



**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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# The FY2016 Budget Request for NSF Computer and Information Science and Engineering (CISE)

By Jim Kurose, Assistant Director, National Science Foundation, CISE



On February 2, 2015, the President delivered his Fiscal Year (FY) 2016 Budget Request to Congress. I am pleased to share with you key figures from the Request for the National Science Foundation (NSF) and the CISE directorate specifically.

The Administration is requesting \$7.7 billion for NSF. This includes \$954.4 million for the CISE directorate – an increase of approximately \$33 million or 3.5 percent above the FY 2015 Estimate. For more information, see <http://www.nsf.gov/about/budget/fy2016/index.jsp>.

The Budget Request for CISE is shaped by investments in core research, education, and infrastructure activities, as well as by investments that support NSF-wide priorities and crosscutting activities, and address national priorities and societal challenges. The impact of past investments is profound, and CISE's budget continues to see sustained increases in a relatively flat budget climate. Let me highlight a few aspects of the FY 2016 Budget Request for CISE below; for more information, see [http://www.nsf.gov/events/event\\_summ.jsp?cntn\\_id=134078&org=CISE](http://www.nsf.gov/events/event_summ.jsp?cntn_id=134078&org=CISE).

**Strong Commitment to the Core:** The FY 2016 Budget Request continues CISE's strong commitment to our core research programs across investment levels, from single-investigator research to center-scale activities, with increased support across all CISE divisions. These investments push the fundamental knowledge base of our discipline forward and build a solid foundation to support a thriving innovation ecosystem.

**Growing Support for Advanced Cyberinfrastructure:** The FY 2016 Budget Request for NSF includes significant support for advanced cyberinfrastructure, which is playing an increasingly important role in enabling computational and data-enabled discovery and innovation across all areas of science and engineering. CISE's division of Advanced

Cyberinfrastructure will continue to invest in computational science, software, data, networking, and cybersecurity.

## Continuing Crosscutting Investments:

The Budget Request continues CISE's leadership in a number of crosscutting areas and programs, which in many cases involve multiple NSF directorates and federal agencies, including Secure and Trustworthy Cyberspace (SaTC), Cyber-Physical Systems (CPS), National Robotics Initiative (NRI), Critical Techniques and Technologies for Advancing Big Data Science & Engineering (BIGDATA), and Smart and Connected Health (SCH). SaTC, which aims to secure our Nation's cyberspace, is in partnership with the Education and Human Resources (EHR); Engineering (ENG); Mathematical and Physical Sciences (MPS); and Social, Behavioral, and Economic Sciences (SBE) directorates. CPS is in collaboration with ENG and the Department of Homeland Security (DHS), Department of Transportation (DOT), National Aeronautics and Space Administration (NASA), and National Institutes of Health (NIH), and aims to deeply integrate computation, communication, and control into physical systems. NRI, in partnership with ENG, EHR, and SBE, and with several other agencies, including the Defense Advanced Research Projects Agency (DARPA), NASA, NIH, and U.S. Department of Agriculture (USDA), aims to develop the next generation of collaborative robots to enhance personal safety, health, and productivity. BIGDATA is a collaboration across all NSF directorates, aiming to develop and apply fundamental techniques, theories, methodologies, and technologies to manage and analyze large, heterogeneous data. SCH, in partnership with ENG and SBE as well as NIH, aims to accelerate the development and use of innovative approaches that would support the much-needed transformation of healthcare from reactive and



hospital-centered to preventive, proactive, evidence-based, person-centered and focused on wellbeing. The projects funded by these activities catalyze foundational computing research advances and address issues of major scientific, national, and societal importance.

CISE will also continue to participate in the NSF-wide priority area Understanding the Brain (UtB) by investing in cognitive science and neuroscience (including computational neuroscience) research, with the goal of developing a scientific understanding of the full complexity of the brain in action and in context. UtB is a key component of the Administration's Brain Research through Advancing Innovative Neurotechnologies (BRAIN) Initiative.

**New NSF Priority Investments:** The FY 2016 Budget Request for NSF includes two new foundation-wide investment areas: Innovations at the Nexus of Food, Energy and Water Systems (INFEWS) and NSF INCLUDES (Inclusion across the Nation of Communities of Learners that have been Underrepresented for Diversity in Engineering and Science).

INFEWS aims to understand, design, and model the interconnected food, energy, and water system through an interdisciplinary research effort that incorporates all areas of science and engineering and addresses the natural, social,

and human-built factors involved. The CISE investments in INFEWS will support research on the safety and security of food, energy, and water resources, as well as the systems that facilitate the production, distribution, and consumption of these resources. CISE researchers have long played a critical role in advancing research in these areas.

The aim of NSF INCLUDES is to develop a scalable, national initiative to increase the preparation, participation, advancement, and potential contributions of those who have been traditionally underserved and/or underrepresented in the STEM enterprise. In support of NSF INCLUDES, CISE will build on its strong history of commitment and leadership in broadening participation in computing.

Investments in CISE research, education, and infrastructure have returned exceptional dividends to our Nation. CISE foundational research seeds new programs and positions our community at the frontiers of knowledge, discovery, and innovation. I invite you to work with NSF to continue to demonstrate how computer and information science and engineering is intellectually exciting, highly creative, and interactive – with the power to change the world for decades to come.

# CRA Introduces New Benefits for Members!



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Association

New this year, CRA members will receive priority acceptance, and a preferred CRA-Member rate to support eligible graduate students participation in the [CRA-W Grad Cohort Workshop](#).

Grad Cohort benefits will vary each year based on available funding. This year, CRA-W will fully fund three Grad Cohort applicants per department, and CRA-Members will have the option to fund any additional students at the preferred rate of \$850 per person.

Another benefit to CRA-Members that we've recently added is the academic version of the 2015 CRA-W Grad Cohort Graduating Class document. It includes information about recent Grad Cohort Alums that are nearing graduation and are either 1) MS graduate students looking for PhD programs, or 2) PhD graduate students looking for faculty positions.

CRA-W and Microsoft recently collaborated to produce a video highlighting Grad Cohort. [Check it out here](#).

## CRA members and volunteers support:

- ▶ Visioning future directions of the field
  - ▶ Ongoing initiatives that help shape public policy relevant to our community
  - ▶ Building a strong, diverse pipeline of students in the field
- In addition to the many initiatives that CRA member dues support, our members receive the following direct member benefits:
- ▶ Credits for job posting services
  - ▶ Reduced registration fees for CRA's Conference at Snowbird and other workshops and seminars
  - ▶ Taulbee Survey results in mid-February (before May release)
  - ▶ The right to vote in CRA Board elections
  - ▶ Access to mailing lists (CRA Members List and CRA Forsythe List of North American Ph.D.-granting departments in computing-related disciplines.)

Click [here](#) for additional information about CRA Membership.



**CRA-W**  
Computing Research Association  
Women

# GradCohort

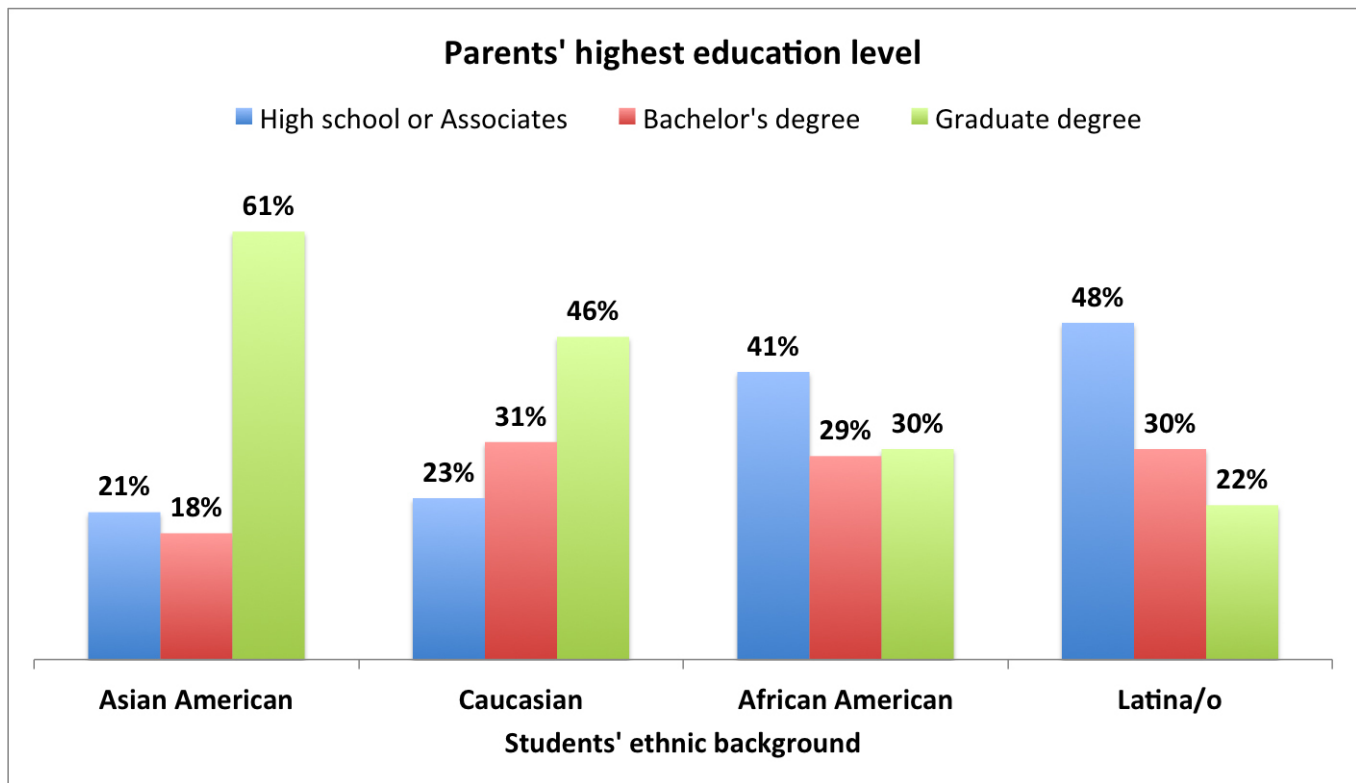
[www.cra-w.org](http://www.cra-w.org)

2015

# February 2015 CERP Infographic

By Jane Stout, CERP Director

## Undergraduate computing students' parental education level differs by ethnicity



Recently, 2776 computing majors reported their parents' highest education level on CERP's annual Data Buddies survey. African American and Latina/o students were significantly less likely than Asian American and Caucasian students to have at least one parent with with at least a Bachelor's degree,  $p < .05$ . Further, Asian American and White students were significantly more likely to have at least one parent with a graduate degree,  $p < .05$ . Importantly, parental education level is positively correlated with the degree to which students perceived their family to be supportive of their decision to pursue a computing degree,  $p < .05$ . Given that parental support is an important predictor of persistence and confidence in students' academic career, this discrepancy in students' parental education level is important. That is, disparate parental education levels, as seen above, may help explain why African American and Latina/o students pursue computing careers at a lower rate than Asian American and Caucasian students.



**CERP**

Computing Research Association  
Evaluation

These data are 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/>.



# Extensible Distributed Systems Workshop

From the CCC Blog

*Contributions to this post were made by **Lorenzo Alvisi**, **Computing Community Consortium (CCC) Council Member** and **Professor in the Department of Computer Science at UT Austin** and **Robbert van Renesse**, **Principal Research Scientist in the Department of Computer Science at Cornell University**.*



Imagine slipping into a presentation that has already started and finding a seat in the back. The speaker is pointing at her slides explaining the diagram but you can barely hear her from the back of the room. All the sudden your cell phone, which you had placed on the table when you took your seat, begins to project the speaker's voice. Now you can watch the speaker and hear her without any problems.

This is just an example of the opportunities and challenges that arise with **Extensible Distributed Systems**, a new generation of distributed systems that operate not simply from the cloud, but extend both to the portable computing devices that are increasingly everywhere around us (in our pockets, wrists, ankles, cars, homes, etc.) and indeed also to the very individuals that own, operate, depend upon, and even cuddle those devices.

Fifty participants from academia, industry, and government came to Arlington, Virginia January 21-22, 2015 to participate in a joint **Cornell University**, **University of Texas at Austin**, **Computing Community Consortium (CCC)**, and **National Science Foundation (NSF)** workshop dedicated to discussing the research opportunities that this new class of distributed system enables. The workshop was centered around six big topic areas: pervasive systems, traditional distributed systems, software-defined networks, security, uncertainty, and analytics. Participants were instructed not to talk about their current ongoing projects but to delineate a forward-looking research agenda. Presentations and panelists touched on a diverse set of

issues, from expanding the notion of scalability beyond the usual axes of performance and size so it includes scale across the planet's cultural and income divides, to the implications of designing systems where humans are in the loop to an unprecedented degree.

The chance of unleashing a new wave of creativity by making extensible distributed systems easily programmable by non-specialists was palpable—and so were the challenges that stand in the way of that vision: programming abstractions that make it easy to compose modules to create richer applications; architectures that make mere humans able to manage and maintain the applications and the systems they run upon; tools that can be used to assess the safety and security of applications that interact with the physical world (would you download to your intelligent car an app that claims to make your auto-pilot feature more fuel efficient?).

A particularly engaging and stimulating feature of the workshop were the two “I have a Crazy Idea” sessions, which offered participants the opportunity to put forward five-minute pitches for truly radical visions of the future of distributed systems.

The presentations from the workshop panels and plenary talks will be posted on the **workshop website** in the coming weeks. A workshop report will be forthcoming and shared widely with the community.



# NSF CISE CAREER Proposal Writing Workshop

by Thyaga Nandagopal, NSF Program Director for Computer and Network Systems



The NSF Directorate for Computer & Information Science & Engineering (CISE) will host a one-day workshop on CAREER Proposal Writing on March 16, 2015. This workshop will be held at the [Arlington Hilton](#). The goal of this workshop is to introduce junior

CAREER-eligible faculty to the NSF CAREER program and help them to prepare their CAREER proposals to target CISE programs. Attendees will have the opportunity to improve their skills in proposal writing, as well as to interact with NSF program directors from

different CISE divisions (ACI, CCF, CNS, and IIS) and recent NSF CAREER awardees. The workshop includes presentations and discussions on proposal preparation, experience sharing, a mock panel, and meetings with Program Directors from various research programs within CISE.

**In order to attend this event, registration is required before February 20, 2015.**

**For more information, please visit:**

**<http://csi.seas.gwu.edu/nsf-cise-career/>.**

## CRA Welcomes Melissa Borts



Melissa Borts just recently graduated from the University of Maryland (UMD) with a Bachelor of Science in Public Health and a minor in Hearing and Speech Science. While at the University of Maryland, Melissa was involved in Sigma Delta

Tau Sorority and the Women's UMD Crew Team. After graduating, Melissa traveled through Cambodia, Vietnam and Shanghai for three weeks before starting at the Computing Research Association. Melissa is the Program Associate for CRA's Committee on the Status of Women in Computing Research (CRA-W), and works with Erik Russell, the Director of Programs, to plan and organize various activities and events for CRA-W including the upcoming Grad Cohort. Within her first three weeks of starting, Melissa has already made great strides- sending out Grad Cohort invitations, updating the CRA-W website, and creating a social media Twitter profile for CRA-W (@CRAWomen). As a new addition to CRA, Melissa is excited about attending conferences and events and meeting new people. Outside of CRA, Melissa enjoys traveling and being active, always looking for the next adventure!

## CRA Staff Tours the Computer Science Department at Johns Hopkins University



Congratulations to Daniela Rus (CCC Council Member) who was recently named to the National Academy of Engineering for contributions to distributed robotic systems.



## Social Media @ CRA

CRA and its committees have a number of active social media initiatives to keep you informed. Stay up with the latest from CRA by subscribing to our groups!



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### Computing Research Association

- Subscribe to the CRA Policy Blog for the latest Advocacy and Policy Analysis for the Computing Research Community
- Become a fan of our Facebook page
- Follow us on twitter @CRATweets
- Subscribe to our YouTube Channel
- Join the CRA LinkedIn Group



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Catalyst

### CCC

- Follow us on twitter @compcomcon
- Become a fan of our Facebook page
- Subscribe to the CCC Blog



**CRA-W**

Computing Research Association  
Women

### CRA-W

- Follow us at @CRAWomen for CRA-Women and Grad Cohort news
- Join the CRA-W Facebook Group



**Linked in**™

**You Tube**

**facebook**

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the Research Pipeline  
**Helen Wright**, Program Associate, Computing  
Community Consortium

## Column Editor

Expanding the Pipeline  
**Patty Lopez**, Intel

# Professional Opportunities

## Antalya International University

### *Computer Engineering Faculty Positions*

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, computer systems and robotics. 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, 2015 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.

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, 2015, 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).

## Boise State University

### *Department of Computer Science Assistant/Associate/Full Professor - Open Rank, Tenure-Track*

The Department of Computer Science at Boise State University invites applications for an open-rank, tenured/tenure-track position in critical infrastructure cyber security, starting Spring or Fall 2015. The new faculty position is a joint appointment between Boise State and INL (Idaho National Labs), and will work closely with fellow researchers from INL in establishing vibrant industrial control cyber security research and graduate and undergraduate training programs. INL is host to the Department of Homeland Security Industrial Control System CERT (Computer Emergency Response Team) and supports a variety of other agencies in assessing and

developing technical solutions for critical infrastructure resiliency.

Applicants should have a commitment to excellence in teaching and a desire to make significant contributions in research by collaborating with government agencies, faculty, and industry to develop and sustain funded research programs. Senior applicants should have an established track record of research, teaching, and external funding. An earned PhD in Computer Science, or a closely related field, is required at the time of appointment as well as the ability to gain a government security clearance.

Boise State has made a significant investment in the growth of the Computer Science department, such that it is a critical part of the vibrant software and high-tech industry in the Boise metropolitan area. New faculty lines, graduate student support, and a tutoring center have been added to the department. The department is committed to offering a high quality educational experience and in building its research capabilities. A PhD program is currently under development.

About the University: <http://www.boisestate.edu/>

About the City of Boise: <http://www.boisechamber.org/>

About the Department: <http://coen.boisestate.edu/cs/>

### **Application Procedure Instructions:**

Qualified applicants should send a cover letter addressed to the CS Search Committee indicating your interest and qualifications, curriculum vitae, statements of teaching and research interests, and three professional references with contact information. Required documents should be emailed in PDF format to [CSsearch@boisestate.edu](mailto:CSsearch@boisestate.edu).

Review of applications will begin immediately and will continue until the position is filled.

# Professional Opportunities

## Bucknell University

*Tenure Track Assistant Professor  
Computer Science*

Applications are invited for a tenure-track position in computer science beginning mid-August 2015. We expect to hire at the Assistant Professor level, but outstanding candidates will be considered at Associate Professor or Professor; years of credit toward tenure will be awarded based upon qualifications. We seek a teacher-scholar with a demonstrated ability to work with a diverse student body. We are interested in applicants working in any area of computer science. Candidates working in Distributed Databases, Security, and Algorithms are encouraged to apply. The successful candidate must be able to participate in teaching of required core courses and be able to develop elective courses in the candidate's area of expertise. Candidates are expected to have a Master's degree and be ABD, or hold a PhD by the beginning of the 2015 semester. A strong commitment to excellence in teaching and scholarship is also required.

Review of applications will begin on January 5, 2015 and continue until the position is filled. Candidates are asked to submit a cover letter, CV, statements of teaching philosophy and research interests, and the contact information for three references.

Submit your application to <http://apply.interfolio.com/27888>. Please direct any questions to Professor Stephen Guattery of the Computer Science Department at [guattery@bucknell.edu](mailto:guattery@bucknell.edu).

Bucknell is a highly selective private university emphasizing quality undergraduate education in engineering and in liberal arts and sciences. The B.S. programs in computer science are ABET accredited. The computing environment is Linux/Unix-based. More information about the department can be found at: <http://www.bucknell.edu/ComputerScience/>.

Bucknell University, an Equal Opportunity Employer, believes that students learn best in a diverse, inclusive community and is therefore committed to academic excellence through diversity in its faculty, staff, and students. Thus, we seek candidates who are committed to Bucknell's efforts to create a climate that fosters the growth and development of a diverse student body. We welcome applications from members of groups that have been historically underrepresented in higher education.

## Fontbonne University

*Tenure-Track Faculty in Bioinformatics*

The Department of Mathematics and Computer Science at Fontbonne University launched an exciting new major in bioinformatics in fall 2014. As a result, the Math & Computer Science Department is seeking a new full-time, tenure-track faculty member to join the department. This faculty member will have the unique opportunity to serve as the first director of the new bioinformatics degree program. We seek a motivated, organized, enthusiastic and excellent instructor who can skillfully serve in multiple roles, including lecturer, student mentor, and program director. The new faculty member will be expected to design and teach upper division courses in bioinformatics as well as continue his/her research in the field. The successful candidate will be a dedicated and excellent teacher who can motivate undergraduate students to master the skills, concepts and methods of bioinformatics, as well as other topics in computer science and statistics.

Qualified candidate should:

- Hold a Ph.D. in bioinformatics, computer science, computer engineering, software engineering or a related field.
- Have experience with and/or an excellent understanding of molecular genetics, the tools of molecular biology and NextGen sequencing techniques.

- Have teaching experience
- Be willing to assume department and university responsibilities such as advising students, participating in university governance, and directing student research projects.
- Demonstrate excellent communication (oral and written), organizational, and networking skills.

Review of applicants will begin on January 12, 2015. Please send a current curriculum vita, a statement of teaching philosophy, evidence of teaching effectiveness, a brief statement of research interests/ accomplishments, and three letters of recommendation to:

Human Resources  
Fontbonne University  
6800 Wydown Boulevard  
St. Louis, MO 63105

Or via email to: [resumes@fontbonne.edu](mailto:resumes@fontbonne.edu).  
Equal Opportunity Employer

## Franklin & Marshall College

*Visiting Assistant Professor/Instructor of  
Computer Science*

Franklin & Marshall College invites applications for a Visiting Assistant Professor or Visiting Instructor position in COMPUTER SCIENCE, for the academic year 2014-2015, with possible renewal for a total of three years. The rank will depend on qualifications. We seek applicants who are eager to work with undergraduates in a liberal arts setting. Excellence in teaching and evidence of scholarly achievement are required, as is a Ph.D. or ABD in Computer Science.

Our teaching load is 3/2. The successful candidate will teach both introductory and advanced computer science courses. Salary will be competitive with computer science salaries at other liberal arts institutions. The College supports teaching and research in a variety of ways, including significant support for students to collaborate on research.

# Professional Opportunities

Applicants should submit the following at <https://academicjobsonline.org> (listing #5071)

- a letter of application;
- a curriculum vitae;
- teaching and research statements;
- teaching evaluations, if available (based on direct observations by students and/or supervisors);
- a graduate transcript (official copies will be required prior to an interview); and
- three letters of recommendation, including at least one that addresses the applicant's teaching ability.

Completed applications received by February 9, 2015 are guaranteed full consideration, although review of applications will continue until the position is filled. Direct any questions to Iwan Praton at [ipraton@fandm.edu](mailto:ipraton@fandm.edu) or at 717-291-4238.

Franklin & Marshall College is a highly selective liberal arts college located in Lancaster, Pennsylvania, about one and one half hours from both Philadelphia and Baltimore. For more information about the College, see our web site at [www.fandm.edu](http://www.fandm.edu). Franklin & Marshall College is committed to having an inclusive campus community where all members are treated with dignity and respect. As an Equal Opportunity Employer, the College does not discriminate in its hiring or employment practices on the basis of gender, race or ethnicity, color, national origin, religion, age, disability, family or marital status, or sexual orientation.

## Franklin University

*Department of Science, Technology,  
and Mathematics*

*Lead Faculty, Computing Sciences*

Franklin University is a private, independent, not-for-profit University located in Columbus, Ohio. The University invites applications for a full-time, year-round, computing sciences lead faculty, beginning immediately.

Applicants must possess a doctoral degree in computer science or related field. A specialization in information security, web development, or information technology, and at least three years of college teaching are strongly desired. ABD candidates may be considered.

To apply and see the complete position announcement, please visit: <http://www.franklin.edu/news-community/careers-at-franklin/search-positions/lead-faculty-computing-sciences>

EOE

## Grinnell College

*Department of Computer Science*

*Robert N. Noyce Visiting Professorship*

Applicants are sought for a one-year appointment as the Robert N. Noyce Visiting Professor in Computer Science. The Noyce Professorship brings outstanding scholars and leaders to Grinnell to enhance and enrich the knowledge of students and faculty. Past Noyce Professors include Richard Guy, Nathaniel Borenstein, Phillip and Phyllis Morrison, and Steve Cunningham and Judy Brown. In addition to expectations of teaching and scholarship, the



TEL: 650 842 4800  
FAX: 650 842 4880

**FX Palo Alto Laboratory**  
3174 Porter Drive  
Palo Alto, CA 94304

### Employment Opportunities at FXPAL

FX Palo Alto Laboratory, Inc. (FXPAL) invites applications from talented scientists to join our organization as research staff members at all levels, as post-doc researchers, or as visiting scientists (faculty sabbaticals). FXPAL has a strong history of contributions to the fields of multimedia and human-computer interaction, across a variety of their sub-disciplines. As the lab enters a new phase of growth, we seek candidates that can enhance our core competencies (see list at [fxpal.com/about/](http://fxpal.com/about/)), while also leading the lab into exciting new areas of exploration.

Candidates must show an interest and ability to contribute to the research community through publications, demonstrations, and service. Senior candidates must also have demonstrated leadership in their field of study: service on program committees, journal boards, invited talks. All candidates are expected to produce independently and collaborate with a diverse set of colleagues to build new technologies, study and report on interaction and design, or extend or create new principles and theories. A Ph.D. or equivalent degree in the candidate's field of study is expected.

#### About FXPAL:

FX Palo Alto Laboratory, Inc. (FXPAL) is an advanced research and development laboratory located in Northern California's Silicon Valley and is one of the world's leading laboratories for multimedia and communication technology. The lab is wholly owned by Fuji Xerox, a market leader of enterprise communication tools and services in the Asia Pacific region of the world. FXPAL researchers are charged with performing basic research to discover and invent new technologies to improve business and society. In addition to producing prototypes and intellectual property for Fuji Xerox, FXPAL researchers also contribute significantly to the scientific community, through publication of their work in scientific journals and conferences, serving on scientific boards and committees, and contributing technologies to the open source community.

#### To apply:

Please email your CV or resume to: [fxpalresumes@fxpal.com](mailto:fxpalresumes@fxpal.com). We are an equal opportunity employer and value diversity in the workplace.



# Professional Opportunities

Professorship includes a generous budget for additional activities of the candidate's choice, such as a topical symposium with support for external speakers.

Grinnell College is a highly selective undergraduate liberal arts college. The department of computer science prides itself on an innovative, internationally recognized curriculum that includes a multi-paradigm introductory sequence, encourages faculty-student research, and emphasizes workshop-style learning. Further information is available at: <http://www.cs.grinnell.edu>. The teaching schedule of four courses over two semesters will include two special-topics courses designed by the Noyce Professor and two courses selected by the Noyce Professor from the department's regular offerings.

In letters of application, candidates should discuss their interest in working with introductory and advanced students in classes, seminars and research projects and with faculty in teaching and in research. They should also discuss how they might contribute to a college community that has diversity—of people, personal and educational experiences, and disciplinary perspectives—as one of its core values. Applications will be considered as they are received.

Please submit applications online at <https://jobs.grinnell.edu>. Candidates will need to upload a letter of application and CV and provide email addresses for three references. Questions about this search should be directed to Professor Samuel Rebelsky, at [[NoyceCSSearch@grinnell.edu](mailto:NoyceCSSearch@grinnell.edu)] or 641-269-3169. AA/EOE

## IBM T.J. Watson Research Center

### *Research Scientist in Visualization*

IBM T.J. Watson Research Center is looking for research scientists with interest in

the field of data visualization and visual analytics, to design next-generation user interfaces for making sense of big data, particularly in the healthcare domain. The Research Scientist will be working alongside visualization, machine learning, and medical researchers performing cutting-edge research in data-driven medicine.

The ideal candidate should possess or be nearing completion of a doctorate in computer science or related field with a track record in interactive data visualization and visual analytics research, demonstrated with publications at premier venues, including IEEE InfoVis, IEEE VAST, ACM CHI, and ACM UIST. We are particularly interested in candidates with strong technical skills who can generate highly novel ideas and execute them rapidly.

More information about the position is available at: <http://ibm.co/ItP8Nae>.

## Illinois Wesleyan University

### *Department of Computer Science*

### *Visiting Faculty Member Computer Science*

The Department of Computer Science at Illinois Wesleyan University invites applications for a visiting (non-tenure track) faculty position for the 2015-16 academic year.

Please find further information at <http://www.iwu.edu/iwujobs/>

## KAIST (Korea Advanced Institute of Science & Technology)

### *Computer Science Department*

### *Tenure-Track Faculty Position*

The Department of Computer Science at KAIST (Korea Advanced Institute of Science & Technology) seeks outstanding tenure-track faculty in all areas of computer science at the assistant professor level. Exceptional candidates at the associate

and full professor levels will also be considered. Applicants must demonstrate superior research and scholarship potential as well as teaching ability. A PhD in Computer Science or a related area is required. Candidates should expect to receive their PhDs at least before their official appointment, if not by the time of application. Successful candidates are expected to pursue an active research program and contribute significantly to the teaching programs of the department. We accept applications all year round, but will strive to expedite the processing of applications that reach us either by 15th August or by 15th February.

Electronic applications, including a curriculum vita with contact information for three references, a research statement, and a teaching statement with a cover letter, should be submitted online at: <http://cs.kaist.ac.kr/facultysearch>

Questions should be directed to [facultysearch@cs.kaist.ac.kr](mailto:facultysearch@cs.kaist.ac.kr).

## Louisiana State University

### *School of Electrical Engineering and Computer Science - College of Engineering* *Assistant/Associate Professor -* *(Tenure-Track/Tenured/Multiple Positions)*

The Division of Computer Science and Engineering (CSE) within the School of Electrical Engineering and Computer Science at Louisiana State University (LSU)-Baton Rouge invites applications for three faculty positions beginning August 2015. The target focus areas are databases/big data and cybersecurity. Exceptionally qualified candidates in other areas of computer science will also be considered. Two positions are at the assistant professor level (tenure-track) whereas the third position is in cybersecurity and at the associate professor level (tenure-track/tenured) jointly with LSU Center for Computation and Technology.

# Professional Opportunities

**Required Qualifications:** The successful applicants 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.

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 January 30, 2015, or until a candidate is selected. Women and minorities are strongly encouraged to apply.

Apply online and view a more detailed ad at: [www.lsu.systemcareers.lsu.edu](http://www.lsu.systemcareers.lsu.edu). Position #multipleCSE For consideration, please submit a copy of your curriculum vitae (including contact address), a statement of your research and teaching interests, and the name, addresses, phone numbers, and e-mail addresses of at least three references.

**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=58392>.

## National University of Singapore

*Department of Computer Science  
Postdoc Research Fellow in  
Computer Security*

The Computer Science Department at National University of Singapore (NUS) seeks 6 Post-doctoral research fellows with differing expertise for a project in software and system security, funded by the National Research Foundation (NRF), starting January 2015. These research fellows will be part of a new center on software security <http://www.comp.nus.edu.sg/~tsunami/>.

Several global research labs (NEC), commercial firms (Symnatec, ST) and

Singapore-based government agencies (DSTA) have pledged support for translating research outcomes from the newly formed center to practice.

The investigator team consists of Abhik Roychoudhury (Lead PI), Zhenkai Liang, Jin Song Dong, Prateek Saxena, Roland Yap and Ee-chien Chang.

This 5 year multi-investigator research center aims to develop new mechanisms to detect, withstand and offer strong data protection against attacks on commodity systems composed from COTS components with rich interfaces to the cloud. Our goal is to take a multi-pronged approach to detecting and defeating attacks on the commodity COTS systems. The specific post-doc positions will cover the following topics and their intersection.

- Binary analysis: to investigate new techniques for binary analysis for scalable vulnerability detection and auto-patching software. This will involve analysis of program binaries.
- Binary hardening: Hardening existing COTS components to reduce unnecessary functionality through automatic transformations is an important goal of our center.
- Formal verification: Verification of component composition and protocols for communicating across components, is a focus of the center.
- Data protection: The center also aims to protect data outsourced to external cloud services against data theft, by developing new cryptographic techniques and trusted computing support in hardware.

### JOB REQUIREMENTS:

- A PhD degree in a relevant area of Computer Science (Security, Software Engineering, Programming Languages)
- Good publication record;
- Experience/ interest in building prototype software tools.

- Specific expertise in one of the following areas is useful: software testing, program analysis, binary analysis, compilers, software model-checking, verification, trusted computing, applied cryptography and virtualization.

### ABOUT NUS and the CENTER

NUS is a reputed world-class university that provides an outstanding, supportive research environment. Its School of Computing was recently ranked by QS as #1 in Asia and #9 in the world. Singapore is a vibrant, well-connected city with low taxes and a research hub centered in Asia.

For more details about the research center, please see <http://www.comp.nus.edu.sg/~tsunami/>

### DOCUMENTS NEEDED FOR APPLICATION:

If interested, please send your application including a cover letter, CV and a brief statement of research, specifically your PhD research. The initial term of appointment will be 1-2 years extensible to 5 years, upon review of satisfactory performance. The selected candidates will be offered strongly competitive salaries and benefits, ample support to travel for dissemination of research results, and substantial freedom to build up a strong research profile of their own by leading sub-teams within the research team of the center.

### TO APPLY:

Please email your materials to Ms. Cindy Loh – Administrative Assistant ([cloh@comp.nus.edu.sg](mailto:cloh@comp.nus.edu.sg)) with CC to Prof. Abhik Roychoudhury, Lead PI ([abhik@comp.nus.edu.sg](mailto:abhik@comp.nus.edu.sg))

## NYU Abu Dhabi

*Computer Science  
Assistant/Associate Instructor*

New York University has established a campus in Abu Dhabi, United Arab Emirates, and invites applications for Assistant /

# Professional Opportunities

Associate Instructor positions in the field of Computer Science. We encourage applicants with experience in undergraduate teaching of Computer Science courses and some system administration. An M.S. or M. Eng. in Computer Science or Computer Engineering or a B.Sc or B. Eng is required, and experience in industry or teaching is desirable.

The Instructor will support NYU Abu Dhabi's educational mission by assisting in the instruction of the Computer Science courses and recitations that are part of the Computer Science undergraduate curriculum. The instructor will also be responsible for grading assignments, taking part in departmental activities and responsibilities, and providing assistance with the preparation, development, instruction, and assessment of recitations and labs. Instructors will provide assistance in computer labs and activities that support Computer Science courses and student career development. During January Term and Summer Term, Instructors will support teaching and research through a variety of activities that may include research with a faculty member or conducting instructional enhancement projects, or both. Instructors undergo training during the last two weeks of August each academic year. Salaries are extremely competitive with a generous benefits package, and appointments are for up to three years with the opportunity to renew.

The Instructor will require proficiency in several computer languages, knowledge of basic mathematics related to computer science, and knowledge of fundamental concepts in a variety of systems, networks, and databases.

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

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

Entering its fifth year, NYU Abu Dhabi has recruited a cohort of faculty who are distinguished in their research and teaching. Our students are drawn from around the world and surpass all traditional recruitment benchmarks, both US and global. NYU Abu Dhabi's highly selective liberal arts enterprise is complemented by an institute for advanced research, sponsoring cutting-edge projects across the Arts, Humanities, Social Sciences, Sciences, and Engineering.

Applicants should submit a resume, teaching statement, cover letter, and three letters of reference in PDF format to be considered. Please visit our website at: <http://nyuad.nyu.edu/en/about/careers/faculty-positions.html> for instructions and other information on how to apply. Applications are open until January 15, 2015. If you have any questions, please e-mail [nyuad.science@nyuad.edu](mailto:nyuad.science@nyuad.edu).

EOE/Minorities/Females/Vet/Disabled

## NYU Abu Dhabi

### Computer Science

#### Faculty Positions

The department expects to have several tenure/tenure track faculty positions beginning in September 2015 and invites candidates across all areas of computer science. Applicants are expected to be outstanding scholars with excellent track records in their field and participate in teaching at all levels from undergraduate to doctoral. New appointees will be offered competitive salaries and startup packages, with affordable housing on campus. New York University Abu Dhabi is located on

Saadiyat Island, the cultural centerpiece of Abu Dhabi.

We are specifically looking for candidates in one of the following areas:

1. **Human Computer Interaction.** We are prioritizing candidates with research experience in the design, building and testing of interactive systems, such as physical computational artifacts, mobile applications, online environments, or other kinds of devices or software.
2. **Systems.** We are looking for researchers with a strong experience building and deploying large-scale systems in the real world and who specialize in any of the following sub-areas of operating systems, networking, and distributed systems.
3. **Cyber security.** We are looking for researchers with a strong experience building and deploying large-scale security solutions in the real world with a focus on systems security, network security, privacy, cryptography, and formal methods.
4. **Computer Graphics.** We are seeking researchers who successfully build and demonstrate computer graphics technology with humans in the loop, and seamlessly merge CG and HCI techniques. Candidates are encouraged to submit links to videos and other online resources that showcase their prior work.

Successful candidates will find a congenial research environment that includes supportive and highly motivated colleagues and broad opportunities for interdisciplinary research across the different campuses of the NYU system.

The terms of employment are highly competitive, and include housing 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. Appointments can begin as soon as

# Professional Opportunities

September 1, 2015, but candidates may elect to start as late as September 1, 2016.

*Review of applications will begin **January 15, 2015**.* Candidates should submit a cover letter, curriculum vitae, statements of teaching and research interests (not to exceed three pages each), no more than three representative publications and three letters of reference in PDF format to be considered. Please visit our website at <http://nyuad.nyu.edu/en/about/careers/faculty-positions.html> for instructions and other information on how to apply. If you have any questions, please e-mail [nyuad.science@nyu.edu](mailto:nyuad.science@nyu.edu).

About NYUAD:

New York University has established itself as a Global Network University, a multi-site, organically connected network encompassing key global cities and idea capitals. The network has three foundational degree-granting campuses: New York, Abu Dhabi, and Shanghai, complemented by a network of eleven research and study-away sites across five continents. Faculty and students circulate within this global network in pursuit of common research interests and the promotion of cross-cultural and interdisciplinary solutions for problems both local and global.

Entering its fifth year, NYU Abu Dhabi has recruited a cohort of faculty who are distinguished in their research and teaching. Its students are drawn from around the world and surpass all traditional recruitment benchmarks, both US and global. NYU Abu Dhabi's highly selective liberal arts enterprise is complemented by an institute for advanced research, sponsoring cutting-edge projects across the Arts, Humanities, Social Sciences, Sciences, and Engineering.

EOE/Minorities/Females/Vet/Disabled

## NYU Shanghai

*Computer Science: Machine Learning & Big Data/Data Science*

*Faculty Position*

NYU Shanghai invites outstanding applications for two tenure-track or tenured faculty appointments in Computer Science. Applicants to the first position should have an active research program in machine learning and be dedicated to making fundamental technical contributions in this vital area. Applicants to the second position should have research interests related to big data and data science as broadly defined, including database systems, data mining, information retrieval, natural language processing, data visualization, and applications in areas such as medicine, business, and the natural and social sciences. Applicants must have demonstrated excellence in both research and teaching. When discussing their teaching experience and interests, candidates should identify courses they could teach both within and outside their specialty. Candidates must have completed a Ph.D. or equivalent by the time of appointment.

The terms of employment in NYU Shanghai are comparable to U.S. institutions and include research start-up funds, generous compensation, 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, and have opportunities to collaborate with the many research centers and groups at NYU, including our recently launched centers for Data Science (CDS) and Urban Science and Progress (CUSP).

Applications are due no later than **January 31, 2015** and will be reviewed until the position is filled. To be considered, applicants should submit a curriculum vitae, a statement of research and teaching interests, and electronic copies of up to five

recent relevant publications. To complete the online process, applicants will be prompted to enter the names and email addresses of at least three referees. Each referee will be contacted to upload their reference letter. Please visit our website at <https://shanghai.nyu.edu/about/work/faculty-positions> for instructions and other information on how to apply. If you have any questions, please e-mail [shanghai.faculty.recruitment@nyu.edu](mailto:shanghai.faculty.recruitment@nyu.edu).

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

## NYU Shanghai

*Electrical Engineering: Robotics and Multimedia Data Analysis*

*Faculty Position*

NYU Shanghai invites outstanding applications for tenure-track or tenured



# Professional Opportunities

faculty appointments in electrical and computer engineering (ECE) with special emphases in multimedia data analysis and robotic systems. Exceptionally strong candidates in other areas in ECE will also be considered. The applicants must have demonstrated abilities in both research and teaching. In describing teaching experience, candidates should identify courses they could teach both within and outside their specialty. Candidates must have completed a Ph.D. or equivalent by the time of appointment.

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 NYU global network, engaging in both research and teaching.

Applications are due no later than **January 15, 2015** and will be reviewed until the position is filled. To be considered, candidates should submit a curriculum vitae, separate statements of research and teaching interests (no more than three pages each), and electronic copies of up to five recent, relevant publications.

To complete the online process, applicants will be prompted to enter the names and email addresses of at least three referees. Each referee will be contacted to upload their reference letter. Senior candidates are not required to submit references at this time. Please visit our website at <http://shanghai.nyu.edu/about/work/faculty-positions> for instructions and other information on how to apply. If you have any questions, please e-mail [shanghai.faculty.recruitment@nyu.edu](mailto:shanghai.faculty.recruitment@nyu.edu).

## **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

## **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, 2015. 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 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



# Professional Opportunities

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.

## Oberlin College

*Department of Computer Science  
Visiting Assistant Professor of  
Computer Science*

The Department of Computer Science at Oberlin College invites applications for a full time, non-continuing faculty position for one year starting in the Fall of 2015.

The area of specialization within Computer Science is open, with a preference for Systems or Architecture. For additional information see the full posting on AcademicJobsOnline.org or <http://new.oberlin.edu/home/jobs/>.

Applicants must apply online at Academic Jobs Online

<https://academicjobsonline.org/ajob/jobs/5239>

## Purdue University

*Faculty Openings in "Big Data"*

Purdue University has identified Big Data as a major thrust for inter-disciplinary research and education. The departments of Computer Science, and Electrical and Computer Engineering will consider outstanding candidates with an interest in all data-related areas of physics with equal priority given to all areas.



## North Orange County Community College District



**North Orange County Community  
College District now hiring the  
following position:**

### COMPUTER SCIENCE INSTRUCTOR

JOB #FCF672 - Tenure-track position, 100% contract

**STARTING DATE:** August 21, 2015

#### MINIMUM QUALIFICATIONS:

- Master's in computer science or computer engineering; OR
- Bachelor's in either of the above AND master's in mathematics, cybernetics, business administrating accounting or engineering; OR
- Bachelor's in engineering AND master's in cybernetics, engineering mathematics, or business administration; OR
- Bachelor's in mathematics AND master's in cybernetics, engineering mathematics, or business administration; OR
- Bachelor's in any of the above AND a master's in information science, computer information systems, or information systems; OR the equivalent.
- Equivalent qualifications may include related education, training, employment and professional experience that would be equal to the required degree(s) and experience in this field as determined by the District Equivalency Committee.
- Demonstrated sensitivity to and understanding of the diverse academic, socioeconomic, cultural, disability, gender identity, sexual orientation, and ethnic backgrounds of community college students, faculty and staff.

All degrees and course work used to satisfy the required minimum qualifications must be from accredited postsecondary institutions (see [www.nocccd.edu/Employment](http://www.nocccd.edu/Employment) regarding accredited postsecondary institutions).

**SALARY:** The initial salary placement range is \$56,764- \$85,940 depending on applicable education and experience. Initial salary placement will be determined by the District Office of Human Resources in accordance with the faculty collective bargaining agreement and is not negotiable.

**APPLICATION PROCEDURE:** Reference Job # FCF672 in all correspondence. Complete the online District Academic Application on our website at <http://apptrkr.com/563394>. Applicants MUST submit their District Application online. A printed copy of the application and all other materials MUST be submitted to the Office of Human Resources by the closing date.

**DEADLINE FOR APPLICATIONS:** Application package must be received by 5:00 pm, March 11, 2015. Postmarks will not be honored. Application packages received after the closing deadline will not be accepted. The District does NOT accept application materials by fax or email.

**EQUAL OPPORTUNITY EMPLOYER**

# Professional Opportunities

Several faculty positions are available in enabling technologies as well as in domain sciences that deal with the use and management of digital data. The new hires will join a strong faculty group engaged in this thrust area and will have a unique opportunity to help shape Purdue's vision and research/education agenda in Big Data. Candidates for tenure and tenure-track positions at the Assistant/Associate professor level will be considered. Strong interest in inter-disciplinary activities is required. Outstanding candidates with an interest in all data-related areas of computer science and engineering, physics will be considered. Examples of specific fields of interest are data infrastructure (storage and networking), system software infrastructure (OS, programming models), scalable analytics (data mining and machine learning at scale), analytics presentation (information visualization) and data-enabled methods (data curation and preservation) and applications in domain sciences. A detailed description of open positions is available at <http://www.purdue.edu/bigdata/hiring>.

Candidates must hold a PhD degree in one of the above-mentioned areas or in a closely related discipline, have demonstrated potential for excellence in research, and be committed to excellence in teaching. Successful candidates will be expected to teach undergraduate and graduate courses, conduct research in their field of expertise, and participate in interdisciplinary Big-Data activities.

Salary and benefits are highly competitive, and Purdue is a dual career friendly employer. Submit applications online at <http://www.purdue.edu/bigdata/hiring>. The application should include a cover letter, a complete and detailed vitae, and statements of research and teaching interests. Also, please include names, addresses, telephone numbers, and email addresses for three or more references. Hard copy applications can be sent to: Faculty Search Chair, Big

Data Search Committee, 305 N. University Street, Purdue University, West Lafayette, IN 47907. For questions regarding the application process, please contact Nicole Piegza ([piegza@purdue.edu](mailto:piegza@purdue.edu)). Applications for positions to begin in Fall 2015 are being considered as of October 9, 2014; the review will continue until the positions are filled.

A background check will be required for employment in these positions. Purdue University is an EEO/AA employer fully committed to achieving a diverse workforce. All individuals, including minorities, women, individuals with disabilities, and protected veterans are encouraged to apply.

## Assistant/Associate Professor

The College of Information Sciences and Technology (IST) at the Pennsylvania State University invites applications for a faculty position in information security and privacy. We seek exceptional candidates with a high quality research and publication record to strengthen and complement our current research strengths in systems and software security, usability considerations in privacy and security, economics of information security, and privacy. We welcome applications from scholars at all ranks and with a variety of disciplinary backgrounds including computer and information sciences, decision sciences, and economics. Successful candidates will be expected to develop an internationally competitive, externally funded research program, contribute to graduate and undergraduate education and training. The Pennsylvania State University is the land grant institution of Pennsylvania. The College of IST offers a highly collaborative interdisciplinary research environment, strong research programs (the cyber-security program is currently funded by over \$4 million of prestigious external grants), a strong PhD program, and a very successful undergraduate program.

To apply, please visit <http://apptrkr.com/536800>. Review of applications will begin on Nov. 15, 2014, and continue until the position is filled. Enquiries about the position may be directed to [recruit@ist.psu.edu](mailto:recruit@ist.psu.edu).

Employment will require successful completion of background check(s) in accordance with University policies.

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 minorities, women, veterans, disabled individuals, and other protected groups.

# Professional Opportunities

## Queens College

*Assistant, Associate, or Full Professor –  
Data Science*

Queens College seeks an established or emerging researcher in the area of data

science with significant research experience in applying and developing data science.

Consult <http://www.qc.cuny.edu/HR/Pages/JobListings.aspx> for further information.

## Rutgers University

*Faculty Position*

The Computer Science Department at Rutgers University invites applications for a Tenure-Track Assistant Professor Position in Data Science. The appointment will start in September 2015. Applicants should submit their CV, a research and a teaching statement along with three references through <http://apply.interfolio.com/27407> by Monday, February 16, 2015.

We are particularly interested in applicants whose research expertise focuses on novel methods to address the massive amounts of data generated from a multitude of sources and sensors, spanning the areas of machine learning, data mining, computational statistics, information retrieval and extraction, and scalable algorithms. Application domains may include neuroscience, medical informatics, distributed decision-making, cognitive science, linguistics, visual analytics, complex networks, smart cities, environmental monitoring, and social sciences.

Applicants should exhibit exceptional research promise with potential for external funding, and commitment to quality advising and teaching. Hired candidates must complete the Ph.D. in CS or a closely related field by December 31, 2015 the latest.

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.

Additional information can be found at: [http://www.cs.rutgers.edu/employment/2015\\_Tenure\\_Track.whtml](http://www.cs.rutgers.edu/employment/2015_Tenure_Track.whtml)

## Rochester Institute of Technology

### Director of Carlson Center for Imaging Science

**Requisition Number: 1504BR**

RIT seeks a visionary and dynamic leader to serve as the Director of the Chester F. Carlson Center for Imaging Science, an interdisciplinary and experiential research and education center dedicated to advancing the technical frontiers of imaging science.

**REQUIRED MINIMUM QUALIFICATIONS:** The successful candidate must have:

- An earned doctorate, with significant research experience related to imaging science
- Demonstrated strong management, leadership, communication, and advocacy skills
- The ability to facilitate a broad research portfolio that encompasses the many dimensions of imaging science, fostering and encouraging collaboration with other academic disciplines

An appropriate candidate may be appointed at the level of full professor with tenure.

**Required Minimum Education Level:** PhD

**Required Application Documents:**

- Curriculum Vitae or Resume
- Cover Letter
- List of References

**HOW TO APPLY:** Apply online at <http://apptrkr.com/552345> and search openings, then Keyword search 1504BR.

**Please submit:** Upload your application as a PDF document including your curriculum vitae, cover letter (which should include a discussion of the expertise, leadership experience, and other attributes you would bring to the role of Director of the Chester F. Carlson Center for Imaging Science at RIT, and how you would fulfill the goals and responsibilities identified in the position descriptions) and a list of three professional references (with contact information). Review of applications will begin February 16, 2015 and continue until a suitable candidate is identified.

Materials should be addressed to Search Committee Chairs, Chester F. Carlson Center for Imaging Science. Questions about the online application process should be directed to [careers@rit.edu](mailto:careers@rit.edu).

Questions about the Center or the Director position may be directed to the search committee at [cisdirectorsearch2015@cis.rit.edu](mailto:cisdirectorsearch2015@cis.rit.edu), or directly to the search committee co-chairs:

**Jeff B. Pelz**

Wiedman Professor  
Chester F. Carlson Center for Imaging Science  
Rochester Institute of Technology  
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Rochester, NY 14623  
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or

**Deborah M. Stendardi**

Vice President for Government  
and Community Relations  
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30 Lomb Memorial Drive  
Rochester, NY 14623  
[dmsgri@rit.edu](mailto:dmsgri@rit.edu) / 1 585 475-5040

**Additional Details:** RIT does not discriminate. RIT promotes and values diversity, pluralism and inclusion in the work place. RIT provides equal opportunity to all qualified individuals and does not discriminate on the basis of race, color, creed, age, marital status, sex, gender, religion, sexual orientation, gender identity, gender expression, national origin, veteran status or disability in its hiring, admissions, educational programs and activities. RIT provides reasonable accommodation to applicants with disabilities, veterans or wounded warriors where appropriate. If you need reasonable accommodation for any part of the application and hiring process, please contact the Human Resources office at 585-475-2424 or email your request to [Careers@rit.edu](mailto:Careers@rit.edu). Determinations on requests for reasonable accommodation will be made on a case-by-case basis.

# Professional Opportunities

## Rutgers University

### *Tenure Track Faculty Position*

The Computer Science Department at Rutgers University invites applications for a Tenure-Track Assistant Professor Position in **Intelligent Interactive Systems**. The appointment will start in September 2015.

The emphasis for the position is on machine intelligence, learning, and autonomy. This includes collaborative robots, learning from experience, acquisition and use of contextual knowledge, assistive and rehabilitation technologies, recognition of object properties and human intent, dexterous manipulation, autonomous mobility, distributed multi-robot systems, wearable devices. Experience in designing or working with hardware platforms for studying autonomy will be considered positively.

Applicants should exhibit exceptional research promise with potential for external funding, and commitment to quality advising and teaching. Hired candidates must complete the Ph.D. in CS or a closely related field by December 31, 2015 the latest.

Applicants should submit their CV, a research and a teaching statement along with three references by Monday, February 16, 2015 through <http://apply.interfolio.com/27672>

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.

Additional information can be found at: <http://www.cs.rutgers.edu/employment/>

## Stanford University

### *Department of Computer Science Faculty Opening*

The Department of Computer Science at Stanford University invites applications for a senior-level teaching faculty position. The appointment will be made as a non-tenure line Professor (Teaching), with rank (Associate or Full Professor) depending upon the candidate's seniority and experience. Normally, the initial appointment term is 5 years, and is eligible for promotion to a continuing term appointment, which provides security of appointment without requiring further formal reappointment.

The candidate's responsibilities include: teaching classes (typically four courses during the three quarters of the regular academic year), working to develop CS undergraduate curriculum, and involvement in the broader CS educational community. The ideal applicant for this position will have a strong commitment to and demonstrated aptitude for teaching, as well as an established reputation and national visibility in Computer Science Education. All candidates must hold a Ph.D. in computer science or a closely related discipline. Further information about the Computer Science Department can be found at <http://cs.stanford.edu>. The School of Engineering website may be found at <http://soe.stanford.edu>.

Applications should include a cover letter, curriculum vita, teaching statement, material relevant to evaluating the applicant's teaching abilities, and the names and contact information of at least three references. Candidates are requested to ask references to send their letters directly to the search committee. Applications and letters should be sent to: Search Committee Chair, c/o Laura Kenny-Carlson, via electronic mail to: [search@cs.stanford.edu](mailto:search@cs.stanford.edu). Applications will be accepted until March 2, 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.

## State University of New York at Binghamton

### *Department of Computer Science Six Tenure-Track Positions*

The Computer Science Department at Binghamton University has six tenure-track positions beginning Fall 2015. Applicants should have a Ph.D. in Computer Science or related discipline, a strong research record, and a commitment to teaching. Qualified applications are invited from candidates with specializations in any of these four areas: (1) portable device/system design & energy-aware systems design (two positions), (2) healthcare information systems & data analytics for healthcare (two positions), (3) cybersecurity (one position) and, (4) computer networks (Associate level will also be considered).

The Department has established graduate and undergraduate programs, including 60 full-time PhD students and 27 Faculty members. Junior faculty have a significantly reduced teaching load for at least the first three years.

Further details and application information are available at: <http://binghamton.interviewexchange.com/jobofferdetails.jsp?JOBID=53958>

For the faculty positions in areas (1) and (2) above, the Department seeks a research scholar with research that will affiliate with the Binghamton University Transdisciplinary Areas of Excellence Initiative in Smart



# Professional Opportunities

Energy (<http://www.binghamton.edu/tae/smart-energy/>) and 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 20, 2015.

We are an EE/AA employer.

## Stevens Institute of Technology

### *Computer Science - Assistant Professor*

The Computer Science Department at Stevens Institute of Technology invites applications for a tenure-track position beginning in August 2015. Special consideration will be given to candidates in machine learning, learning at scale, visual computing, or secure systems at the assistant professor level. However, outstanding applicants at other levels and/or in other areas of Computer Science may also be considered.

Applicants are expected to have a Ph.D. in Computer Science or a closely related field, a record that suggests the potential to achieve national prominence in research, and a strong commitment to teaching. A successful candidate will be expected to conduct a vigorous, externally funded research program and to teach and innovate curricula at both the undergraduate and graduate levels.

Stevens Institute of Technology is a private university located in Hoboken, New Jersey. The 55-acre campus is on the Hudson river across from midtown Manhattan within a few minutes from NYC via public transportation. Hoboken is an upscale small city, the residence of choice for many professionals working in NYC. Faculty live in Hoboken, Manhattan, and in suburban communities in Northern New Jersey along commuter train lines to Hoboken

and NYC. Stevens' location offers excellent opportunities for collaborations with nearby universities such as NYU, Princeton, Columbia, and Rutgers/DIMACS as well as major industrial research laboratories such as Bell Labs, AT&T Labs, IBM Research, Google NYC, Siemens, and the Sarnoff Corporation.

Applications should include a curriculum vitae, teaching and research statements, and at least three references. PDF is preferred for all application materials and reference letters.

Stevens Institute of Technology is an Equal Opportunity Employer.

Stevens is building a diverse faculty, staff, and student body and strongly encourages applications from females and minority candidates as well as veterans and individuals with disabilities.

Please apply at <http://web.stevens.edu/compsci/search/researchapp.php>

## Texas A&M University-Corpus Christi

### *School of Engineering & Computing Sciences*

#### *Two x Assistant Professor of Computer Science Positions*

TAMU-CC invites applications for two tenure-track Assistant Professor positions in Computer Science. Appointment at a higher rank may be possible for qualified candidates. Successful candidates are expected to have expertise in Computer Science and its applications in geospatial computing and/or computer security and information assurance. The starting date of the positions is Fall 2015.

The School of Engineering & Computing Sciences (ENCS) prepares students to pursue productive careers and advanced degrees in engineering, computer science, or geospatial information science.

The following are the minimum qualifications for the positions:

- An earned Ph.D. in Computer Science or a closely related field at the time of appointment,
- Established record of external funding that supports the candidate's graduate and research program commensurate with the candidate's level,
- Record of original research, with significant publications in archival journals commensurate with the candidate's level,
- Demonstrated excellence in teaching at the undergraduate and graduate levels, and in supervising graduate and undergraduate student researchers in computer science; candidates for assistant professor position should show their teaching potential, and
- Ability to communicate effectively with an ethnically and culturally diverse campus community.

The basic job requirements include:

- Teaching undergraduate and graduate-level courses,
- Establishing and directing an active and externally funded research program, Publishing research results in archival journals with high impacts,
- Advising geospatial computing sciences Ph.D. students and computer science M.S. students, Assisting with graduate student recruitment,
- Supporting the Geospatial Computing Sciences Ph.D. Program and the Computer Science M.S. Program, and
- Representing the school in national and international computing functions.

Information about the school is available at <http://encs.tamucc.edu/>.

Apply online at <https://pal49.peopleadmin.com>; job number: 0523.

Texas A&M-Corpus Christi is an Equal Opportunity/Affirmative Action Employer committed to diversity.



# Professional Opportunities

## Texas A&M University-Corpus Christi

*School of Engineering & Computing Sciences*

*Rogelio Benavides Endowed Chair of Computer Science Position*

TEXAS A&M UNIVERSITY-CORPUS CHRISTI (TAMU-CC) invites applications for the Rogelio Benavides Endowed Chair of Computer Science position. This position is a tenure-on-arrival position at the Associate or Full Professor rank. Successful candidates for the Rogelio Benavides Endowed Chair of Computer Science position 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. The new Ph.D. program in geospatial computing sciences integrates computer science and geospatial science in advancing the frontiers in the capture, integration, analysis and application of geospatial data. Equipment, facilities, and unmanned platforms available at TAMU-CC enable the experimental validation of geospatial computing research. The starting date of the positions is Fall 2015.

More information about the school is available at <http://encs.tamucc.edu/>.

To learn more and to apply online, please visit <https://islanderjobs.tamucc.edu/>; posting number: F00016P0.

TAMU-CC is an Equal Opportunity/Affirmative Action Employer committed to diversity.

## The University of British Columbia, Vancouver

*Department of Electrical & Computer Engineering*

*Assistant/Associate/Full Professor - Machine Learning*

The Department of Electrical and Computer Engineering (ECE) at The University of British

Columbia (UBC) invites applications for a tenure-track or tenured faculty position at the Assistant, Associate, or Full Professor rank in the area of machine learning and control from candidates with a strong fundamental background in machine learning theory for dynamical systems, system identification, and control.

Applicants must demonstrate a clear potential for and interest in achieving excellence in research and teaching. Successful applicants will preferably have relevant industrial experience and be active in enhancing educational and research links within the community. All faculty members are expected to teach at both undergraduate and graduate levels, supervise graduate students, develop a sponsored research program, collaborate with other faculty, and be involved in community and professional service. Applicants should have received a Ph.D. or equivalent in electrical engineering, computer engineering, or a relevant area. Registration as a Professional Engineer in British Columbia is required within five years of appointment. These appointments are expected to commence as early as 1 July 2015. 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.

For a complete job description and detailed application instructions, please visit: <http://facultycareers.ubc.ca/19775>

UBC hires on the basis of merit and is strongly committed to equity and diversity within its community. We especially welcome applications from visible minority group members, women, Aboriginal persons, persons with disabilities, persons of minority sexual orientations and gender identities, and others with the skills and knowledge to productively engage with diverse communities. All qualified candidates are encouraged to apply; however

Canadians and permanent residents will be given priority.

## University of California, Irvine

*Department of Computer Science*

*Three Tenure-Track Assistant Professor Positions*

The Department of Computer Science (CS) at the University of California, Irvine (UC Irvine) invites applications for three tenure-track Assistant Professor positions. One position targets Artificial Intelligence and Machine Learning, the second position is in Computer Systems, and the third is CS-wide. Exceptionally qualified more advanced candidates may also be considered for a tenured position.

The department has 44 faculty members and 285 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 February 1, 2015.

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 at [recruit.ap.uci.edu/apply](http://recruit.ap.uci.edu/apply) using one of the links below.

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING applicants:

Tenure-Track Assistant Professors may apply at: <https://recruit.ap.uci.edu/apply/JPF02666>

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Tenured Associate Professor may apply at:  
<https://recruit.ap.uci.edu/apply/JPF02668>

COMPUTER SYSTEMS applicants:

Tenure-Track Assistant Professors may  
apply at: <https://recruit.ap.uci.edu/apply/JPF02669>

COMPUTER SCIENCE applicants:

Tenure-Track Assistant Professor may  
apply at: <https://recruit.ap.uci.edu/apply/JPF02670>

Tenured Associate Professor may apply at:  
<https://recruit.ap.uci.edu/apply/JPF02671>

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, 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, San Diego

*Department of Computer Science  
and Engineering*

*Assistant, Associate or Full Professor*

The UCSD Department of Computer Science and Engineering (CSE) seeks Assistant, Associate, or Full Professors to fill multiple tenured or tenure-track faculty positions. Exceptional candidates in all areas will be seriously considered. Our focus this year is in candidates who advance, or enable other researchers to do so, research initiatives at the intersection of physical sciences (e.g., cyber-physical systems, vision/robotics), data sciences (e.g., databases,

security/privacy, HCI) or life sciences (e.g., bioinformatics, medical informatics). Across all areas, we have particular interests in candidate who have experience and interest in building real experimental artifacts in their research.

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; however, excellent candidates at all levels will be seriously considered. 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. in Computer Science & Engineering or related disciplines, is required. Salary and rank will be commensurate with qualifications in conformance with University of California policies.

The CSE Department is committed to building an excellent, diverse, and inclusive faculty, staff and student body. In addition to the highest standards of scholarship, teaching, and professional activity, the preferred candidates for any position will have potential or demonstrated contributions to a climate that supports equity, inclusion, and diversity.

CSE is home to over 50 faculty and 300 graduate students who span a range of research areas in computer science, computer engineering and bioinformatics. In addition, the department works closely with the Center for Networked Systems (CNS), the California Institute for Telecommunications and Information Technology (CalIT2), the San Diego Super Computer Center (SDSC), and the Center for Wireless Communications (CWC), which provide unique opportunities and resources. More information can be found at <http://www.cse.ucsd.edu>.

We encourage candidates to send applications as soon as possible. Applications received by January 1, 2015 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/JPF00671>.

Please submit a cover letter, curriculum vita, research and teaching statements, and 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-Applclicant-C2D-Info.asp>.

For applicants with interest in spousal/partner employment, please see <http://academicaffairs.ucsd.edu/aps/partneropp/index.html> for the UCSD Partner Opportunities Program.

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.

## University of Central Florida

*Assistant or Associate Professor in  
Human-Computer Interaction*

The Computer Science Division in the College of Engineering and Computer Science at UCF invites candidates for a tenure-track/tenure position at the Assistant or Associate Professor level, starting Fall 2015, in the area of Human-Computer Interaction (HCI).

Successful candidates will have a record of high-quality publications and be recognized for their expertise and the impact of their research, and will have the opportunity

# Professional Opportunities

to join the newly established Interactive Systems and User Experience Research Cluster of Excellence in the college.

The position requires a Ph.D. from an accredited institution in an area appropriate to Computer Science and a strong commitment to the academic process, including teaching, scholarly publications, and sponsored research. Candidates who conduct research in any area of HCI that are eager to establish multidisciplinary collaborations will be considered. Candidates with a distinguished record of scholarship, teaching, research funding and professional visibility may be considered for appointment as a tenured associate professor.

Computer Science at UCF has a rapidly-growing educational and research program with nearly \$4.6 million in research contracts and expenditures annually and over 215 graduate students. Computer Science has strong areas of research in HCI, Virtual and Mixed Reality, Computer Vision, and Machine Learning. Research sponsors include NSF, NIH, NASA, DOT, DARPA, ONR, and other agencies of the DOD. Industry sponsors include AMD, Boeing, Canon, Electronic Arts, General Dynamics, Harris, Hitachi, Intel, Lockheed Martin, Oracle, SAIC, Symantec, Toyota USA, and Walt Disney World, as well as local startups. More information about the Computer Science Division can be found at <http://www.cs.ucf.edu/>.

UCF has about 60,000 students and is the nation's second largest university. Located in Orlando, UCF is at the center of the I-4 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 hosts more than 100 high-technology companies and the 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 opened in 2009. 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 complete an online job application at <https://www.jobswithucf.com/postings/40189>. The application should include a cover letter, curriculum vitae, statements of research and teaching philosophy, and at least three professional references complete with address, phone number, and email address.

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 the District of Columbia

### *Faculty Search in Computer Science and Information Technology*

The Department of Computer Science and Information Technology at the University of the District of Columbia seeks applications for **one tenure-track position at the level of Assistant/Associate Professor** beginning in August 2015. We welcome all candidates in all areas of Computer Science and Information Technology to apply. Applicants must hold a Ph.D. in Computer Science, IT, or closely related disciplines. We are particularly interested in candidates with research experiences in the following areas: networks, cyber-security, mobile computing, cloud computing, computer vision, robotics, artificial intelligence or operating systems.

Candidates who have strong practical expertise in Confidentiality, Integrity, and Availability in Technology, Policy & Practice, and Education & Awareness of information assurance and incorporating protection, detection, and reaction capabilities are encouraged to apply. Faculty duties include teaching undergraduate and graduate students, conducting high-quality research by collaborating closely with the department's established teams, participating in and developing externally funded research projects, and performing academic duties, university services, and professional services.

The University of the District of Columbia is a comprehensive urban land-grant institution and is classified as a Historically Black College and University. It is the only public university in the District of Columbia, the U.S. Capital.

Applicants should submit a CV with three references (names and contact information) and teaching & research statement. All applicants should submit required materials, in electronic formats through UDC website: [Click Here to Apply](#) Reviews will continue until position is filled. The University of the District of Columbia is an Equal Opportunity/Affirmative Action Employer.

## University of Florida

### *Tenure-Track Faculty Positions*

The Department of CISE in the College of Engineering at the University of Florida is recruiting tenure-track faculty positions at the level of Associate and Full Professor in the in the area of "Social Networks Analysis." The ideal candidate will take innovative approaches to interdisciplinary and multidisciplinary research and teaching. UF seeks to hire researchers that can advance social networks research both in depth and breadth, synergizing with three institutes: (I) Big Data and the Informatics

# Professional Opportunities

Institute; (2) Quantitative Social Sciences; and (3) Mathematical Modeling of Disease Transmission and Viral Marketing. Areas of specific interest include but are not, limited to social media analysis, crowd sourcing, recommender systems, information diffusion, privacy, security and data mining in social networks.

Qualifications: Candidates must hold a PhD degree in computer science or in a closely related discipline and should have demonstrated potential in research, funding, scholarship and teaching. Applications for positions that will commence in fall 2014 are now being considered. The application should include a cover letter, detailed vitae, statement of research interest, and a list of references. Submit applications or questions to:

Social Networks Analysis:  
[socialnetworksearch@cise.ufl.edu](mailto:socialnetworksearch@cise.ufl.edu);

The CISE Department offers B.S., M.S., and Ph.D. degree programs with an enrollment of about 870 full-time undergraduate students and nearly 500 graduate students of which about 140 are PhD students. The CISE Department has 38 tenured or tenure-track faculty members with several IEEE, ACM, AAAS, and SCS Fellows, and one member of the European Academy of Sciences. The Department also has 13 NSF Career Award winners and 2 YIP Award winners. The Department has an endowment of \$3 million from Harris Corporation for promoting innovation in Computer Science and Engineering. The Department's current external research expenditures exceed \$5 million annually. Areas of research strength in the Department include: Applied Algorithms & Parallel Computing, Databases, Computer Vision and Machine Learning, Wireless Communications & Networking, and Graphics & Human Computer Interface. The Department has additional emerging areas of strength in cybersecurity, and big data

and bio-informatics. For more information about the CISE Department and the College of Engineering, please visit [www.cise.ufl.edu](http://www.cise.ufl.edu) and [www.eng.ufl.edu](http://www.eng.ufl.edu), respectively.

University of Florida counts among its greatest strengths – and a major component of its excellence – that it values broad diversity in its faculty, students, and staff and creates a robust, inclusive and welcoming climate for learning, research and other work. UF is committed to equal educational and employment opportunity and access and seeks individuals of all races, ethnicities, genders and other attributes who, among their many exceptional qualifications, have a record of including a broad diversity of individuals in work and learning activities.

## University of Illinois at Chicago

### *Department of Computer Science Faculty – Tenure Track – Computer Science*

The Computer Science Department at the University of Illinois at Chicago invites applications in all areas of Computer Science for multiple tenure-track positions at the rank of Assistant Professor (exceptional candidates at other ranks will also be considered).

We are looking to fill:

- (a) One position in Big Data, where our focus ranges from data management and analytics to visualization and applications involving large volumes of data.
- (b) Two positions in Computer Systems, where we are looking for candidates whose work is experimental and related to one or more of the following topics: operating systems, networking, distributed computing, mobile systems, programming languages and compilers, security, software engineering, and other broadly related areas.

- (c) One position for which candidates from all other areas will be considered.

The University of Illinois at Chicago (UIC) ranks among the nation's top 50 universities in federal research funding and is ranked 4th best U.S. University under 50 years old. The Computer Science department has 24 tenure-track faculty representing major areas of computer science, and offers BS, MS and PhD degrees. Our faculty includes ten NSF CAREER award recipients. We have annual research expenditures of \$8.4M, primarily federally funded. UIC is an excellent place for interdisciplinary work—with the largest medical school in the country and faculty engage in several cross-departmental collaborations with faculty from health sciences, social sciences and humanities, urban planning, and the business school. UIC has an advanced networking infrastructure in place for data-intensive scientific research that is well-connected regionally, nationally and internationally. UIC also has strong collaborations with Argonne National Laboratory and the National Center for Supercomputing Applications, with UIC faculty members able to apply for time on their high-performance supercomputing systems.

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. It's airport is the second busiest in the world. Yet the cost of living, whether in a 99th 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/>. Please include a curriculum vitae, teaching and research statements,



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and names and addresses of at least three references in the online application. Applicants needing additional information may contact the Faculty Search Chair at [search@cs.uic.edu](mailto: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  
Non-tenure Track Full Time  
Teaching Faculty*

The Computer Science Department at the University of Illinois at Chicago is seeking one or more full-time, non-tenure track teaching faculty members beginning Fall 2015. The department is committed to effective teaching, and candidates would be working alongside five full-time teaching faculty with over 75 years of combined teaching experience and 10 awards for excellence in teaching. Content areas of interest include introductory programming/data structures, theory/algorithms, artificial intelligence, computer systems, and software design. The teaching load is three undergraduate courses per semester, with a possibility of teaching at the graduate level if desired. Candidates must hold a master's degree or higher in Computer Science or a related field, and have demonstrated evidence of effective teaching.

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, 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 is the second busiest in the world, with frequent non-stop flights to most major cities. Yet the cost of living, whether in a high-rise downtown or a house on a tree-lined street in one of the nation's finest school districts, is surprisingly low.

Minimum qualifications include a Master's degree or higher in Computer Science or a related field and demonstrated evidence of effective 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 and/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 January 15, 2015. We will continue to accept and process applications until the positions are filled. UIC is an equal opportunity and affirmative action employer with a strong institutional commitment to the achievement of excellence and diversity among its faculty, staff, and student body. Women and minority applicants, veterans and persons with disabilities are encouraged to apply, as are candidates with experience with or willingness to engage in activities that contribute to diversity and inclusion.

## University of Louisiana at Lafayette

*The Center for Advanced Computer Studies  
Two Tenure-Track Positions*

The Center for Advanced Computer Studies (CACS) at the University of Louisiana at Lafayette invites applications for two tenure-track positions in Computer Science or Computer Engineering at the Assistant Professor level. We are particularly interested in applicants with expertise in computer software systems, including (but not limited to) OS, compilers, programming languages, cloud computing, big-data, and cybersecurity. A successful candidate is one who has the demonstrated ability to conduct high-quality research in one or more of the areas of interest and has the skills to excel in teaching at the undergraduate and graduate levels. The successful candidate will be expected to establish a thriving and funded research program comprising fundamental and cross-disciplinary initiatives.

The Center for Advanced Computer Study (CACS) is a unit within the School of Computing and Informatics under the College of Sciences. CACS is housed in a state-of-art facility designed to support excellence in education and research. CACS offers graduate degrees at the Masters and Ph.D. levels in Computer Science and Computer Engineering. Our undergraduate programs offer Bachelor degrees in computer science and informatics.

The proposed start date is August 2015. Applicants must have a Ph.D. in Computer Science, Computer Engineering or a closely related field. The degree must be completed before August 2015.

Applicants should send complete application packages, including curriculum vitae, short statements of research and teaching goals/vision/philosophy, and contact information of three references electronically (as



# Professional Opportunities

a single pdf file) to Professor Dmitri Perkins at ([jobs@cacs.louisiana.edu](mailto:jobs@cacs.louisiana.edu)). To ensure consideration, receipt of complete application material is required on or before February 15, 2015.

## University of Massachusetts Lowell

### Visiting Faculty - Computer Science (GUST)

UMass Lowell and Kuwait's Gulf University for Science and Technology (GUST) have formed an educational partnership through which Kuwaiti students can earn academic degrees from both UMass Lowell and GUST at the undergraduate and master's levels. These programs, overseen and

taught by UMass Lowell administrators and faculty, include sciences, engineering and business, and emphasize experiential learning, technological development and entrepreneurship.

This educational partnership will help the Middle Eastern nation diversify its economy beyond the energy sector by increasing educational opportunities and workforce development.

The Department of Computer Science at the University of Massachusetts Lowell is searching to fill one to two visiting faculty positions to teach graduate courses in our Computer Science MS degree program at UMass Lowell's instructional site in Kuwait at the Gulf University of Science

and Technology. The positions start in the spring semester of 2015. Faculty ranks are open, depending on experience, and salaries are competitive.

UMass Lowell is located about 25 miles northwest of Boston in the high-tech corridor of Massachusetts. The Department of Computer Science currently has 16 tenured and tenure-track faculty members and 2 full-time lecturers, serving 500 BS students, 140 MS students, and 94 PhD students. It also offers bioinformatics options at all levels, a robotics minor, and a PhD in computational mathematics. The Computer Science faculty has received approximately \$6M in the last two years in external research funding from the NSF, DARPA, DOD, DHE, NIH, and



## Computer Science – Department Head

The Department of Computer Science at Virginia Tech seeks applications from creative and visionary leaders for the position of Department Head. The Department Head's principal responsibility is to provide leadership and management of the department's programs, faculty, staff, and students. This entails leadership of departmental programs and administrative responsibility for planning, fiscal management, human resources, and communication within the department. The Department Head is expected to advance the research and teaching missions of this prominent department, nurture interdisciplinary collaborations, and work to achieve strategic goals in both the department and university. The successful candidate will be located at the Blacksburg, VA campus and lead a department with faculty there and in the National Capital Region campus ([www.ncr.vt.edu](http://www.ncr.vt.edu)). Faculty in NCR are located in Falls Church, VA as well as in the Virginia Tech Research Center ([www.ncr.vt.edu/arlington](http://www.ncr.vt.edu/arlington)) in Arlington, VA.

Candidates should have a Doctoral degree in Computer Science or a closely related field; demonstrated intellectual leadership and administrative skills in an academic/university environment or equivalent; a clear vision for the future of computing as a discipline; ability to communicate effectively, concisely, and clearly at all levels; dedication to the instructional mission of the university; interest in the development and expansion of sponsored research programs; an established record of professional activities and leadership in professional organizations; strong interpersonal skills; experience in enhancing the representation and success of underrepresented populations; and credentials commensurate with appointment as full professor with tenure in the department.

The Department has 37 research oriented tenure-track faculty and ~10 postdocs/research faculty. There are 12 NSF/DOE CAREER awardees in the department. Research expenditures for FY2014 were \$334 thousand per tenure-track faculty member (i.e., a total of \$12.2 million); total research funding at the beginning of FY2015 was \$42.8 million. Research strengths and several world-class centers in the department span human-computer interaction, high-performance computing, computational biology and bioinformatics, software engineering, data analytics, and computer science education. BS, MS, and PhD degrees are offered, with a growing enrollment of over 610 undergraduate majors (14% women) and over 225 PhD/MS students. In 2010, CS@VT was ranked 5th in the country in recruiting quality of CS undergrads by the *Wall Street Journal*. The Department is in the College of Engineering, the premier engineering school in the Commonwealth of Virginia, whose undergraduate program was ranked 8th and graduate program was ranked 12th among public engineering schools in 2014 by *U.S. News & World Report*.

Applications should include a curriculum vitae, a cover letter, a vision statement, a statement of leadership style and experience, and contact information for at least five individuals providing references. References will only be contacted for those candidates who are selected for the short list/phone interviews. Applications must be submitted online to <http://jobs.vt.edu> for posting **TR0140155**. Inquiries should be directed to Dr. Dennis Kafura, Search Committee Chair ([kafura@cs.vt.edu](mailto:kafura@cs.vt.edu), 540.231.5568).

Applicant screening will begin on February 1, 2015 and continue until the position is filled. Early applications are encouraged. We welcome applications from women or minorities. Salary for suitably qualified applicants is competitive and commensurate with experience. Selected candidates must pass a criminal background check prior to employment.

**About Blacksburg:** Blacksburg is consistently ranked among the country's best places to live and raise a family (<http://www.liveinblacksburg.com/>). Educational and economic information, crime rates, amenities, air quality, and diversity are typical factors considered in the nationwide ranking. Blacksburg is a high-tech hub located in a scenic and vibrant community in the New River Valley between Alleghany and Blue Ridge Mountains. The town is proximal to state parks, trails, and other regional attractions of Southwest Virginia, renowned for their history and natural beauty. Virginia Tech has been recognized as a Tree Campus USA from the Arbor Day Foundation for its dedication to campus forestry management and environmental stewardship.

*Virginia Tech is an AA/EEO employer; applications from members of underrepresented groups are especially encouraged.*

# Professional Opportunities

corporations. The department has 5 NSF CAREER Award recipients. More information about the department can be found at [www.cs.uml.edu](http://www.cs.uml.edu).

**Minimum Qualifications:** Applicants must hold a PhD in computer science or a closely related discipline and must have substantial experience in teaching core courses in computer science at the graduate level (Must have PhD at the time of application).

**For the full position description, qualifications, and to submit an application, visit <https://jobs.uml.edu>. Please submit a cover letter, curriculum vitae, teaching philosophy, teaching evaluations, and three letters of**

**reference including contact information. Review of applications will begin immediately and will continue until the position is filled. However, the position may close when an adequate number of qualified applications is received.**

*The University of Massachusetts Lowell is an Equal Opportunity/Affirmative Action, Title IX 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.*

## University of Pittsburgh

Department of Computer Science  
 NTS Lecturer Position

The Department of Computer Science at the University of Pittsburgh is conducting a search for a non-tenure track lecturer position effective September 2015, pending budgetary approval. All applications from experienced instructors with educational accomplishments and intellectual leadership are encouraged. Ideal candidates must have a PhD in Computer Science or similar field and should demonstrate excellence in instruction and educational curiosity. Lecturers teach three courses per 15-week semester, class sizes are typically 50 or



## Faculty Positions Available in the Department of Computer Science

The Department of Computer Science at Virginia Tech ([www.cs.vt.edu](http://www.cs.vt.edu)) seeks applicants for up to six tenure-track faculty positions in three areas: artificial intelligence/machine learning, software engineering and data analytics/cyber security. Candidates should have a Ph.D. in Computer Science or related field at the time of appointment, a rank-appropriate record of scholarship and collaboration in computing and interdisciplinary areas, sensitivity to issues of diversity in the campus community and will be required to teach at the undergraduate and/or graduate levels. Selected candidates are expected to travel occasionally to attend professional conferences and meetings.

The two tenured positions seek candidates who can present evidence of high-impact research and publications in top-tier conferences and journals, a strong record of garnering external funding for research and leading a strong research group, and national and/or international visibility through leadership and service in the research community.

### Tenure-track Assistant Professor in Artificial Intelligence – Blacksburg, VA

Candidates with expertise in artificial intelligence, including but not limited to natural language processing, speech, computer vision and pattern recognition, perception, knowledge representation, humans and AI, game theory, reinforcement learning, machine learning, reasoning under uncertainty or graphical representation of data including immersive (VR and/or AR) environments and/or gaming are encouraged to apply to this multiple position search. Candidates should have the skills to establish and grow a successful, multidisciplinary research group. Applications must be submitted online to <http://jobs.vt.edu> for posting #TR0140110. Applicant screening will begin on December 15, 2014 and continue until each position is filled. Inquiries should be directed to Dr. Cliff Shaffer, Search Committee Chair, [shaffer@cs.vt.edu](mailto:shaffer@cs.vt.edu).

### Tenure-track Assistant Professor in Cyber Security – Blacksburg, VA

Candidates with expertise in cyber security, including technologies for and applications in information security, network security, and trustworthy computing are encouraged to apply. We are especially interested in candidates focusing on security issues of cyber-physical systems, embedded systems, sensor networks, robotics, Internet of Things (IoT), etc., to join a coordinated team of five interdisciplinary faculty in Advanced Manufacturing and share common space and equipment, leveraging established labs and the Commonwealth Center for Advanced Manufacturing (<http://www.ccam-va.com/>), a public-private partnership in Virginia. There is an active group of cyber security faculty in CS and ECE collaborating in cyber security research as well as graduate and undergraduate education (see: <http://www.cyber.vt.edu/>). Applications must be submitted online to <http://jobs.vt.edu> for posting #TR0140153. Applicant screening will begin on December 31, 2014 and continue until the position is filled. Inquiries should be directed to Dr. Naren Ramakrishnan, Search Committee Chair, [naren@cs.vt.edu](mailto:naren@cs.vt.edu).

### Assistant/Associate/Full Professor in Software Engineering – Blacksburg, VA

Candidates with research breadth and depth across several areas of software engineering, including but not limited to program analysis, mobile applications, web-based software, software quality, scripting languages, middleware, and parallel computing are encouraged to apply to this multiple position search. Applications must be submitted online to <http://jobs.vt.edu> for posting #TR0140109. Applicant screening will begin on December 31, 2014 and continue until the positions are filled. Inquiries should be directed to Dr. Eli Tilevich, Search Committee Chair, [tilevich@cs.vt.edu](mailto:tilevich@cs.vt.edu).

### Associate/Full Professor in Data Analytics/Cyber Security – National Capital Region (NCR)

Candidates with research depth and breadth in data analytics, data mining, "big data", data science, or cyber security, including technologies for and applications in information security, network security, and trustworthy computing are encouraged to apply. Candidates working at the intersection of data analytics and cyber security are especially encouraged. Candidates should present a proven ability to initiate and sustain collaborations within computing as well as with application specialists. The Department of Computer Science is home to the Discovery Analytics Center (<http://dac.cs.vt.edu>) that leads "big data" research on campus. Computer science faculty also participate in university-wide efforts at cyber security education and research (see: <http://www.cyber.vt.edu/>).

The successful candidate will contribute to the research and graduate programs in NCR and collaborate with faculty at Virginia Tech's campus in Blacksburg, VA. The NCR campus ([www.ncr.vt.edu](http://www.ncr.vt.edu)) is located near the Washington D.C./Falls Church area and houses the Virginia Tech Research Center ([www.ncr.vt.edu/arlington](http://www.ncr.vt.edu/arlington)) in Arlington, VA. Applications must be submitted online to <http://jobs.vt.edu> for posting #TR0140107. Applicant screening will begin on December 15, 2014 and continue until the position is filled. Inquiries should be directed to Dr. Naren Ramakrishnan, Search Committee Chair, [naren@cs.vt.edu](mailto:naren@cs.vt.edu).

The Department of Computer Science has 37 research oriented tenure-track faculty and ~10 postdocs/research faculty. There are a total 12 NSF/DOE CAREER awardees in the department. Research expenditures for FY2014 were \$334 thousand per tenure-track faculty member (i.e., a total of \$12.2 million); total research funding at the beginning of FY2015 was \$42.8 million. BS, MS, and PhD degrees are offered, with a growing enrollment of over 610 undergraduate majors (14% women) and over 225 PhD/MS students. In 2010, CS@VT was ranked 5th in the country in recruiting quality of CS undergrads by the *Wall Street Journal*. The department is in the College of Engineering, whose undergraduate program was ranked 8th and graduate program was ranked 12th among public engineering schools in 2014 by *U.S. News & World Report*.

Early applications are encouraged. We welcome applications from women or minorities. Salary for suitably qualified applicants is competitive and commensurate with experience. Selected candidates must pass a criminal background check prior to employment.

*Virginia Tech is an AA/EEO employer; applications from members of underrepresented groups are especially encouraged.*

# Professional Opportunities

fewer students, and TA support is available typically for grading. Additional qualifications include experience advising undergraduate students, designing and managing curricula, enhancing diversity, and promoting extra-curricular activities.

Candidates should apply on-line at <https://cs.pitt.edu/recruitnts>.

Review of applications will begin January 15, 2015 and continue until a suitable candidate for the position is found. The University of Pittsburgh is an Affirmative Action Equal Opportunity Employer. Women and members of minority groups under-represented in academia are especially encouraged to apply.

The University of Pittsburgh is among the nation's oldest and most distinguished research universities. Computer Science resides within the Dietrich School of Arts and Sciences where 30 departments offer a wide variety of high-quality academic programs. For more information on living in Pittsburgh, visit [www.coolpgh.pitt.edu](http://www.coolpgh.pitt.edu).

## The University of Virginia

*Center for Automata Processing*

*Postdoctoral Research Associate*

The newly-formed Center for Automata Processing (CAP, [www.cap.virginia.edu](http://www.cap.virginia.edu)) at the University of Virginia has the exciting opportunity to explore the capabilities of Micron's recently announced Automata Processor (AP), and help build the Center. We are searching for a Postdoctoral Research Associate to help lead the CAP's investigation of the AP's capabilities.

For a complete job description and application information, please go to <https://jobs.virginia.edu> and search by Posting Number 0615652.

## Wright State University

*Department of Computer Science  
and Engineering*

*Faculty Position*

The Department of Computer Science and Engineering (CSE) at Wright State University (WSU) seeks applicants for a tenure-track Assistant Professor. Successful candidates are expected to have an earned Ph.D. in

computer science, computer engineering or a closely related field anticipated by the start date, with outstanding academic credentials, and demonstrable potential to develop a vibrant funded research program that engages graduate students and produces peer reviewed publications. In addition, candidates must possess excellent communication skills

## Worcester Polytechnic Institute

### Computer Science Faculty

Looking for faculty colleagues who engage deeply in both teaching and research within a curriculum that embraces student projects and independent learning? Consider joining the faculty at WPI.

The Computer Science Department is actively seeking applicants for a full-time, non-tenure-track positions for the Fall of 2015. Depending on background, the appointment may be as a Teaching Professor or Instructor. Applicants with professional experience are encouraged to apply and may be appointed as a Professor of Practice. All appointments may be for multiple years and are renewable.

The department is interested in applicants with teaching and project advising expertise in all areas of Computer Science, but is particularly interested in applicants with experience in Software Engineering&Design, Cybersecurity and Data Science.

The successful candidate will teach and advise projects at the undergraduate and graduate levels as well as be a contributing member of a collegial department with nearly 30 full-time faculty members.

Junior-year projects involving the interaction of society and technology, Senior-year projects in the major, graduate students and a number of computing-related degree programs such as Data Science make the WPI Computer Science Department a rewarding environment for candidates interested in teaching and project advising.

Candidates should have an advanced degree in Computer Science or a closely related field, and the potential for excellence in teaching and project advising.

Founded in 1865, WPI is one of the nation's first technological universities. A highly selective private university located within an hour of Boston, WPI is consistently ranked among the top 60 research institutions by US News & World Report. The university is home to an innovative and intensive project-based curriculum that empowers students with the knowledge and skills to address real world problems around the globe, an approach repeatedly cited for excellence by The Fiske Guide to Colleges and The Princeton Review.

Located in the heart of New England, WPI is surrounded by cultural and recreational opportunities. The UMass Medical Center, a large number of technology companies and many colleges and universities are located in the immediate area making it ideal for two-career families.

Questions about the hiring process should be sent to [recruit@cs.wpi.edu](mailto:recruit@cs.wpi.edu).

More information about the positions and instructions for applying are available at <http://apptkr.com/567731>. You will need to include teaching statements, vitae and contact information for at least three references.

Review of applications will begin effective immediately and continue until the positions are filled.

To enrich education through diversity, WPI is an affirmative action, equal opportunity employer.



**WPI**

# Professional Opportunities

and a commitment to engage in both undergraduate and graduate education.

The department seeks faculty specializing in Big Data research. Particular topics of interest include, but are not limited to, data management, integration, analytics, visualization, semantics and ontologies, Internet of Things, social and sensor Web, biomedical and health informatics. Outstanding applicants with potential for collaborations with existing strengths of the department and Kno.e.sis, the Ohio Center of Excellence in Knowledge-enabled Computing (<http://knoesis.wright.edu>), are particularly welcome to apply. Exceptional applicants specializing in other emerging research areas may also apply.

The Department has 23 tenured/tenure track faculty members, more than 600 undergraduate, 150 M.S. and ~60 Ph.D. students and offers B.S., M.S. and Ph.D. degrees both in Computer Science and Computer Engineering, and an M.S. in Cyber Security. Information about the Department can be found at: <http://www.cs.wright.edu/cse/>. The Department is located in the Russ Engineering Center and Joshi Research Center, which includes the Kno.e.sis Center and the Appenzeller Visualization Laboratory. The college houses 4 out of 7 of WSU's Ohio Centers of Excellence (<http://webapp2.wright.edu/web/coe/>). WSU, an institution of nearly 19,000 students, is located on a spacious campus within a growing suburban community. It is surrounded by industry leaders including LexisNexis, Reynolds & Reynolds, CSC, Ball Aerospace, Northrop Grumman, Teradata, and SAIC. WSU is also located adjacent to the Wright-Patterson Air Force Base, which houses the headquarters of the Air Force Research Laboratory. The university is committed to industrial and government partnerships for research and economic development ventures and has a strong institutional commitment to underrepresented groups,

## Worcester Polytechnic Institute

### Teaching Professor, Professor of Practice or Instructor, Computer Science

The Data Science program is actively seeking applicants for a full-time non-tenure track position for Fall 2015 to strengthen our fast-growing interdisciplinary Data Science program. Depending on qualifications and experience, the appointment may be as a Teaching Professor, Professor of Practice or Instructor.

All appointments may be for multiple years and subsequently are renewable.

WPI is interested in applicants with teaching and project advising expertise in all areas of Data Science, but is particularly interested in applicants with industrial experience and with a strong interest in guiding students through Graduate Qualifying Data Science project work. These projects are a unique feature of our Data Science graduate program providing all of our students with an authentic sponsored project experience.

Extensive industrial experience would be a plus so to expose students to real-world big data problems and case studies and to be versed in the best practices in industry and other organizations.

The Data Science program at WPI, a collaboration between Computer Science, Mathematical Sciences and the Robert A. Foisie School of Business, has undergone major growth since its inception in 2014 supported by a cluster hire of several faculty in Data Science and closely related disciplines last year. The new faculty would join a strong team of Data Science faculty working on interdisciplinary research and project work related to big data in grand challenge problems. We aim to strengthen our expertise in areas in Data Science already present at WPI, including statistical machine learning, large-scale data management and computing, data mining and machine learning, business intelligence, big data analytics, as well as broaden our collective expertise into new areas including text analytics, web mining, image analysis, and others.

Outstanding candidates in any area related to Data Science will receive full consideration. Candidates should have an advanced degree in Computer Science, Mathematical Sciences, Statistics, or a closely related field, the potential for excellence in teaching, and practical experience in a Data Science related field.

Founded in 1865, WPI is one of the nation's first technological universities. A highly selective private university located within an hour of Boston, WPI is consistently ranked among the top 70 research institutions by US News & World Report. The university is home to an innovative and intensive project-based curriculum that empowers students with the knowledge and skills to address real world problems around the globe, an approach repeatedly cited for excellence by The Fiske Guide to Colleges and The Princeton Review.

Located in the heart of New England, WPI is surrounded by cultural and recreational opportunities. The UMass Medical Center, a large number of technology companies and many colleges and universities are located in the immediate area making it ideal for two-career families.

Questions about the hiring process should be sent to [datascience@wpi.edu](mailto:datascience@wpi.edu).

Applications should be submitted per instructions at <http://apptkr.com/558562>

Candidates should include statements on teaching experience, project interest and experiences, vitae, and contact information for at least three references.

Review of applications will begin effective immediately, and continue until the position is filled

To enrich education through diversity,  
WPI is an affirmative action, equal opportunity employer.



**WPI**

women, persons with disabilities, and veterans. Applicants should provide a brief statement of their research, teaching interests, and professional goals. The application should include a cover letter and a complete vita with the names, addresses, telephone numbers and e-mail

addresses of at least four references. Applications and supporting information can be completed on-line at: <https://jobs.wright.edu/postings/8219>.

Consideration of candidates begins November 7, 2014 and continues until the

# Professional Opportunities

positions are closed or filled. Salaries and resources are competitive. For details, you may contact Prof. Mateen Rizki, Chair, at [mateen.rizki@wright.edu](mailto:mateen.rizki@wright.edu), or Prof. T.K. Prasad at [t.k.prasad@wright.edu](mailto:t.k.prasad@wright.edu).

Wright State University, an equal opportunity/affirmative action employer, is committed to an inclusive environment and strongly encourages applications from minorities, females, veterans and individuals with disabilities.

## York University

*Alternate-Stream Tenure-Track Position*

### The Department of Electrical Engineering and Computer Science

(EECS) York University is seeking an outstanding candidate for an alternate-

stream tenure-track position at the Assistant or Associate Lecturer level to teach relevant core areas of engineering and play a leading role in developing and assessing curriculum as a Graduate Attributes Coordinator. While outstanding candidates in all areas of EECS will be considered, we are especially interested in those with strong abilities to develop and teach courses in systems areas to complement the Department's existing strengths. Systems areas include, but are not limited to: computer architecture, operating systems, embedded systems and allied areas. Priority will be given to candidates licensed as Professional Engineers in Canada.

Complete applications must be received by 15 March 2015. Full job description and

application details are available at: <http://lassonde.yorku.ca/new-faculty/>.

York University is an Affirmative Action (AA) employer and strongly values diversity, including gender and sexual diversity, within its community. The AA Program, which applies to Aboriginal people, visible minorities, people with disabilities, and women, can be found at [www.yorku.ca/acadjobs](http://www.yorku.ca/acadjobs) or by calling the AA office at 416-736-5713. All qualified candidates are encouraged to apply; however, Canadian citizens and Permanent Residents will be given priority.