional computer science disciplines and complement our existing strengths.

The University of Toronto is an international leader in computer science research and education. Successful candidates are expected to pursue innovative research at the highest international level; to establish an outstanding, externally funded research program; to have a strong commitment to undergraduate and graduate teaching; to contribute to the enrichment of undergraduate programs in their respective undergraduate department and to the graduate programs in the tri-campus Graduate Department of Computer Science.

All appointments will begin on July 1, 2016. Candidates should have a Ph.D. in computer science or a related field by the date of appointment or shortly thereafter. Evidence of excellence in research and teaching at the highest international level is required, as evidenced by publications in top ranked field relevant journals and conferences, strong endorsements by referees of international stature, and teaching accomplishments and evaluations. Salaries and startup packages are competitive with our North American peers and will be commensurate with qualifications and experience.

Applicants should apply online AcademicJobsOnline, <https://academicjobsonline.org/ajo/jobs/6041>, and include a curriculum vitae, a list of publications, research and teaching statements. Applicants should also arrange to have at least three letters of reference uploaded through AcademicJobsOnline directly by the writers.

Review of applications will begin on December 1, 2015, and applicants should endeavor to have all materials submitted

# Professional Opportunities



## Tenure-Track Faculty Position

The College of Engineering and Computer Science at the University of Texas Rio Grande Valley (UTRGV) invites applications for a tenure-track faculty position in the Department of Computer Science to begin Fall 2016. UTRGV is a distributed campus with locations throughout the Rio Grande Valley, strategically located in deep South Texas at the center of social and economic change.

For more information and to apply, please visit: <https://careers.utrgv.edu/postings/9165>.

by then, however applications may be considered after this date.

For more information about Computer Science on the three campuses of the University of Toronto, see our websites ([www.cs.toronto.edu](http://www.cs.toronto.edu); [www.utm.utoronto.ca/math-cs-stats](http://www.utm.utoronto.ca/math-cs-stats); [www.utsc.utoronto.ca/cms](http://www.utsc.utoronto.ca/cms)), or contact Sara Burns at [recruit@cs.toronto.edu](mailto:recruit@cs.toronto.edu).

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to the further diversification of ideas.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

## University of Toronto

### Tenure-Stream Appointment

The Department of Computer Science and the Department of Statistical Sciences at the University of Toronto invites applications for a joint (51% Computer Science, 49% Statistical Sciences) tenure-stream appointment in Machine Learning. The appointment is at the rank of Assistant Professor and will begin on July 1, 2016.

We are interested in candidates in all areas of computer science and statistical sciences that touch upon machine learning in the broadest possible sense. We are especially interested in exceptional candidates who transcend traditional computing and statistics disciplines and complement our existing strengths.

The University of Toronto is an international leader in computer science and statistical sciences research and education, and the two departments have a long history of joint faculty appointments and collaborations spanning several decades. Successful candidates are expected to pursue innovative research at the highest international level; to establish an outstanding, externally funded research program; to have a strong commitment to undergraduate and graduate teaching; and to contribute to the enrichment of both undergraduate and graduate programs in the two departments.

Candidates should have a Ph.D. in computer science, statistical sciences, or a related field by the date of appointment or shortly thereafter. Evidence of excellence in research and teaching at the highest international levels is required, as evidenced by publications in top ranked field relevant journals and conferences, strong endorsements by referees of international

stature, and teaching accomplishments and evaluations.

Salaries and startup packages are competitive with our North American peers and will be commensurate with qualifications and experience.

Applicants should apply online AcademicJobsOnline, <https://academicjobsonline.org/ajo/jobs/6467>, and include a curriculum vitae, a list of publications, research and teaching statements. Applicants should also arrange to have at least three letters of reference uploaded through AcademicJobsOnline directly by the writers.

Review of applications will begin on December 1, 2015, and applicants should endeavor to have all materials submitted by then, however applications may be considered after this date.

For more information about the Department of Statistical Sciences see our website at [www.utstat.utoronto.ca](http://www.utstat.utoronto.ca) or contact Christine Bulguryemez at [christine@utstat.toronto.edu](mailto:christine@utstat.toronto.edu). For more information about the Department of Computer Science see our website at [www.cs.toronto.edu](http://www.cs.toronto.edu) or contact Sara Burns at [recruit@cs.toronto.edu](mailto:recruit@cs.toronto.edu).

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to the further diversification of ideas.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

# Professional Opportunities

## University of Utah

### *School of Computing*

#### *Lecturing Faculty Position*

The School of Computing at the University of Utah seeks applicants for the position of Lecturing Professor (at all ranks) beginning in the fall semester of 2016. This lecturing position is intended to be a long term or permanent position, with possibilities for extended contracts and promotion within the University's Career-Line Faculty structure.

The ideal candidate will have a strong academic background in computer science or a related field (Ph.D. preferred), practical experience in the computer industry, a demonstrated proficiency in teaching, and an interest in curriculum development. We are particularly interested in candidates who would be able to draw on first-hand industrial experience while teaching software engineering and software project classes.

The School of Computing currently employs 37 tenure-track and five lecturing professors who collaborate to offer a variety of undergraduate and graduate degree and certificate programs. Lecturing professors focus primarily on the undergraduate program by teaching two large enrollment classes per semester and providing service aimed at organizing and promoting the curriculum and degree programs.

The University of Utah is a Carnegie Research I Institution, and the School of Computing is an exciting, growing school with a 50-year history of excellence in computer science education, innovation, and research. The University of Utah is located in Salt Lake City, the hub of a large metropolitan area with excellent cultural and recreational opportunities. Additional information about the school and our current faculty can be found at <http://www.cs.utah.edu>. Candidates may apply through the following URL:

<http://utah.peopleadmin.com/postings/46706>

The University of Utah is an Equal Opportunity/Affirmative Action employer and educator. Minorities, women, veterans, and persons with disabilities are strongly encouraged to apply. Veterans' preference is extended to qualified veterans. Reasonable disability accommodations will be provided with reasonable notice. For additional information about the University's commitment to equal opportunity and access see: <http://www.utah.edu/nondiscrimination/>.

The University of Utah values candidates who have experience working in settings with students from diverse backgrounds, and possess a strong commitment to improving access to higher education for historically underrepresented students.

## University of Utah

### *School of Computing*

#### *Tenure-track faculty position*

The School of Computing at the University of Utah is seeking tenure-track faculty at all levels with strengths in computational aspects of data science. We are particularly interested in candidates with analytical or statistical underpinnings to their interests and expertise. For instance, ideal candidates might have backgrounds in computer science or computational aspects of statistics, machine learning, or mathematics, with applications to problems of data analysis.

The School of Computing offers computer science degrees, as well as a strong graduate program in data science and data management, which has specialized tracks for MS and PhD, as well as a broader graduate data certificate program. Candidates with interests and skills in leadership are encouraged, in order to complement anticipated opportunities for hiring and growth at the University of Utah in statistical and data sciences.

The University of Utah is a Carnegie Research I Institution, and the School of Computing is

an exciting, growing school with a 50-year history of excellence in computer science education, innovation, and research. The University of Utah is located in Salt Lake City, the hub of a large metropolitan area with excellent cultural and recreational opportunities. Additional information about the school and our current faculty can be found at <http://www.cs.utah.edu>. Candidates may apply through the following URL:

<http://utah.peopleadmin.com/postings/46681>

***Review of applications will begin after November 30 and will continue until the positions are filled.***

The University of Utah is an Equal Opportunity/Affirmative Action employer and educator. Minorities, women, veterans, and persons with disabilities are strongly encouraged to apply. Veterans' preference is extended to qualified veterans. Reasonable disability accommodations will be provided with reasonable notice. For additional information about the University's commitment to equal opportunity and access see: <http://www.utah.edu/nondiscrimination/>.

The University of Utah values candidates who have experience working in settings with students from diverse backgrounds, and possess a strong commitment to improving access to higher education for historically underrepresented students.

## University of Utah

### *Tenure-Track Faculty Position Opening*

The University of Utah's School of Computing (SoC) and the Entertainment Arts and Engineering (EAE) program are seeking to hire a joint tenure-track faculty member at the assistant professor level, beginning Fall 2016. Exceptional candidates at higher ranks will also be considered. Candidates for this position should have an established record of interdisciplinary work between computer

# Professional Opportunities

science and games. Applicants must have earned a Ph.D. in Computer Science or a closely related field and demonstrate ability to obtain external funding, pursue an exceptional research agenda, and mentor and teach effectively.

Applicants should be able to perform research connecting computer sciences and games. Possible areas include, but are not limited to: human computer interaction, procedural content generation/generative methods, games user research, computer graphics for games, game analytics, and artificial intelligence for games.

The University of Utah is a Carnegie Research I Institution. The School of Computing is an exciting, growing school with a 50-year history of excellence in computer graphics, computer science education, innovation, and research. The EAE program was founded in 2007 and is currently ranked as the number 2 video game design program according to the 2014 Princeton Review rankings. Together EAE and SoC have demonstrated leadership in the interdisciplinary domain of video game research and development.

The University of Utah is located in Salt Lake City, the hub of a large metropolitan area with excellent cultural and recreational opportunities. A vibrant local game community offers opportunities for interesting collaborations, including Disney Interactive, EA Salt Lake, Chair Entertainment (a division of Epic Games), Eat Sleep Play, and many others. Additional information about the SoC, EAE and our current faculty can be found at <http://cs.utah.edu> and <http://eae.utah.edu>

Interested candidates should provide a cover letter, curriculum vitae, statement of research goals, teaching statement, and names and contact information of at least four references. Applications are managed at the following URL:

<http://utah.peopleadmin.com/postings/46522>

***Applications will be reviewed on a rolling basis starting January 2015 and will continue until the position is filled.***

*Administrative inquiries should be sent to [corrinne.lewis@utah.edu](mailto:corrinne.lewis@utah.edu).*

*The University of Utah is an Equal Opportunity/Affirmative Action employer and educator. Minorities, women, veterans, and persons with disabilities are strongly encouraged to apply. Veterans' preference is extended to qualified veterans.*

*Reasonable disability accommodations will be provided with reasonable notice. For additional information about the University's commitment to equal opportunity and access see: <http://www.utah.edu/nondiscrimination/>.*

## University of Virginia

*Department of Computer Science*

***Three (3) Faculty Positions in Safety and Security (All Ranks)***

The Department of Computer Science and the Department of Systems and Information Engineering at the University of Virginia are seeking candidates at all ranks who work in fields related to Safety and Security for 3 tenured/tenure-track faculty positions. All areas of research will be considered, including but not limited to:

- Safety and security of cyber-physical systems, embedded and real-time systems, highly automated and autonomous systems, and human-in-the-loop systems
- Theory, methods, and applications of cybersecurity and privacy
- Formal specification, modeling, analysis, and verification techniques for safety and security assurance
- Architectural support for runtime assurance of critical system properties
- Other areas related to safety and security

Successful candidates will find a vibrant research culture and an abundance of collaboration opportunities with other

departments. For example, the UVA School of Engineering has recently launched a multi-million dollar initiative to create a collaborative world class center of research excellence in Cyber-Physical Systems, where safety, security, and reliability play a key role. The initiative includes an international search for eight (8) new faculty members across 5 different departments. More information about these positions and the initiative can be found online (<http://linklab.virginia.edu>).

The School of Engineering offers a stimulating and nurturing academic environment where innovative, interdisciplinary, and foundational research is conducted in a collegial atmosphere. It is committed to enhancing a culturally diverse community, is an active dual career employer, and is actively boosting the participation of women faculty in science and engineering with the support of a National Science Foundation ADVANCE grant. The University of Virginia is an equal opportunity and affirmative action employer. Women, minorities, veterans, and persons with disabilities are encouraged to apply.

The University of Virginia is rated as one of the top 3 public universities in the nation and in the top 30 among all universities, public and private. Charlottesville is frequently cited as one of the best cities in which to live and work. More information about town, the school, faculty benefits, and other topics can be found at: <http://uvacharge.virginia.edu/guide.html>

Candidates must have a record of excellence in research, as appropriate for the candidate's rank, and a commitment to teaching excellence. Applicants should expect to have a PhD in Computer Science, Systems Engineering, or a closely related discipline by the appointment start date. Candidates will be expected to engage in funded research, to teach at the undergraduate and graduate levels, and



# Professional Opportunities

to perform service for the institution and professional organizations.

To apply, candidates must submit a Candidate Profile through Jobs@UVA (<https://jobs.virginia.edu>), search on posting number 0617535. Applicants should submit a cover letter, CV, teaching statement, research statement, and names and contact information for 3 references. In the research statement, applicants should explicitly discuss any experiences with or plans for collaborative or cross-cutting research. We will begin reviewing applications on December 1, 2015 and will continue to review applications as they are received until the positions are filled. For questions about these positions, please contact Dr. John Knight at [knight@virginia.edu](mailto:knight@virginia.edu) or Dr. Peter Beling at [beling@virginia.edu](mailto:beling@virginia.edu).

## University of Virginia

*School of Engineering and Applied Science  
Eight (8) Faculty Positions in Cyber-Physical Systems*

Charlottesville, Virginia, United States, 22904

The University of Virginia School of Engineering and Applied Science has launched a multimillion dollar initiative to create a collaborative world class center of research excellence in Cyber-Physical Systems. The initiative includes an international search for 8 new tenured/tenure-track faculty members across 5 different departments:

- Civil and Environmental Engineering
- Computer Science
- Electrical and Computer Engineering
- Mechanical and Aerospace Engineering
- Systems and Information Engineering

We are seeking candidates (all ranks) who are committing to solving the most critical problems at the intersection of the cyber and physical worlds. All areas of research will be considered, including but not limited to:

- Smart Cities
- Advanced infrastructure and intelligent transportation systems
- Wireless and mobile health, and closed loop medical devices
- The safety, security, and reliability of Cyber-Physical systems
- Robotics, drones, and autonomous or connected vehicles
- Smart manufacturing systems
- Low-power and energy harvesting technologies
- Sensor design including RF sensing and novel sensing devices
- Other technologies or applications related to Cyber-Physical Systems

The U.Va. School of Engineering is widely recognized for its pioneering work in areas such as Wireless Health, Smart Buildings, Bio-inspired Platforms, and Intelligent Transportation Systems. We are interested in candidates who are collaborative in nature and would complement or expand the school's current strengths.

To support the initiative, the school is launching a lab called the Link Lab that is dedicated to collaborative and interdisciplinary research. In their research statement, applicants should explicitly discuss any experiences with or plans for collaborative or crosscutting research and emphasize how they will contribute to the lab's goal to create a truly collaborative environment, and its role as a bridge between departments.

The University of Virginia is rated as one of the top 3 public universities in the nation and in the top 30 among all universities, public and private. Charlottesville is frequently cited as one of the best cities in which to live and work. More information about town, the school, faculty benefits, and other topics can be found at: <http://uvacharge.virginia.edu/guide.html>.

The School of Engineering offers a vibrant research culture where innovative,

interdisciplinary, and foundational research is conducted in a collegial atmosphere. It is committed to enhancing a culturally diverse community, is an active dual career employer, and is actively boosting the participation of women faculty in science and engineering with the support of a National Science Foundation ADVANCE grant. The University of Virginia is an equal opportunity and affirmative action employer. Women, minorities, veterans, and persons with disabilities are encouraged to apply.

Candidates must have a record of excellence in research, as appropriate for the candidate's rank, and a commitment to teaching excellence. Applicants should expect to have a PhD by the appointment start date that is consistent with one of the 5 disciplines listed above, or closely related fields. Candidates will be expected to engage in funded research, to teach at the undergraduate and graduate levels, and to perform service for the institution and professional organizations.

More information about these 8 positions and the school's larger initiative around Cyber-Physical Systems can be found through the Link Lab (<http://linklab.virginia.edu>).

To apply, candidates must submit a Candidate Profile through Jobs@UVA (<https://jobs.virginia.edu>), search on **posting number 0617535**.

Applicants should submit a cover letter, CV, teaching statement, research statement, and names and contact information for 3 references.

We will begin reviewing applications on December 1, 2015 and will continue to review applications as they are received until the positions are filled.

For questions about this position, please contact Kamin Whitehouse at [whitehouse@virginia.edu](mailto:whitehouse@virginia.edu).

Apply Here: <http://www.Click2Apply.net/7zkb6dchj6>



# Professional Opportunities

## University of Washington

*College of Engineering, Computer Science & Engineering*

*Lecturer, Senior Lecturer, full or part time (AAI3391)*

Lecturer, full-time, Lecturer, full-time, competitive recruitment, Lecturer, part-time, Lecturer, part-time, competitive recruitment, Senior Lecturer, full-time **Search Number:** AAI3391

### Position Details

The University of Washington's Department of Computer Science & Engineering has one or more full-time or part-time positions for Lecturers and Sr. Lecturers. Applicants for lecturer positions must have earned at least a Master's degree or have relevant teaching experience. Lecturers and Sr. Lecturers will be hired on an annual or multi-annual 9-month appointment. We seek candidates with a strong commitment to teaching and student mentoring; many lecturers engage in outreach and service as well.

Our department offers a highly collegial and collaborative culture, with a range of teaching and curriculum-development opportunities in lower-division and upper-division courses for majors and non-majors. The Seattle area is particularly attractive given the presence of significant industrial research laboratories as well as a vibrant technology-driven entrepreneurial community that further enhances the intellectual atmosphere. Information about the department can be found on the web at <http://www.cs.washington.edu>.

Please apply online at <https://norfolk.cs.washington.edu/apply> with a letter of application, a complete curriculum vitae, statement of teaching interests and experience, and the names of four references. Applications received by December 15, 2015 will be given priority consideration. Open positions are contingent on funding.

The University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, protected veteran or disabled status or genetic information.

## University of Washington

*Computer Engineering - Joint with EE and CSE*

*Assistant Professor, Associate Professor, Research Assistant Professor (AAI3392)*

### Position Details

The University of Washington's Department of Computer Science & Engineering and Department of Electrical Engineering, as part of the joint UW Experimental Computer Engineering Lab (ExCEL), are searching for a joint appointment in both departments (with precise percentages as appropriate for the candidate). The position is at tenure-track Assistant Professor or Associate Professor, or Research Assistant Professor, although individuals at senior ranks with exceptional credentials may be considered. A moderate teaching and service load allows time for quality research and close involvement with students. The CSE and EE departments are co-located on campus, enabling cross department collaborations and initiatives. The Seattle area is particularly attractive given the presence of significant industrial research laboratories, a vibrant technology-driven entrepreneurial community, and spectacular natural beauty. Information about ExCEL can be found at <https://www.excel.washington.edu/> We welcome applications in all computer engineering areas including but not exclusively: atomic scale devices & nanotechnology, implantable and biologically-interfaced devices, synthetic molecular engineering, VLSI systems and CAD, embedded systems, low power and mobile systems, sensor systems, parallel computing,

network systems, and technology for the developing world. We expect candidates to have a strong commitment both to research and teaching. Applicants for both tenure-track and research positions must have earned a PhD by the date of appointment, or foreign equivalent. All University of Washington faculty engage in teaching, research and service.

Please apply online at <http://www.excel.washington.edu/apply> with a letter of application, a complete curriculum vitae, statement of research and teaching interests, and the names of at least four references. Applications received by December 15, 2015 will be given priority consideration. Open positions are contingent on funding.

The University of Washington is a recipient of a National Science Foundation ADVANCE Institutional Transformation Award to increase the participation of woman in academic science and engineering careers. We are building a culturally diverse faculty and encourage applications from women and minority candidates.

The University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, protected veteran or disabled status or genetic information.

## University of Washington

*Computer Science & Engineering - Assistant Professor, Associate Professor, Research Assistant Professor (AAI3780)*

### Position Details

The University of Washington's Department of Computer Science & Engineering has multiple tenure-track positions in a wide variety of technical areas in both Computer Science and Computer Engineering. Hires

# Professional Opportunities

will be made at the Assistant (0116) and Associate (0102) Professor level although individuals at senior ranks with exceptional credentials may be considered. The positions would be full-time multi-year appointments with 9-month service periods. Our department offers a highly collegial and collaborative culture, with broad interdisciplinary research opportunities available across campus and in the region. The Seattle area is particularly attractive given the presence of significant industrial research and development laboratories in computing, information technology, medicine, health care, and global health. Information about the department can be found on the web at <http://www.cs.washington.edu>.

We welcome applicants in all research areas in Computer Science and Computer Engineering including core, applied, and interdisciplinary areas.

We may also consider full-time non-tenured research faculty at the Research Assistant Professor (0143) level. These positions have 12 month service periods. Applicants for both tenure-track and research positions must have earned a doctorate, or foreign equivalent, by the date of appointment. All University of Washington faculty engage in teaching, research and service.

Please apply online at <https://norfolk.cs.washington.edu/apply> with a letter of application, a complete curriculum vitae, statement of research and teaching

## University of Washington

### Multiple Positions

The Electrical Engineering Department at the University of Washington invites applications for multiple positions at the level of tenure-track junior faculty (assistant professor as well as associate professor) in the fields of electrical or computer engineering. We are looking for excellent candidates in the

areas of energy systems, big physical data analytics, biomedical systems, the Internet of Things, hardware platforms, Information Sciences, robotics and autonomous systems. Highest priority will be given to exceptional candidates regardless of the specific areas listed above. Information about the department can be found on the web at <http://www.ee.washington.edu>.

The University of Washington (UW) was ranked #4 in innovation by Thompson Reuters in 2015-2016. The UW EE department has been at the forefront of innovation within the university. The University of Washington

was also ranked #11 by US News worldwide, and the EE department graduate ranking was #18 for the 2015-2016 period. The UW offers a highly collaborative environment across departments and colleges and the EE department has attracted outstanding faculty members with a strong collaborative bent.

Applicants should possess a PhD degree, a demonstrated ability to perform high quality research and the ability to teach both graduate and undergraduate courses in the department. All successful candidates are expected to establish a very strong research

## UNIVERSITY of WASHINGTON | BOTHELL SCHOOL OF SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS

### Division of Computing and Software Systems, School of STEM – Assistant Professor in Computational Science (AA13788)

The Computing and Software Systems (CSS) Division of the School of Science, Technology, Engineering and Mathematics (STEM) at the University of Washington Bothell (UWB) is seeking candidates for a tenure track Assistant Professor on a full-time, nine-month academic year basis beginning Autumn 2016. We are particularly interested in candidates with research and teaching interests in computational science (such as but not limited to big data, data visualization, or cloud computing). Successful candidates are expected to develop externally sponsored research programs, supervise graduate students, and teach and provide academic advising to students at all levels.

The 19 full-time CSS faculty members are excellent interdisciplinary teachers and scholars, actively conducting research in Computational Biology, Computer Graphics, Computer Science Education, Computer Vision, Cybersecurity, Digital Humanities, Embedded Systems, Human-Computer Interaction, Mobile Computing, Multimedia Database Systems, Parallel and Distributed Computing, Scientific Computing, Social Computing, Software Engineering, and Wireless Networks. All University of Washington faculty engage in teaching, research and service.

Opportunity is a core value of the School of STEM. We believe that all students, regardless of background, should have the opportunity to succeed and become effective critical thinkers. Catalyzing the power of diversity enriches all of us by exposing us to a range of ways to understand and engage with the world, identify challenges, and to discover, design and deliver solutions. The School of STEM prepares professionals to work in an increasingly diverse and global society by promoting equity and justice for all individuals. We actively work to eliminate barriers and obstacles created by institutional discrimination.

Qualifications for the position and application instructions can be found on the UW Bothell website at: <http://ap.washington.edu/ahr/academic-jobs/position/aa13788/>.

# Professional Opportunities

program, supervising graduate students and engaging in high quality teaching at all levels.

Please apply online at <http://www.ee.washington.edu/facsearch/> with a letter of application, complete curriculum vitae, statement of research and teaching interests, three key papers, and the names of at least three references. Applications received by January 15, 2016 will be given priority consideration. Open positions are contingent on funding.

University of Washington faculty engage in teaching, research and service. The Seattle area is particularly attractive given the presence of significant industrial research laboratories as well as a vibrant technology-driven entrepreneurial community that further enhances Seattle's intellectual atmosphere. The University of Washington was awarded an Alfred P. Sloan Award for Faculty Career Flexibility in 2006. In addition, the University of Washington is a recipient of a National Science Foundation ADVANCE Institutional Transformation Award to increase the participation of women in academic science and engineering careers. We are building a diverse faculty and encourage applications from women and minority candidates. The University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, protected veteran or disabled status, or genetic information.

## University of Waterloo

### *Faculty Position in Computer Software*

The Department of Electrical and Computer Engineering at the University of Waterloo is seeking an exceptional candidate for a tenure-track position beginning May 1, 2016. While the department is particularly interested in candidates with a demonstrated research record in big

data, data analytics, deep learning, artificial intelligence or machine learning, we will consider all exceptional candidates in computer software. It is anticipated that the position will be at the rank of Assistant Professor, but exceptional cases at the Associate or Full Professor rank may be considered.

Further information can be found at <https://uwaterloo.ca/engineering/faculty-and-staff/faculty-positions#ECE5>

## University of Waterloo

### *Faculty Position in Computer Hardware Engineering*

The Department of Electrical and Computer Engineering at the University of Waterloo is seeking an exceptional candidate for a tenure track position in the field of computer hardware engineering beginning May 1, 2016. The position is focused primarily at the rank of Assistant or Associate Professor, but exceptional cases at the full Professor rank may be considered. The topic of interest is microarchitecture and other areas closely related to computer architecture.

## UNIVERSITY of WASHINGTON | BOTHELL SCHOOL OF SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS

### **Division of Computing and Software Systems, School of STEM – Lecturer or Sr. Lecturer Full-time (AA13785)**

The Computing and Software Systems (CSS) Division of the School of Science, Technology, Engineering and Mathematics (STEM) at the University of Washington Bothell (UWB) invites applications for multiple Lecturer or Senior Lecturer positions on a full-time, nine month, 1–3 year renewable basis beginning in Autumn 2016. Faculty duties include teaching and mentoring undergraduate and graduate students, including capstone projects/cooperative education. We are interested in candidates who can contribute to the core of our computer science and software engineering curriculum, including introductory programming, data structures, algorithms, software engineering, technical communications, web development, project management, design, databases, operating systems, architecture, embedded systems, and networking, as well as work with faculty and students in other STEM divisions. An interest and expertise in on-line teaching and/or demonstrated ability to teach large lecture classes would be pluses.

The 19 full-time CSS faculty members are excellent interdisciplinary teachers and scholars, actively conducting research in Computational Biology, Computer Graphics, Computer Science Education, Computer Vision, Cybersecurity, Digital Humanities, Embedded Systems, Human-Computer Interaction, Mobile Computing, Multimedia Database Systems, Parallel and Distributed Computing, Scientific Computing, Social Computing, Software Engineering, and Wireless Networks. All University of Washington faculty engage in teaching, research and service.

Opportunity is a core value of the School of STEM. We believe that all students, regardless of background, should have the opportunity to succeed and become effective critical thinkers. Catalyzing the power of diversity enriches all of us by exposing us to a range of ways to understand and engage with the world, identify challenges, and to discover, design and deliver solutions. The School of STEM prepares professionals to work in an increasingly diverse and global society by promoting equity and justice for all individuals. We actively work to eliminate barriers and obstacles created by institutional discrimination.

Qualifications for the position and application instructions can be found on the UW Bothell website at: <http://ap.washington.edu/ahr/academic-jobs/position/aa13785/>.

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Further information can be found at <https://uwaterloo.ca/engineering/faculty-and-staff/faculty-positions#ECE2>

## University of Waterloo

### *Faculty Position in Software Systems*

The Department of Electrical and Computer Engineering at the University of Waterloo is seeking an exceptional candidate for a tenure-track position beginning May 1, 2016. While the department is particularly interested in candidates with a demonstrated research record in systems software, operating systems, dependable systems, embedded systems or real-time software systems, we will consider all exceptional candidates in computer software. It is anticipated that the position will be at the rank of Assistant Professor, but exceptional cases at the Associate or Full Professor rank may be considered.

Further information can be found at <https://uwaterloo.ca/engineering/faculty-and-staff/faculty-positions#ECE4>

## University of Waterloo

### *Tier-I Canada Research Chair - Computer Software*

The Department of Electrical and Computer Engineering at the University of Waterloo is seeking an exceptional candidate for a tenured position at the rank of Full Professor in the general area of computer software beginning May 1, 2016. Only candidates who have the research profile for a Tier-I Canada Research Chair will be considered.

Details about Tier-I Canada Research Chair can be found at <http://www.chairs-chaieres.gc.ca/>.

Further information can be found at <https://uwaterloo.ca/engineering/faculty-and-staff/faculty-positions#ECE3>

## University of Wyoming

### *Two Tenure-Track Assistant Professor Positions in Computer Science*

Main Contact: [search@cs.uwyo.edu](mailto:search@cs.uwyo.edu)

The Computer Science Department at the University of Wyoming seeks applicants for two tenure-track Assistant Professors to start in August 2016. Exceptional candidates that research AI/Machine Learning (especially Deep Learning), High Performance Computing, Cloud Computing, Big Data including visualization, and/or Cybersecurity are encouraged to apply.

See [www.cs.uwyo.edu/search](http://www.cs.uwyo.edu/search) for full details and application instructions. To ensure full consideration applications should be completed by January 10, 2016 though applications will be accepted until the position is filled.

The University of Wyoming is an Equal Employment Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability or protected veteran status or any other characteristic protected by law and University policy. Please see [www.uwyo.edu/diversity/fairness](http://www.uwyo.edu/diversity/fairness). We strongly encourage



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SCHOOL OF SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS

### **Division of Computing and Software Systems, School of STEM – Assistant Professor in Computer Science (AA13789)**

The Computing and Software Systems (CSS) Division of the School of Science, Technology, Engineering and Mathematics (STEM) at the University of Washington Bothell (UWB) is seeking candidates for a tenure track Assistant Professor on a full-time, nine-month academic year basis beginning Autumn 2016. We are particularly interested in candidates with research and teaching expertise in but not limited to machine learning, artificial intelligence, geographic information systems, operating systems, mobile computing, or video games. Successful candidates are expected to develop externally sponsored research programs, supervise graduate students, and teach and provide academic advising to students at all levels.

The 19 full-time CSS faculty members are excellent interdisciplinary teachers and scholars, actively conducting research in Computational Biology, Computer Graphics, Computer Science Education, Computer Vision, Cybersecurity, Digital Humanities, Embedded Systems, Human-Computer Interaction, Mobile Computing, Multimedia Database Systems, Parallel and Distributed Computing, Scientific Computing, Social Computing, Software Engineering, and Wireless Networks. All University of Washington faculty engage in teaching, research and service.

Opportunity is a core value of the School of STEM. We believe that all students, regardless of background, should have the opportunity to succeed and become effective critical thinkers. Catalyzing the power of diversity enriches all of us by exposing us to a range of ways to understand and engage with the world, identify challenges, and to discover, design and deliver solutions. The School of STEM prepares professionals to work in an increasingly diverse and global society by promoting equity and justice for all individuals. We actively work to eliminate barriers and obstacles created by institutional discrimination.

Qualifications for the position and application instructions can be found on the UW Bothell website at: <http://ap.washington.edu/ahr/academic-jobs/position/aa13789/>.

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applications from women and other groups underrepresented in computer science.

The University conducts background investigations for all final candidates being considered for employment. Offers of employment are contingent upon the completion of the background check.

## Valparaiso University, Valparaiso, Indiana

*Computing and Information Sciences  
Department*

*Assistant/Associate Professor of Computing  
and Information Sciences*

### Position Description:

Valparaiso University's Computing and Information Sciences Department has two open tenure-track positions, with one position eligible to start as an associate, beginning August 2016.

Information at <http://www.valpo.edu/provost/faculty-postings/>

### Application Instructions:

Please visit <http://apply.interfolio.com/32140> to apply.

## Washington State University

*School of Electrical Engineering and  
Computer Science*

*Multiple Faculty Positions in Data Science  
and Machine Learning*

The School of Electrical Engineering and Computer Science (EECS) at Washington State University (WSU) in Pullman, WA invites applications for several full-time faculty positions in at our Pullman and Everett campuses.

Assistant or Associate or Full Professor in  
**Data Science** in Pullman (3 positions)

Assistant or Associate or Full Professor in  
**Machine Learning** in Pullman

Please go to <https://www.wsujobs.com/postings/search> then search **Department:  
Electrical Engineering and Computer**

**Science** for specific position requirements and job duty details.

Applications should include a cover letter indicating the position area and level, and summarizing qualifications. Applications should also include research and teaching statements, a curriculum vitae, and three letters of reference. It is anticipated that the successful candidate will begin the appointment on August 15, 2016.

Washington State University is one of the nation's top 70 public research universities according to U.S. News and World Report. WSU is among 108 public and private universities in America recognized with the "very high research activity" categorization, and among 240 national universities and colleges that earned the "community engagement" classification from the Carnegie Foundation. The Pullman campus is a quintessential college town – one of the top 10 in the nation according to MSN's 2012 report on the "Best College Towns in North America." For more information about WSU and the School of EECS, visit [school.eecs.wsu.edu](http://school.eecs.wsu.edu).

WSU is committed to excellence through diversity, has faculty friendly policies including a partner accommodation program, on-site childcare availability, and a NSF ADVANCE Institutional Transformation grant to increase the advancement of women faculty in science, engineering and math (see [advance.wsu.edu](http://advance.wsu.edu)). These open positions are part of WSU's priority to build a diverse faculty and, as such, female and minority candidates are strongly encouraged to apply. WSU is an EEO/AA/ADA educator and employer.

## Wayne State University

*One Tenure-Track Faculty Position*

Applications are invited for one tenure-track faculty position beginning in Fall 2016. While candidates with research expertise in cyber-physical systems, embedded

systems, Internet of Things, software-defined networks and infrastructures, cyber-physical security, and data sciences for complex/interdependent systems and networks will receive the strongest consideration, outstanding applicants in other areas (particularly in algorithms and inter-disciplinary areas) will also be considered. This search is primarily at the assistant professor level, but candidates with exceptional accomplishments will be considered for senior levels. Faculty candidates are expected to have a Ph.D. in Computer Science or a closely related field and to demonstrate potential for excellence in both research and teaching. Salaries and startup package are highly competitive. Further information can be found at: <http://engineering.wayne.edu/cs/about/jobs.php>

Applicants should submit a cover letter, statement of research and teaching, and curriculum vitae with the contact information of three references in a single PDF file. For full consideration, applications must be received by January 15, 2016.

**Apply online at [jobs.wayne.edu](http://jobs.wayne.edu) (position number: 041434).** Nominations and inquiries should be directed to Prof. Loren Schwiebert at [loren@wayne.edu](mailto:loren@wayne.edu).

Wayne State University is an equal opportunity educational institution/equal opportunity employer.

## Wayne State University

*Tenure-Track Faculty Position*

Applications are invited for a tenure-track faculty position specialized in the area of clinical/health informatics and healthcare systems engineering at the assistant or associate professor level beginning in Fall 2016. Candidates are expected to have a Ph.D. in Computer Science or Industrial Engineering or a closely related field and demonstrate potential for excellence in teaching and research. Candidates working



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in the healthcare domain with research interests in the areas of privacy and security, informatics, optimization, data analytics, mobile computing, systems engineering, and/or operations management will receive the strongest consideration. The candidate is expected to work closely with multidisciplinary faculty members affiliated among others with clinical/health informatics and healthcare systems engineering. Further information can be found at: <http://engineering.wayne.edu/cs/about/jobs.php>

Applicants should submit a cover letter, statement of research and teaching, and curriculum vitae with the contact information of three references. For full consideration, applications must be received by January 15, 2016. Applications will be screened starting December 1, 2015. **Apply online at [jobs.wayne.edu](http://jobs.wayne.edu) (position number: 041433).** Nominations and inquiries should be directed to the Chair of Search Committee, Weisong Shi, at [weisong@wayne.edu](mailto:weisong@wayne.edu).

Wayne State University is an equal opportunity educational institution/equal opportunity employer.

## Wayne State University

### *Electrical and Computer Engineering Chair*

The Department of Electrical and Computer Engineering at Wayne State University invites applications for the position of Department Chair. Applicants must have a record of outstanding scholarship and proven leadership talent. The Chair will guide the department's growth in research and teaching excellence, foster ties with industry, and advance the university's mission as a preeminent urban research university.

The Department has 22 tenured or tenure-track faculty, including four IEEE fellows and four NSF CAREER recipients. Research productivity is high, with external funding exceeding \$2.5 million in 2014. Wayne State University is a Carnegie Research Extensive

University, with approximately \$245 million in annual research expenditures, nearly 28,000 undergraduates, including 7000 graduate students.

Applicants should submit a cover letter, a detailed CV, a synopsis of management style and vision for the future of the department, and the contact information for at least four references. Applications must be submitted online to [jobs.wayne.edu](http://jobs.wayne.edu), under posting **#041503**. Other forms of application cannot be accepted.

Wayne State University is an Affirmative Action/Equal Employment Opportunity Employer and is committed to cultural diversity. We actively encourage applications and nominations of women, persons of color, persons with disabilities, veterans, and members of other underrepresented groups.

## Wellesley College

### *Computer Science*

#### *Lecturer*

Wellesley College invites applications for a two-year Lecturer position in Computer Science, starting in July 2016. We seek candidates who are committed to excellence in teaching, spanning introductory through advanced CS courses and including curriculum development. Lecturers teach two courses per semester, engage in mentoring students and department service, and have the opportunity and support to pursue scholarly work. Successful candidates will through their teaching, scholarship, or service demonstrate a commitment to building a diverse community. Applicants will be reviewed starting on January 29, 2016. For more information, please visit <http://www.wellesley.edu/cs/facultysearches>

Wellesley College is an Affirmative Action/Equal Opportunity Employer, and we are committed to increasing the diversity of the college community and the curriculum.

Candidates who believe they can contribute to that goal are encouraged to apply.

## Wesleyan University

### *Tenure Track Assistant Professorship*

The Department of Mathematics and Computer Science at Wesleyan University invites applications for a tenure track assistant professorship in Computer Science to start in fall 2016.

For description and application procedure see <http://www.wesleyan.edu/mathcs/employment.html>

Contact: Jim Lipton. Email: [cssearch@wesleyan.edu](mailto:cssearch@wesleyan.edu). Tel: 860-834-1636. Fax: 860-685-2571.

Apply: <http://academicjobsonline.org/ajol/jobs/5939>

## Williams College, Williamstown, MA

### *Computer Science Department*

#### *Visiting Faculty Position*

The Department of Computer Science at Williams College invites applications for a two-year visiting faculty position beginning in the fall of 2016. Candidates should have a commitment to excellence in teaching and should have a Ph.D., or made significant progress towards completing a Ph.D., in computer science or a closely related discipline by September, 2016. The successful candidate will teach a total of three courses during the academic year, along with associated labs.

This position is open to all areas of computer science. Visiting faculty will join eight current members of the department in supporting a thriving and diverse undergraduate computer science major.

The Department of Computer Science offers a congenial working environment with small classes, an excellent and diverse student

# Professional Opportunities

body, and state-of-the-art facilities. Many opportunities exist for collaboration across disciplines, particularly with other faculty in the sciences.

We welcome applications from members of groups traditionally underrepresented in the field, and applicants are encouraged to state in their cover letter how they will enhance the diversity of offerings and educational experiences if hired. Applications should also include a curriculum vita, a teaching statement, and three letters of reference, at least one of which speaks to the candidate's promise as a teacher. Application materials must be submitted electronically via <http://www.cs.williams.edu>. Materials may be addressed to

Professor Brent Heeringa, Chair  
Department of Computer Science  
Williams College  
Williamstown, MA 01267

Review of applications will begin on January 25 and will continue until the position is filled. Please direct all correspondence to [hiring@cs.williams.edu](mailto:hiring@cs.williams.edu). All offers of employment are contingent upon completion of a background check. Further information is available at <http://dean-faculty.williams.edu/prospective-faculty/background-check-policy>.

Williams College is a coeducational liberal arts institution located in the Berkshire Hills of western Massachusetts. The college has built its reputation on outstanding teaching and scholarship and on the academic excellence of its approximately 2,000 students. Please visit the Williams College website (<http://www.williams.edu>). Beyond meeting fully its legal obligations for non-discrimination, Williams College is committed to building a diverse and inclusive community where members from all backgrounds can live, learn, and thrive.

## Yahoo Labs, New York, NY

### *Scalable Machine Learning*

Yahoo Labs is growing its strategic research teams to enable the company to build cool products and platforms that our customers need, now and in the future. We have exciting job openings in several technical focus areas that are located in our new office in New York City located one block from the Times Square.

We hire the best scientific minds who like to roll up their sleeves make new discoveries that can be presented at the top scientific conferences and contribute to the success of the business. We are looking for Research Scientists with a PhD degree in Computer Science or Electrical Engineering. Our scientists specialize in designing and building scalable and reliable distributed and parallel systems that serve all the aspects of big data like data mining, optimization, machine learning, and analytics. We design innovative algorithms to push the capacity, performance and reliability of our platforms, exploit novel hardware and software architectures, and evaluate the impact in Web-scale production settings. We actively contribute to the scientific and open source communities in foundations of Computer Science, distributed computing, search, databases, and networking.

Responsibilities Include:

- Deep dive into the data to understanding and apply patterns, while maintaining a sense of the big picture
- Work closely with colleagues on the engineering team to put research results into action
- Provide thought leadership to guide the direction of Yahoo products and services
- Push your own research agenda and look to influence our products and services with your expertise.

### Required Skills and Qualifications

- PhD in Computer Science or Electrical Engineering
- Strong academic research track record in one of the following areas: Mathematical Optimization and Algorithm Design, Data Analytics, Machine Learning, Search/IR or related areas.
- Strong design and implementation skills in Java or C++. Experience with large-scale production code development a plus.
- Ability to conduct research that is justified and guided by business opportunities
- Strong communication and presentation skills.

For more information about Yahoo Labs, please visit: <http://labs.yahoo.com/>

The soft application deadline is November 30, 2015. Please send your CV and a short letter of interest to Maxim Sviridenko ([sviri@yahoo-inc.com](mailto:sviri@yahoo-inc.com)).

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