Computing Research News

COMPUTING RESEARCH ASSOCIATION, CELEBRATING 40 YEARS OF SERVICE TO THE COMPUTING RESEARCH COMMUNITY

NOVEMBER 2013

Vol. 25 / No. 10

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Announcements/Events

Postdoc Best Practices

Proposals due November 15

www.PostdocBP.org

CCC Calls for Visioning Proposals

cccrfp@cra.org

Deadline: December 1

Nominations Open for CRA Service and Habermann Awards

The Computing Research Association invites nominations for the CRA Distinguished Service Award and the A. Nico Habermann Award for 2014.

Distinguished Service Award

CRA makes an award, usually annually, to a person who has made an outstanding service contribution to the computing research community. This award recognizes service in the areas of government affairs, professional societies, publications or conferences, and leadership that has a major impact on computing research. See "Guidelines for Nominators".

A. Nico Habermann Award

CRA makes an award, usually annually, to a person who has made outstanding contributions aimed at increasing the numbers and/or successes of underrepresented groups in the computing research community. This award recognizes work in areas of government affairs, educational programs, professional societies, public awareness, and leadership that has a major impact on advancing these groups in the computing research community. Recognized contributions can be focused directly at the research level or at its immediate precursors, namely students at the undergraduate or graduate levels. See "Guidelines for Nominators". Click here for a list of previous recipients of these two awards.

Nomination Process

Send a nomination letter (no longer than two pages) that describes the contributions on which the nomination is based to awards [at] cra.org. Refer to the appropriate "Guidelines for Nominators" for the award. Include the candidate's current curriculum vitae. Questions or comments may be addressed to awards [at] cra.org.

Nominators are responsible for collating the nomination materials before e-mailing the complete package to: awards [at] cra.org. **The deadline for receipt of nominations is December 13, 2013.**

Current members of the CRA Board of Directors are not eligible for these awards.

Ph.D. Computer Scientist is a Can't Miss Science Career

From the CCC Blog

Recently, *ScienceCareers* named "Three Can't Miss Science Careers," and Ph.D. computer scientist was on the list along with geoscientist, and physician scientist.

According to the article, *"Despite frequently made claims in the national news media, and from university and industry officials, the job market for science, technology, engineering, and mathematics professionals as a whole is not booming. A decade of flat funding by federal agencies, declines in in-house research programs in industry, and an academic research culture that relies upon an ever-increasing number of trainees to execute research have flooded the market with highly trained scientists competing for few permanent positions that would utilize their skills.*

There are, however, a few bright spots among the gloom, fields in which a degree virtually guarantees solid career prospects. ScienceCareers identified three such fields and explored recent hiring and salary trends."

The articled pointed to CRA's Taulbee survey, which revealed an unemployment rate of 0.4% for recent computer science Ph.D.s. The article also acknowledged that there has been a steady rise in the ratio of postdocs to faculty hires, a worrisome trend.

"As pointed out in a February article in Communications of the ACM [Association for Computing Machinery], in 2003, more than twice as many recent Ph.D.s took tenure-track faculty positions as took postdocs. In 2012 that ratio was reversed."

CRA and CCC have taken steps to address the community issue. In December 2012, CRA's Board of Directors approved a Best Practices Guide, providing guidance to graduate students, postdocs, advisors and mentors, and departments and institutions on how to have a positive postdoctoral experience within computer science and engineering.

With NSF's backing, the CCC has announced its Postdoc Best Practices program to develop, implement and institutionalize the implementation of best practices for supporting postdocs. This program will award grants to institutions or consortia of institutions to implement best practices for strengthening the postdoc experience in computer science and computing-related fields. These supporting programs will enable PhD graduates to transition effectively to research roles in a variety of sectors.

Previously, NSF and CCC created the Computing Innovation Fellows program to fund postdocs for the duration of the economic crisis in order to assure that graduating PhDs could remain in the computing research enterprise at a time when many fewer research positions were available. This new grant program is another effort to advance postdocs and their contributions to the research enterprise.

The Full Request for Proposals can be found here. **Proposals can be submitted here through Friday, November, 15, 2013.**

Expanding the Pipeline: CODE.ORG Pursues Action on Getting Computer Science into Schools

By Hadi Partovi, Founder, Code.org

Startup non-profit Code.org is working to make inroads into one of the most gaping holes in education. Out of all students taking advanced math and science courses at the K-12 level, only two percent are studying computer science, despite the fact that over half of all STEM jobs are in computing. Code.org founders, tech entrepreneurs Ali and Hadi Partovi, saw something wrong with this picture. The organization's first project, a short film on the importance of learning computer programming, went viral. Now, Code.org is advancing with long-term policy and education initiatives to bring computer science to all K-12 schools – and a campaign this December to get 10 million students to try it out.

In February, we began with a film and a message: every student, in every school, should have the opportunity to learn computer science. The film, "What Most Schools Don't Teach," featuring leaders from all walks of life – from Bill Gates and Mark Zuckerberg to Chris Bosh of the Miami Heat and will.i.am of the Black Eyed Peas – encouraged more students to learn computer programming, starting with the basics.

Many organizations helped us promote the film, including the College Board, the American Federation of Teachers, the National Science Teachers Association, the National Council of Teachers of Mathematics, DonorsChoose.org, the Computer Science Teachers Association, and the Association for Computing Machinery (ACM). If you missed "What Most Schools Don't Teach," see it at http://code.org.

Views on our film quickly passed 13 million, and we were able to take computer science education into the spotlight of NBC's Today Show. Over 800,000 visitors to our website have signed a petition supporting the idea that every school should teach computer science. Since then, more than 13,000 educators have asked for our help to bring computer science to their schools, and more than 25,000 engineers have volunteered to teach computer programming in their communities.

At a time when computer programming jobs outnumber computer science graduates three-to-one – a difference that adds up to a million unfilled jobs by 2020 – we've been encouraged by the response to our work thus far.

Getting computer science into schools: education, advocacy, evangelism

Now we need to turn consumer awareness into a broad effort to give every student in America access to K-12 computer science education. We are working to establish a public/private partnership with the National Science Foundation (NSF) that builds upon years of foundational efforts by the computing community and NSF to scale up K-12 computer science education.

The first step of this effort was partnering with ACM and merging

We are working to reach more students with culturally-relevant curriculum aims to that attracts more diverse students to CS, and turn around the fact that both female students, and students of color, are greatly underrepresented in the field.

Our goal is for 10 million students – and adults – to try computer science for one hour during this year's Computer Science Education Week (Dec. 9-15).

with advocacy coalition Computing in the Core and education non-profit Technically Learning.

Our effort going forward has three areas of focus: education, led by experienced CS educator Pat Yongpradit; advocacy, led by ACM Director of Public Policy Cameron Wilson; and evangelism, led by longtime game industry executive, and recent senior executive at PopCap, James Gwertzman.

Code.org is now rolling out an agenda to bring introductory computer science courses into 100 U.S. high schools and 1,000 K-8 schools by next fall.

For elementary and middle schools, we are developing an open source curriculum for students and teachers based on Blockly, a visual, drag-and-drop language. A blend of online, self-guided activities and innovative "unplugged" curriculum activities for whole classrooms will be offered.

For high schools, we have partnered with the NSF-funded group Exploring Computer Science to offer a well-tested course by the same name. The inquiry-based, culturally-relevant curriculum aims to attract more diverse students to CS and turn around the fact that both female students and students of color, are greatly underrepresented in the field, starting at the K-12 level.

Code.org is also partnering with the College Board and veteran CS educators to create curriculum for a new Advanced Placement (AP) course called AP Computer Science Principles (CS P). This class will meet the rigor of an AP, but should have a broader appeal than the current, programming-centric AP Computer Science A (AP CS A). AP CS P will feature material that goes beyond programming – focusing on the big picture of how computer science impacts our world – to be more accessible and valuable for students interested in *all* career paths. The AP CS P test will debut in 2016-17.

After proving performance in 100 U.S. high schools, we hope to expand this curriculum into more districts – especially in urban and rural areas – by the following year.

Computing in the Core, which the Computing Research Association has been a member of from its founding, continues its advocacy work at both the federal and state levels to remove regulatory blocks that are keeping computer science out of the "core" grade K-12 curriculum. At the federal level, we've endorsed a bipartisan solution to help remove barriers for K-12 computer science education called the Computer Science Education Act (HR 2536/S 1407). In a divisive time in politics, it is heartening to see legislators coming together on the need to strengthen K-12 computer science education.

At the state level, our headline goal is to change graduation requirements to allow quality CS courses to satisfy existing core math and science requirements for graduation. Only 13 states and the District of Columbia allow students to count rigorous computer science courses toward a math or science graduation requirement. Adopting this policy can make way for even wider access. For example, the NCAA recently made a change to its eligibility requirements for incoming student athletes. If a computer science course contains significant programming elements and counts toward a mathematics and/or science credit in a school district, it will automatically meet NCAA student-athlete entrance requirements. This positive change updates the NCAA's previous policy in which CS courses did not count toward these requirements.

This "make CS count" campaign can extend to four-year institutions, as well. Faculty can reach out to their admissions offices to encourage them to allow computer science courses to count toward admission requirements for incoming students. As more and more school districts begin treating rigorous computer science as a math or science course, the lift of shifting admission requirements should become easier.

Changing the conversation around computer science among students

This year, as part of the annual Computer Science Education Week (December 9-15), we are organizing our most ambitious campaign yet: the "Hour of Code." Our goal is for 10 million students – and adults – to try computer science for one hour. It's a project that seeks to draw attention to the need for CS education and to bolster our long-term education and advocacy efforts. We expect a significant percentage of students who try the "Hour of Code" to go on and complete a more thorough 20-hour online tutorial, and ultimately graduate to a more formal study of computer science.

The "Hour of Code" is a self-guided activity. Multiple hour-long tutorials will be available at http://csedweek.org from a variety of third parties such as Codecademy.org and Scratch. We are also creating our own tutorial using artwork from popular games and featuring video lectures from Bill Gates and Mark Zuckerberg. The tutorials aim to demystify computer science, to prove that the basics are approachable, and inspire more K-12 students to take interest in computer programming.

We're grateful for the generosity of partners like Microsoft, Google, Apple, Amazon, the Boys & Girls Clubs of America, and hundreds of others who are helping Code.org organize, promote, and sponsor this campaign.

For example, every educator who registers their class to participate in the Hour of Code will receive 10GB of free DropBox storage. And Code.org is donating a full class-set of laptops to one school in every U.S. state that hosts an Hour of Code for all grades and registers before November 15. More rewards will be announced as Computer Science Education Week nears.

Too many students are intimidated by computer programming. With the Hour of Code, the computing community has a unique opportunity to dramatically expand awareness of and interest in computer science in the 90 percent of U.S. schools that don't offer it today. This matters because we believe computer science is a foundational literacy for all career paths in the 21st century.

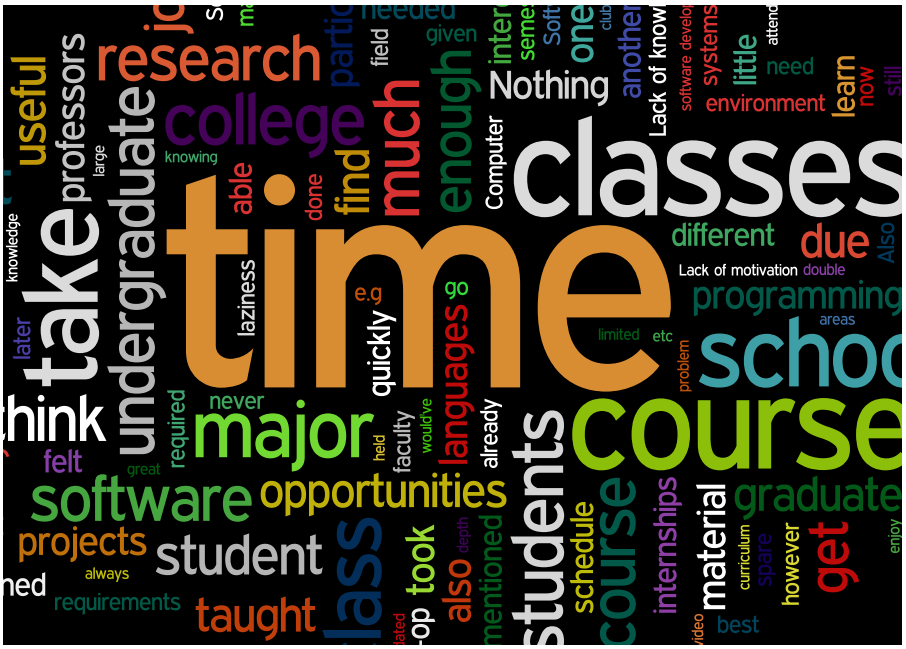
Please join us and host an Hour of Code in your community. This is our chance to make CS history. To learn more visit http://csedweek.org. There, you can download participation kits, watch a "how to" video, and sign up to register – and then ask friends and colleagues to do the same.

Center for Evaluating the Research Pipeline

By CRA Staff

College graduates talk about why they weren't involved in more activities while earning their B.S. in computing

We asked 161 college graduates who had earned a B.S. in computing to think about activities they wished they had participated in during their undergraduate career, but had not. Then, we asked "what prevented you from participating in those activities?" As seen from the graphic above, the most prominent hindrance to participating in activities was Time. This finding highlights the time-constraining nature of the undergraduate experience, particularly among computing students.



Center for Evaluating the Research Pipeline

This analysis is brought to you by the CRA's Center for Evaluating the Research Pipeline (CERP). Want CERP to do comparative evaluation for your program or intervention? Contact cerp@cra.org to learn more. Be sure to also visit our website at http://cra.org/cerp/.

CRA-Education Launches New Website

The Education Committee of the Computing Research Association (CRA-E) has launched its website: www.cra.org/crae. The mission of the Education Committee of the Computing Research Association (CRA-E) is to address society's need for a continuous supply of talented and well-educated computing researchers by providing resources to inform, assist, and guide the computing community.

Resources on the site include:

- White papers on trends, best practices, and recommendations for leaders in academic, research, and funding agencies.
- Resources for students and faculty to encourage and enhance undergraduate research and to increase participation of underrepresented groups.
- Materials and meetings that allow computing faculty, practitioners, and students to contribute to a strong research pipeline.

There are a number of other organizations engaged in activities related to those of CRA-E including NCWIT, CRA-W, CCC, and others. CRA-E works closely with these organizations to advance our common goals.

www.cra.org/crae

Nominees Sought for CRA Board

The deadline for receipt of nominations is December 6, 2013.

Computing Researchers Take to the Hill: CRA Hosts Successful Fall Congressional Fly-In Event

On September 18, more than 30 researchers from across the country flew to Washington, DC to meet with members of their state's congressional delegations, talk about work going on in their institutions, and help make the case for the federal investment in research.

2014 Microsoft Research Awards from the Software Engineering Innovation Foundation

By Rane Johnson-Stempson, Microsoft Research Connections

Microsoft Research Connections Computer Science—in conjunction with the Research in Software Engineering Group, the Sensing and Energy Research Group, and Global Foundation Services—is pleased to invite applications for Microsoft Research Awards from the Software Engineering Innovation Foundation for 2014 (SEIF 2014). SEIF 2014 follows four successful years of SEIF Awards involving 32 successful principal investigators.

Application deadline:
January 31, 2013 (11.30 P.M. Pacific Time)

We are therefore pleased to invite researchers from software engineering and relevant disciplines to apply for research awards in software engineering—especially where it is applicable to the Internet of Things. We encourage proposals that utilize Microsoft mobile (Windows Phone) and cloud (Windows Azure) platforms, as well as other Microsoft technologies and Microsoft Research's free tools and technologies. Some relevant and newly released technologies and tools are listed below. A practical application or evaluation component is strongly encouraged. For more information and to apply: http://research.microsoft.com/en-us/collaboration/focus/cs/seif-rfp.aspx.

Microsoft Research Connections

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Professional Opportunities

Amherst College

Computer Science Department

Assistant Professor Position

The department invites applications for a tenure-track faculty position beginning July 1, 2014. The position is in distributed systems, broadly defined, for example in networks, cluster or cloud computing, parallel programming, or computation with massive datasets. Candidates must hold a Ph.D. in computer science or have fulfilled all requirements for the degree by the start of the appointment.

Amherst College, located in western Massachusetts, offers undergraduate degree programs in the liberal arts tradition. We seek a colleague who is committed to excellence in undergraduate education as well as computer science research.

Amherst College is an equal opportunity employer and encourages women, persons of color, and persons with disabilities to apply.

For more information visit www.amherst.edu/academiclife/dean_faculty/employment or send an inquiry to Catherine McGeoch, department chair, at ccm@cs.amherst.edu.

Auburn University

Department of Computer Science and Software Engineering

Associate Professor/Professor and Director of Auburn Cyber Research Center

The Department of Computer Science and Software Engineering (CSSE) invites applications for a tenured/tenure-track faculty position at the Associate Professor or Professor level to begin in Spring 2014. The successful candidate will also serve as the Director of the Auburn Cyber Research Center. We encourage candidates from all areas of cyber security to apply. We are especially interested in candidates specializing in penetration prevention, forensics analysis and evaluations, and security modeling and simulation. Ability to obtain security clearance is desirable. Excellent communication and leadership skills are required.

Applicants should apply by submitting a cover letter, current curriculum vita, research vision, teaching philosophy, and three references to: http://aufacultypositions.peopleadmin.com/postings/213

The applicant review process will begin October 1, 2013 and will continue until the position is filled. The candidate selected for this position must be able to meet eligibility requirements to work in the United States at the time appointment is scheduled to begin and continue working legally for the proposed term of employment. Detailed announcement of this position can be found at: http://www.eng.auburn.edu/csse/.

Auburn University is an Affirmative Action/Equal Opportunity Employer.

Women and minorities are encouraged to apply.

Boston College

Computer Science

Tenure Track Assistant Professorship

The Computer Science Department of Boston College invites applications for a tenure-track Assistant Professorship beginning September, 2014. Applications from all areas of Computer Science will be considered. Applicants should have a Ph.D. in Computer Science or related discipline, a strong research record, and a commitment to undergraduate teaching.

We will begin reviewing applications on December 1, 2013, and will continue considering applications until the position is filled. Additional information about the department and the position is available at www.cs.bc.edu.

Submit applications online at apply.interfolio.com/22805.

Boston University

Department of Computer Science

Assistant Professor (tenure-track)

Applications are invited for a tenure-track assistant professorship beginning Fall 2014 (pending budgetary approval). Qualifications required of all applicants include a Ph.D. in Computer Science or

Arizona State University
Faculty Positions

The Fulton Schools of Engineering at Arizona State University (ASU) seek outstanding applicants for tenure track/tenured faculty positions in the areas listed below with application to one or more of Health, Education, Energy, Security and Sustainability. Active searches are being conducted in the following areas but the excellence of the candidate's accomplishments and potential are more important than the specific area:

- **Big Data (Job #10518)** – Areas of interest include: management, analytics, mining or visualization of massive data sets.
- **Cyber Security (Job #10519)** – Areas of interest include: resilience, secure system architecture, next generation security and privacy approaches for large networks, service-based and cloud computing systems, cyber physical systems, mobile computing and platforms, and social networks.
- **Next Generation Computing (Job #10523)** – Areas of interest include: emerging nanoscale hardware approaches, post-CMOS device technologies, transparent interoperability and embedded computation.
- **Software Engineering (Job #10524)** – Areas of interest include: development of complex software systems.
- **Human Centered Computing (Job #10555)** – Areas of interest include: design, development and application of human-centered technologies using computational and multimodal approaches for enhancing life.
- **Emerging Computational Technologies for Learning (Job #10556)** – Areas of interest include: computer-supported collaborative learning, personalized and adaptive learning, MOOCs, learning analytics, augmented reality, and tangible, embodied and/or mobile learning. We also welcome candidates with expertise in digital games, narratives, affective computing, and health behavior change.

Appointments will be made at the rank commensurate with experience and accomplishments starting August 2014. A successful candidate will hold an earned Ph.D. or equivalent in a relevant field and have demonstrated evidence of excellence in research and teaching as appropriate to rank including publication in top-tier journals with societal impact, success in acquiring external funding and a commitment to transdisciplinary collaboration.

Current information regarding these positions and instructions for applying are available at http://engineering.asu.edu/hiring/. Review of applications for each search will begin **November 1, 2013**; if not filled, reviews will occur the 1st and 15th of every month thereafter until the search is closed.

Arizona State University is an equal opportunity/affirmative action employer. Women and minorities are encouraged to apply. See ASU's full non-discrimination statement at https://www.asu.edu/titleIX/.

Professional Opportunities

related discipline, a strong research record, and a commitment to teaching at the undergraduate and graduate levels. All research areas of Computer Science will be considered. Particular attention will be given to candidates pursuing research in algorithms, systems (including systems security and architecture), data-centric computing, and interactive computing.

The Department comprises 19 faculty members, and offers programs leading to B.A., M.S., and Ph.D. degrees. The Department has research strengths in data mining, databases, image and video computing, networking, operating systems, programming languages and formal methods, real-time systems, security and cryptography, and theory of computation and algorithms. In addition, members of the Department have close collaborative relationships with faculty in mathematics and statistics, computer engineering, and biology, among others.

Review of applications will begin January 1, 2014, and continue on a rolling basis. Additional information on the Department is available from http://www.cs.bu.edu. Qualified applicants should apply at https://academicjobsonline.org/ajo/jobs/3071. Boston University is an Equal Opportunity/Affirmative Action employer.

The Broad Institute

Medical & Population Genetics

Computational Biologist, #1107

A lively team and wider community of computational biologists, medical geneticists, and software engineers dedicated to creating the GATK, a general-purpose, open-source toolkit for applying next-generation DNA sequencing to medical genetics. An integral part of the Broad Institute, a new kind of deeply-collaborative research institution that is transforming medicine and human health by building software to organize, process, and visualize scientific data on an unprecedented scale.

BRIEF SUMMARY:

Will conceive and develop algorithms and analysis approaches to solve the key challenges for emerging DNA sequencing technologies, instantiate these ideas in usable software tools, and apply these tools to flagship Program projects like 1000 Genomes with revolutionary implications in human medical genetics. Will apply computational techniques and biological domain knowledge to design and implement analysis tools to solve complex computational and mathematical problems. Will work collaboratively with other scientists on computational research in a fast-paced environment. Must enable the research of other program scientists through excellent communication, teamwork, and a focus on creating usable and accessible research software tools. Must be capable of working in an interactive team environment while conducting self-directed research within broader goals set by group.

REQUIREMENTS

PhD in Computer Science or related field is required. Must have significant programming and algorithm development experience. Must possess excellent general computational and programming skills; extensive experience with Java (or C/C++), and familiarity with Python (or Perl), and analysis tools like MATLAB and/or R. Must have track record of high-quality computational research. Familiarity with biological research problems is desired. Excellent oral and written English communication skills required.

Please apply at: http://www.broadinstitute.org/careers/job-openings/job-openings-0 (and search by **Requisition Number**)

The Broad Institute

Stanley Center for Psychiatric Research

Computational Biologist,#981

A lively team and wider community of computational biologists, medical geneticists, and software engineers dedicated to building the algorithms and software for seizing the scientific opportunities created by large-scale genome sequencing, specifically for creating best-in-class software methods for DNA sequence analysis. We are part of the vibrant research community at the Broad Institute and the Harvard Medical School Department of Genetics. The Broad Institute is a new kind of deeply collaborative research institution that is transforming medicine and human health by performing experimental research and analyzing scientific data on an unprecedented scale.

Will conceive and develop algorithms and analysis software to realize scientific opportunities and address analytical challenges in using emerging DNA sequencing technologies to analyze human genome structure and variation. Will apply computational techniques and genetics domain knowledge to design and implement analysis tools to solve complex

Carnegie Mellon
tepper
SCHOOL OF BUSINESS

www.tepper.cmu.edu

Junior Faculty Tenure-Track Position in Business Analytics

The Tepper School of Business at Carnegie Mellon University seeks candidates for a tenure-track faculty position at the Assistant Professor level in Business Analytics. The ideal candidate will be a main player in the school's analytical approach to business, a long-standing differentiator of the Tepper business education. The ideal candidate will be substantially involved in new research and educational initiatives across disciplines that concern the use of data for decision making. Applicants are expected to have a doctoral degree at the time of appointment (Fall 2014) in Business, Computer Science, Information Systems, Operations Research, Statistics, or another related field. Applicants are also expected to have a strong commitment to and proven record of research excellence involving cutting-edge analytical methods in business.

The Tepper School and Carnegie Mellon University have a strong culture of collaboration across disciplines. This open environment provides unique opportunities for highly innovative work. We expect a "data for decision making" focus to have a large and synergistic overlap with other research areas such as marketing, service and supply-chain management, healthcare management, finance, etc.

Applicants should submit a vita, research statement, up to five publications or working papers, and three recommendation letters to: bapost@andrew.cmu.edu. Material may also be sent via the Postal Service to Ms. Rosanne Christy, Faculty Search Coordinator for Business Analytics, Carnegie Mellon University, Tepper School of Business, Posner 233, 5000 Forbes Avenue, Pittsburgh, PA 15213. If you have any questions about the application, please contact Ms. Christy at 412-268-1320. **To ensure full consideration, applications must be received by December 1, 2013**.

Carnegie Mellon is an equal opportunity, affirmative action employer with particular interest in identifying women and minority applicants for faculty positions.

Professional Opportunities

computational and mathematical problems. Will instantiate these ideas in usable, robust, accessible software tools and support the use of these tools by internal and external researchers. Will apply these tools to flagship projects (such as the 1000 Genomes Project) with revolutionary implications in human medical genetics. Will work collaboratively with other scientists on computational research in a fast-paced environment. Must be capable of working in a collaborative team environment and working on self-directed research projects within broader goals set by group.

REQUIREMENTS:

A Ph.D. in computer science or related field and familiarity with research problems in genetics. Must have significant programming and algorithm development experience Must have track record of high-quality computational research. Must possess excellent general computational and programming skills and extensive experience with Java (or C/C++) and analysis tools like MATLAB and/or R. Experience with Unix, large-scale computing and developing widely-used software highly desirable. Excellent oral and written English communication skills required.

Please apply at: http://www.broadinstitute.org/careers/job-openings/job-openings-0 (and search by **Requisition Number**)

California Polytechnic State University

College of Engineering

Cybersecurity Center Director

The College of Engineering at California Polytechnic State University, San Luis Obispo, is conducting a nationwide search for a founding director of the newly established Cybersecurity Center. This position is temporary for two years with continuation subject to funding and performance. Salary is commensurate with the background and experience of the individual selected. A Master's degree in a related field (or equivalent), plus five years of industry experience in positions related to cyber-security showing increasing breadth and level of management responsibility is required. A Ph.D. in a related discipline, plus ten years of industry experience in positions related to cybersecurity showing increasing breadth and level of management responsibility, is preferred.

For further information and to apply: Visit www.calpolyjobs.org to complete the required online Cal Poly Management Employment Application and apply to Requisition #103000. Applicants are encouraged to submit materials by October 30, 2013 for full consideration; however, the position will remain open until filled.

Cal Poly is strongly committed to achieving excellence through inclusion and cultural diversity. Cal Poly actively encourages applications and nominations of all qualified individuals. Equal Opportunity Employer.

California State Polytechnic University, Pomona

Computer Science Department – http://www.csupomona.edu/~cs/

Tenure-Track Position

The Computer Science Department invites applications for a tenure-track position at the rank of Assistant Professor to begin Fall 2014. We are particularly interested in candidates with specialization in Software Engineering, Cloud Computing, Data Mining, or Computer Graphics and Animation. Cal Poly Pomona is 30 miles east of L.A. and is one of 23 campuses in the California State University. The department offers an ABET-accredited B.S. program and an M.S. program. Qualifications: Possess, or complete by August 31, 2014, a Ph.D. in Computer Science or closely related area. Demonstrate strong communication skills, commitment to actively engage in the teaching, research, and curricular development activities of the department at both undergraduate and graduate levels, and ability to work with a diverse student body and multicultural constituencies. Ability to teach a

THE CHINESE UNIVERSITY OF HONG KONG

Applications are invited for:-

Faculty of Engineering
Professors / Associate Professors / Assistant Professors
(Ref. 1314/032(266)/2)

The Faculty of Engineering invites applications for several faculty posts at Professor / Associate Professor / Assistant Professor levels with prospect for substantiation in the interdisciplinary area of 'Big Data Analytics', which is a new strategic research initiative supported by the University's Focused Innovations Scheme and will complement current/planned strengths in different Departments under the Faculty. To lead the big data research initiative, senior academics in this area are particularly welcome to apply.

Currently, the Faculty is seeking candidates in the following areas:

- Theoretical, mathematical and algorithmic aspects in large data analytics;
- Large scale software systems and architecture in large data analytics;
- Application areas in large data analytics (including information analytics, network/Web analytics, financial analytics, or bio/medical analytics, etc.).

Applicants should have (i) a PhD degree; and (ii) a strong scholarly record demonstrating potential for teaching and research excellence. The appointees will be expected to (a) teach at both undergraduate and postgraduate levels; (b) develop a significant independent research programme with external funding; and (c) supervise postgraduate students. Appointments will normally be made on contract basis for three years initially, which, subject to performance and mutual agreement, may lead to longer-term appointment or substantiation later. Applications will be accepted until the posts are filled. Further information about the Faculty is available at *http://www.erg.cuhk.edu.hk*.

Salary and Fringe Benefits

Salary will be highly competitive, commensurate with qualifications and experience. The University offers a comprehensive fringe benefit package, including medical care, plus a contract-end gratuity for appointments of two years or longer, and housing benefits for eligible appointees. Further information about the University and the general terms of service for appointments is available at *http://www.per.cuhk.edu.hk*. The terms mentioned herein are for reference only and are subject to revision by the University.

Application Procedure

Please send full resume, copies of academic credentials, a publication list with abstracts of selected published papers, details of courses taught and evaluation results (if any), a research plan, a teaching statement, together with names of three to five referees, to the Dean, Faculty of Engineering by e-mail to *recruit-bda@erg.cuhk.edu.hk*. For enquiries, please contact Professor John C.S. Lui, the leader of this strategic initiative (e-mail: *cslui@cse.cuhk.edu.hk*). Applicants are requested to clearly indicate that they are applying for the posts under 'Big Data Analytics Initiative'. The Personal Information Collection Statement will be provided upon request. Please quote the reference number and mark 'Application – Confidential' on cover.

Professional Opportunities

broad range of courses, and to articulate complex subject matter to students at all educational levels.

First consideration will be given to completed applications received no later than November 15, 2013. Contact: Faculty Search Committee, Computer Science Department, Cal Poly Pomona, Pomona, CA 91768. Email: cs@csupomona.edu.

Cal Poly Pomona is an Equal Opportunity, Affirmative Action Employer. Position announcement available at: http://academic.csupomona.edu/faculty/positions.aspx. Lawful authorization to work in US required for hiring.

Caltech

Center for the Mathematics of Information

CMI Postdoctoral Fellowship Program

Caltech's Center for the Mathematics of Information (CMI) announces openings in the CMI Postdoctoral Fellowship Program, starting in fall 2014. The CMI is dedicated to fundamental mathematical research with an eye to the roles of information and computation throughout science and engineering. Areas of interest include algorithms, complexity, algorithmic game theory, applied combinatorics, applied probability, statistics, machine learning, information and coding theory, control, optimization, networked systems, geometry processing, multiresolution methods, and molecular programming.

Please apply and have three reference letters sent directly as instructed at https://applications.caltech.edu/job/cmi. All candidate materials are due by Friday, December 20, 2013 and letters are due by Monday, December 23, 2013.

Positions are contingent upon completion of the PhD. Caltech is an affirmative action/equal opportunity employer; women, minorities, veterans, and disabled persons are encouraged to apply.

Carleton College

Tenure-Track Position

Carleton College invites applications for a tenure-track position in computer science, in any area of specialization, to begin September 1, 2014. More details on this position can be found at https://jobs.carleton.edu/postings/1552.

Carleton is a highly selective liberal arts college with outstanding, enthusiastic students. We seek an equally enthusiastic computer scientist committed to excellence in teaching, curriculum design, ongoing research, and undergraduate research advising. To apply, please visit jobs.carleton.edu and complete the online application, including a cover letter, CV, brief statements describing teaching philosophy and research agenda, a graduate transcript, and contact information for three letters of reference (at least one of which should address your teaching). Applications completed by December 15, 2013 will receive full consideration.

Carleton College is an affirmative action/equal opportunity employer. We are committed to developing

Computer Science

Multiple faculty positions are available at Cornell's Department of Computer Science, based in Ithaca, New York. Candidates are invited to apply at all levels including tenured, tenure-track, or lecturer, and from all areas of computer science and related fields.

Tenured and tenure track faculty must hold the equivalent of a Ph.D.; applicants for the position must have demonstrated an ability to conduct outstanding research. Lecturers must hold the equivalent of a Master's degree, with a Ph.D. preferred. To ensure full consideration, applications should be received by December 1, 2012, but will be accepted until all positions are filled.

Applicants should submit a curriculum vita, brief statements of research and teaching interests, and arrange to have at least three references letters submitted at:

https://academicjobsonline.org/ajo/jobs/1917

Diversity and inclusion have been and continue to be a part of our heritage. Cornell University is a recognized EEO/AA employer and educator.

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

Faculty Positions in Computer Science

Columbia Engineering's Department of Computer Science at Columbia University in New York City invites applications for tenure-track faculty positions. Appointments at the assistant professor (without tenure) and associate professor (without tenure) levels will be considered.

Applications are specifically sought in any of the areas that fall under the umbrella of Computer Science with particular emphasis on, but not limited to: Databases, Computational Biology, and Human-Computer Interaction.

Candidates must have a Ph.D. or its professional equivalent by the starting date of the appointment. Applicants for this position at the Assistant Professor and untenured Associate Professor level must have the potential to do pioneering research and to teach effectively.

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

For additional information and to apply, please see: http://engineering.columbia.edu/faculty-job-opportunities. Applications should be submitted electronically and include the following: curriculum-vitae including a publication list, a research statement, a teaching statement, contact information for three people who can provide letters of recommendation, and up to three pre/reprints of scholarly work. The position will close no sooner than December 15, 2013, and will remain open until filled.

Applicants can consult www.cs.columbia.edu for more information about the Department.

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

Professional Opportunities

our faculty to better reflect the diversity of our student body and American society. Women and members of minority groups are strongly encouraged to apply.

Carnegie Mellon University

Computer Science Department

Teaching Track Positions

Applications are invited for two teaching-track positions in Computer Science, beginning Fall 2014. This is a renewable, career-oriented position with an initial appointment for three years. We seek highly qualified applicants with a strong commitment to excellence in teaching and the ability to teach at all levels in the undergraduate curriculum.

Applicants for the position must have a Ph.D. in Computer Science or a related field, and demonstrated excellence in teaching Computer Science courses. Teaching-track appointments are typically at the rank of Assistant Teaching Professor, with the possibility of promotion to the ranks of Associate Teaching Professor and Teaching Professor. None of these ranks are tenured; applicants seeking a tenure-track position at a research university are therefore not a good match for these positions.

In order to receive full consideration, applicants should submit a letter of application, curriculum vitae, a statement of teaching philosophy, and the names and email addresses of three or more individuals whom the applicant has asked to provide letters of reference. Applicants should arrange for reference letters to be sent directly to the contact below. This information should be sent by January 31, 2014, to the contact listed below.

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

Please send your applications and accompanying materials to

Dr. Klaus Sutner
Computer Science Department
Carnegie Mellon University
5000 Forbes Avenue
Pittsburgh, PA 15213
email: sutner@cs.cmu.edu

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

Carnegie Mellon University

School of Computer Science

Faculty Positions

The School of Computer Science at Carnegie Mellon University seeks faculty candidates with a strong interest in research, outstanding academic credentials, and an earned Ph.D.

Candidates for tenure-track appointments should also have a strong interest in graduate and undergraduate education. The School spans a wide range of topics in computer science and the application of computers to real-world systems.

It houses the Computer Science Department; Human-Computer Interaction Institute; Institute for Software Research; Lane Center for Computational Biology; Language Technologies Institute; Machine Learning Department and the Robotics Institute.

In addition to our core areas, we especially encourage applications in Cybersecurity and Privacy; Computer Graphics; Computer Vision; Machine Learning; Programming Languages, Logic and Verification; Behavioral Science and Design Specializations within Human - Computer Interaction; Data-intensive Computing; Embedded Software.

Please refer to http://www.cs.cmu.edu/~scsdean/HiringPage/ for details and submission guidelines. We will begin accepting applications on November 1, 2013. To receive full consideration, please apply before January 15, 2014. Please contact the Search Committee at faculty-search@cs.cmu.edu with questions.

Carnegie Mellon University is an affirmative action/equal opportunity employer; we invite and encourage applications from all underrepresented minorities, including women.

Computer Science

Multiple senior faculty positions in computer science are available at Cornell's new CornellNYC Tech campus in New York City. Faculty hired in these positions will be in the Department of Computer Science, which will span the Ithaca and New York City campuses, but their teaching and research will be based in New York City. We will consider only candidates at the Associate and Full Professor level, but will consider candidates from all areas of computer science and related fields.

Candidates whose work fits into one of the three initial hubs at CornellNYC, Connective Media, Healthier Life, and Built Environment, are particularly encouraged. Candidates must hold a Ph.D., must have demonstrated an ability to conduct outstanding research, and must also have a strong interest in the technology commercialization and entrepreneurship mission of the campus. In addition, interest in international programs and/or pre-college (K-12) education is advantageous.

This search may include Cornell faculty positions that are part of the Technion-Cornell Innovation Institute.

To ensure full consideration, applications should be received by December 1, 2012, but will be accepted until all positions are filled. Candidates should submit a curriculum vita, brief statements of research and teaching interests on-line at

https://academicjobsonline.org/ajo/jobs/1915

Diversity and inclusion have been and continue to be a part of our heritage. Cornell University is a recognized EEO/AA employer and educator.

Professional Opportunities

Case Western Reserve University

Engineering Strategic Hiring Initiative

Case Western Reserve University's Engineering Strategic Hiring Initiative continues in 2013 and beyond with a focus on recruiting extraordinary faculty in the broad areas of **advanced materials, energy and human health**. Research clusters identified as strategic priorities and opportunities for the Case School of Engineering include Biomolecular Engineering, Fire and Materials Flammability, Informatics and Smart Grid.

Informatics is seeking candidates in the area of informatics, including engineering epidemiology, materials genome, and biomedical/health informatics. Candidates should be grounded in computer and information science or related areas, with an aptitude for interdisciplinary and translational teamwork. Areas of specific interest include big data management, convergence, mining, and analytics, with the creation of unique tools, methodology, and novel data resources (e.g. time-series, imaging, electronic medical records, sequence, and material properties).

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

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

Candidates seeking positions at the Assistant Professor level and higher should hold an earned doctorate in a field of engineering or related science and demonstrate promise for research and teaching excellence. Those seeking these positions should provide the names and contact information of three references in addition to a cover letter, research and teaching statements and CV. Candidates seeking positions at the Associate Professor level should have established a significant research reputation nationally and possess a record of extramural funding. Candidates seeking positions at the level of full Professor should be recognized internationally for research excellence, leadership and scholarship in their discipline.

We welcome all nominations and applications. For additional information, please visit http://engineering.case.edu/strategichiring/ or contact Dean Jeffrey Duerk at cseinterest@case.edu.

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

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

Center for Research in Mathematics

Computer Science and Monterrey office

Tenure track, postdoctoral and associate researchers

Tenure track and Postdoctoral researcher positions in the Computer Science Department at CIMAT, Guanajuato, Gto., Mexico; Associate researcher position at CIMAT office in Monterrey, N.L, Mexico.

CIMAT is a leading institution in Mathematics, Statistics, Computer Science in Guanajuato, Mexico, with three field offices, including one in Monterrey, N.L. The research lines in the Computer Science Department are: optimization, numerical methods, parallel and distributed computing, robotics, pattern recognition and machine learning, statistical computing, computer graphics, computer vision, image and signal transmission, compression, and processing.

Interested candidates for the positions in Guanajuato, Gto., should send their application to botello@cimat.mx before December 31st, 2013.

For the positions in Monterrey, N.L., please send the application to acostilla@cimat.mx before November 15, 2013.

For more information, consult: www.cimat.mx

Clemson University

Assistant Professor in Computer Science

The Division of Computer Science in the School of Computing at Clemson University invites applicants for tenure-track faculty positions at the rank of Assistant Professor. Persons with exceptional qualifications may be considered at a higher rank. We are especially interested in persons specializing in networking, security, and systems. However, highly qualified candidates in all areas that meet our goals of growing collaborative and multi-disciplinary research will also be considered.

Clemson University is an Affirmative Action/Equal Opportunity employer and does not discriminate against any individual or group of individuals on the basis of age, color, disability, gender, national origin, race, religion, sexual orientation, veteran status or genetic information.

For more information and to apply please visit: https://cubshr9e.clemson.edu/psp/hpprd/EMPLOYEE/HRMS/c/HRS_HRAM.HRS_CE.GBL?Page=HRS_CE_JOB_Dtion=A&JobOpeningId=12819&SiteId=1&PostingSeq=1

Clemson University

Director, School of Computing

The Clemson University School of Computing invites applications and nominations for the Director of the School of Computing. The individual who holds this administrative position will serve as the executive officer of the school and report to the Dean of the College of Engineering and Science. Candidates are expected to merit the rank of Professor with tenure and have an internationally recognized record of scholarship and leadership, with demonstrated administrative experience. For the appropriate candidate, an endowed chair may be considered. The school seeks a Director excited to provide leadership with shared governance in areas including research and funding, faculty and student recruiting, promotion and tenure, and curriculum management. Additional information about the School of Computing and the Director position is available at http://www.clemson.edu/ces/computing/director-position.html. Informal enquiries may be directed to the Search Committee Chair, Jason O. Hallstrom, at jasonoh@clemson.edu.

The School of Computing comprises three academic units representing a broad cross-section of computing and its applications: (1) the Division of Computer Science, (2) the Division of Visual Computing, and (3) the Division of Human-Centered Computing. The school includes 31 tenured/tenure-track faculty, 6 lecturers, 419 undergraduates, and 215 graduate students. Competitive funding for FY12 was over $5 million.

Clemson University is the land-grant institution of South Carolina, enrolling approximately 15,000 undergraduates and 4,000 graduate students. A faculty of 1,400 and staff of 3,000 support 84 undergraduate degree offerings, 73 master's degree programs, and 40 Ph.D. programs. Research and economic development activities are enhanced by public-private partnerships at three innovation campuses, and six research and education centers located throughout South Carolina.

Today, Clemson University is ranked 25th among national public universities by U.S. News & World Report. Clemson University is described by students and faculty as an inclusive, student-centered community characterized by high academic standards, a culture of collaboration, school spirit, and a competitive drive to excel.

Applicants must have an earned doctorate in computer science, computer engineering, or a closely related field. Applicants should submit a current vita and a minimum of five references with full contact

Professional Opportunities

information. (References will be contacted only after receiving follow-up approval from the applicant/nominee.) Electronic submissions (PDF files) to directorsearch@clemson.edu are preferred, but applications and nominations can also be mailed to Director Search, 212 McAdams Hall, Clemson University, Clemson, SC 29634, USA. Application materials must be received by December 15, 2013 to receive full consideration, though the search will remain open until the position is filled.

Clemson University is an Affirmative Action/Equal Opportunity employer and does not discriminate against any individual or group of individuals on the basis of age, color, disability, gender, national origin, race, religion, sexual orientation, veteran status or genetic information.

Clemson University

School of Computing

Multiple Post-Doctoral Research Fellow Positions

The School of Computing at Clemson University is seeking applicants for multiple Post-Doctoral Research Fellow positions with an emphasis on applications to medicine and health. In particular we are looking for applicants with skills and experience in the following focus areas: Visualization, Machine Learning/Data Mining/Information Retrieval/Text Analysis, Computational Science and Social Analytics, Manufacturing, Virtual Reality and Visual Simulation.

Detailed information about each position and instructions for how to apply are available at www.clemson.edu/computing/faculty-openings.html.

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Clemson University

Sensor Engineer

JOB PURPOSE:

Clemson University's Edisto Research and Education Center (REC) is seeking a highly qualified Sensor Engineer that will be an integral part of our Precision Ag team. In addition to this position, the new hires will include a Precision Ag Engineer, a Precision Nutrient Management Specialist, and an Extension Precision Ag Specialist that will work with a broader team of current faculty with research and Extension expertise in Irrigation, Precision Ag, Power and Machinery, Weed Management, Entomology, Nematology, Plant Pathology, Horticulture, and Agronomy. Collaboration with the Intelligent Farm team is anticipated.

JOB FUNCTIONS:

RESEARCH PROGRAM -E/30%
AG TEAM SUPPORT -E/20%
AG SENSING TECHNOLOGIES -E/20%
COMMERCIAL AG -E/20%

QUALIFICATIONS:

Ph.D. in Electrical and Computer Engineering, Instrumentation Engineering, Agricultural Engineering, Biosystems Engineering, Mechatronics, or a closely related field with experience in designing and constructing sensors and control systems.

HOW TO APPLY:

Review of materials will begin immediately and continue until the position is filled. To ensure full consideration, please submit materials by 10/20/13

Position will be located at the Edisto Research and Education Center in Blackville, SC.

Apply Here: http://www.Click2Apply.net/ms88gp7

Colorado College

Tenure Track Assistant Professor

The Department of Mathematics and Computer Science at Colorado College announces a tenure track Assistant Professor of Computer Science position, beginning fall 2014. A PhD in computer science or related field is required. We will consider candidates in any area of computer science. Applicants must be able to teach a wide range of courses across the computer science curriculum, and the ability to teach some courses in statistics or mathematics would be welcome. Review of completed applicant files will begin on November 1, 2013 and continue until the position is filled.

Colorado College is a leading national liberal arts college with about 2000 undergraduates and an innovative "Block Plan" academic calendar. The college is dedicated to greater diversity among its faculty, students, and curriculum. Candidates are encouraged to identify their strengths and experiences in contributing to these diversity goals.

A successful candidate must exhibit the potential for excellence in teaching and for contributing to the department's scholarly activities, both through their own research and by supervising student projects. The application should include a cover letter, statements describing both your approach to teaching and your research program, a curriculum vita, graduate school transcripts and three letters of recommendation (at least one of which should address teaching ability). The department plans to begin phone interviews with select candidates in December, and invite top candidates for on-campus interviews in January and February. Our online application process can be initiated at https://employment.coloradocollege.edu on or after September 2, 2013.

Equal Opportunity Employer: The Colorado College welcomes members of all groups and reaffirms its commitment not to discriminate on the basis of race, color, age, religion, sex, sexual orientation, gender identity, gender expression, national origin, or disability in its educational programs, activities, and employment practices.

Colorado State University

Department of Computer Science

Tenure Track Faculty in Computer Science

Colorado State University is accepting applications for a tenure-track assistant professor in Computer Science, beginning fall 2014. Only candidates in bioinformatics/computational biology will be considered. This position is part of a university-wide effort to recruit additional faculty in biosciences and bioinformatics. Applications must be received by **December 16, 2013**.

Submit materials at http://cns.natsci.colostate.edu/employment/Compsci/.

CSU is an EO/EA/AA employer. Colorado State University conducts background checks on the final candidates.

Columbia University

Department of Computer Science and the Institute for Data Sciences and Engineering

Lecturer in Discipline

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

Lecturers in Discipline are officers who meet a programmatic need for instruction in specialized fields. The selected candidate/s will be expected to teach courses on Algorithms and Machine Learning. Courses will be geared towards data science, at the graduate level, and the candidate/s will be responsible for advising students in Institute for Data Sciences and Engineering Certification of Professional Achievement program. In addition to teaching and mentoring responsibilities, the selected candidate will assist the growth and development of future graduate degree programs within the Institute, while ensuring adequate linkage with industry and practical applications; and coordinating with the faculty in the Institute for Data Sciences and Engineering.

Candidates for appointment must demonstrate practice expertise, professional competence and scholarship in Computer Science. Candidates must hold a doctorate degree or its professional equivalent. The ideal candidate also possesses the ability to bring real world approaches, methods and technologies from industry to the School's classrooms. In collaboration with the Institute's Director of Industry Interactions and Entrepreneurship, the incumbent

Professional Opportunities

will provide students with exposure to practitioners of outstanding professional achievement and leadership. The Department is especially interested in qualified candidates who can contribute, through their teaching and/or service, to the diversity and excellence of the academic community.

For questions and/or to apply for this position, please use the following link: https://academicjobs.columbia.edu/applicants/Central?quickFind=57899.

Dartmouth College

Department of Computer Science

Three Positions

Assistant Professor of Computer Science: Computer Graphics/Digital Arts

The Dartmouth College Department of Computer Science invites applications for a tenure-track faculty position at the level of assistant professor. We seek candidates who will be excellent researchers and teachers in the areas of computer graphics and/or digital arts, although outstanding candidates in any area will be considered. We particularly seek candidates who will be integral members of the Digital Arts program and help lead, initiate, and participate in collaborative research projects both within Computer Science and involving other Dartmouth researchers, including those in other Arts & Sciences departments, Dartmouth's Geisel School of Medicine, and Thayer School of Engineering.

The department is home to 17 tenured and tenure-track faculty members and two research faculty members. Research areas of the department encompass the areas of systems, security, vision, digital arts, algorithms, theory, robotics, and computational biology. The Computer Science department is in the School of Arts & Sciences, and it has strong Ph.D. and M.S. programs and outstanding undergraduate majors. Digital Arts at Dartmouth is an interdisciplinary program housed in the Computer Science department, working with several other departments, including Studio Art, Theater, and Film and Media Studies. The department is affiliated with Dartmouth's M.D.-Ph.D. program and has strong collaborations with Dartmouth's other schools.

Dartmouth College, a member of the Ivy League, is located in Hanover, New Hampshire (on the Vermont border). Dartmouth has a beautiful, historic campus, located in a scenic area on the Connecticut River. Recreational opportunities abound in all four seasons.

With an even distribution of male and female students and over one third of the undergraduate student population members of minority groups, Dartmouth is committed to diversity and encourages applications from women and minorities.

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

Applicants are invited to submit application materials via Interfolio at http://apply.interfolio.com/23489. Upload a CV, research statement, and teaching statement, and request at least four references to upload letters of recommendation, at least one of which should comment on teaching. Email facsearch14@cs.dartmouth.edu with any questions.

Application review will begin November 1, 2013, and continue until the position is filled.

Assistant Professor of Computer Science: Machine Learning

The Dartmouth College Department of Computer Science invites applications for a tenure-track faculty position at the level of assistant professor. We seek candidates who will be excellent researchers and teachers in the area of machine learning, although outstanding candidates in any area will be considered. We particularly seek candidates who will help lead, initiate, and participate in collaborative research projects both within Computer Science and involving other Dartmouth researchers, including those in other Arts & Sciences departments, Dartmouth's Geisel School of Medicine, Thayer School of Engineering, and Tuck School of Business.

The department is home to 17 tenured and tenure-track faculty members and two research faculty members. Research areas of the department encompass the areas of systems, security, vision, digital arts, algorithms, theory, robotics, and computational biology. The Computer Science department is in the School of Arts & Sciences, and it has strong Ph.D. and M.S. programs and outstanding undergraduate majors. The department is affiliated with Dartmouth's M.D.-Ph.D. program and has strong collaborations with Dartmouth's other schools.

Dartmouth College, a member of the Ivy League, is located in Hanover, New Hampshire (on the Vermont border). Dartmouth has a beautiful, historic campus, located in a scenic area on the Connecticut River. Recreational opportunities abound in all four seasons.

With an even distribution of male and female students and over one third of the undergraduate student population members of minority groups, Dartmouth is committed to diversity and encourages applications from women and minorities.

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

Applicants are invited to submit application materials via Interfolio at http://apply.interfolio.com/23502. Upload a CV, research statement, and teaching statement, and request at least four references to upload letters of recommendation, at least one of which should comment on teaching. Email facsearch14@cs.dartmouth.edu with any questions.

Application review will begin November 1, 2013, and continue until the position is filled.

Assistant Professor of Computer Science: Theory/Algorithms

The Dartmouth College Department of Computer Science invites applications for a tenure-track faculty position at the level of assistant professor. We seek candidates who will be excellent researchers and teachers in the area of theoretical computer science, including algorithms, although outstanding candidates in any area will be considered. We particularly seek candidates who will help lead, initiate, and participate in collaborative research projects both within Computer Science and involving other Dartmouth researchers, including those in other Arts & Sciences departments, Dartmouth's Geisel School of Medicine, Thayer School of Engineering, and Tuck School of Business.

The department is home to 17 tenured and tenure-track faculty members and two research faculty members. Research areas of the department encompass the areas of systems, security, vision, digital arts, algorithms, theory, robotics, and computational biology. The Computer Science department is in the School of Arts & Sciences, and it has strong Ph.D. and M.S. programs and outstanding undergraduate majors. The department is affiliated with Dartmouth's M.D.-Ph.D. program and has strong collaborations with Dartmouth's other schools.

Dartmouth College, a member of the Ivy League, is located in Hanover, New Hampshire (on the Vermont border). Dartmouth has a beautiful, historic campus, located in a scenic area on the Connecticut River. Recreational opportunities abound in all four seasons.

With an even distribution of male and female students and over one third of the undergraduate student population members of minority groups, Dartmouth is committed to diversity and encourages applications from women and minorities.

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

Applicants are invited to submit application materials via Interfolio at http://apply.interfolio.com/23503. Upload a CV, research statement, and teaching statement, and request at least four references to upload letters of recommendation, at least one of which should comment on teaching. Email facsearch14@cs.dartmouth.edu with any questions.

Application review will begin November 1, 2013, and continue until the position is filled.

Professional Opportunities

Ecole Polytechnique Federale De Lausanne

Two Post-Doctoral Researchers

Opening for Two Post-doctoral Researchers in Privacy and Security

EPFL/LCA1 (Prof. Jean-Pierre Hubaux) is recruiting two post-doctoral researchers in the areas of **network privacy and security,** with an emphasis on mobile/wireless networks and on **data privacy and security,** with an emphasis on health-related data (including genomic data). More information about our research activities can be found at: http://people.epfl.ch/jean-pierre.hubaux.

Required skills and expertise:

- Very good knowledge of written and spoken English (French is not required)
- Strong background in security, privacy, and applied cryptography
- Some background knowledge in networking and/or databases, electronic health records, genomics, game theory, microeconomics, machine learning would be an asset
- Good analytical skills
- Good knowledge of C, C++, Java, Python, and MatLab

Education: a PhD degree in computer science, electrical engineering, communication systems, or computer engineering; with a convincing publication record.

Mission: Your contribution to the research efforts of the group will involve many interactions with PhD and undergrad students, senior researchers, and external partners (from industry, academia, and hospitals); some participation in teaching is also expected. The research activities will mainly revolve around the design and the validation of protocols and algorithms; some supervision of prototype development might be involved.

EPFL offers top research facilities and very competitive salary conditions; it is an equal opportunity employer.

Starting date: to be agreed upon, preferably by summer 2014 for at least one of the positions. The duration of employment is flexible, with an upper bound of 4 years.

If you are interested in this position and believe that you qualify, please send (preferably before **November 30**, 2013) a cover letter, a research statement (explaining notably how you would contribute to our activities), a resume with list of publications (please highlight the two most relevant ones), and the names, e-mail addresses, and phone numbers of at least 3 references to: jean-pierre.hubaux@epfl.ch . Please mention "Application to Post-Doctoral Position LCA1-2014" in the title of your e-mail.

ETH Zurich

Assistant Professorships (Tenure Track) in Computer Science

The Department of Computer Science (www.inf.ethz.ch) at ETH Zurich invites applications for assistant professorships (Tenure Track) in the areas of:

- Computer Systems
- Software Engineering
- Information Systems (with emphasis on Big Data)

For candidates with exceptional research accomplishments also applications for a full professorship will be considered.

The department offers a stimulating and well-supported research and teaching environment. Collaboration in research and teaching is expected both within the department and with other groups of ETH Zurich and related institutions.

Applicants should have internationally recognized expertise in their field and pursue research at the forefront of Computer Science. Successful candidates should establish and lead a strong research program. They will be expected to supervise Ph.D. students and teach both undergraduate level courses (in German or English) and graduate level courses (in English).

Assistant professorships have been established to promote the careers of younger scientists. The initial appointment is for four years with the possibility of renewal for an additional two-year period and promotion to a permanent position.

Please apply online at www.facultyaffairs.ethz.ch

Applications should include a curriculum vitae, a list of publications, a statement of research and teaching interests and the names of at least three referees. The letter of application should be addressed t**o the President of ETH Zurich, Prof. Dr. Ralph Eichler. The closing date for applications is 15 January 2014.** ETH Zurich is an equal opportunity and family friendly employer and is further responsive to the needs of dual career couples. In order to increase the number of women in leading academic positions, we specifically encourage women to apply.

Florida International University

Tenure-Track and Tenured Faculty Positions

Florida International University is a comprehensive university offering 340 majors in 188 degree programs in 23 colleges and schools, with innovative bachelor's, master's and doctoral programs across all disciplines including medicine, public health, law, journalism, hospitality, and architecture. FIU is Carnegie-designated as both a research university with high research activity and a community-engaged university. Located in the heart of the dynamic south Florida urban region, our multiple campuses serve over 50,000 students, placing FIU among the ten largest universities in the nation. Our annual research expenditures in excess of $100 million and our deep commitment to engagement have made FIU the

ÉCOLE POLYTECHNIQUE
FÉDÉRALE DE LAUSANNE

Faculty Positions in Computer Science
Ecole polytechnique fédérale de Lausanne

The School of Computer and Communication Sciences at EPFL invites applications for faculty positions in computer and communication sciences. We are seeking candidates for positions at the tenure-track assistant professor or tenured senior professor levels.

Successful candidates will develop an independent and creative research program, participate in both undergraduate and graduate teaching, and supervise PhD students.

Candidates from all areas of computer science will be considered, but preference will be given to candidates in the fields of cyber-physical risk management, data analytics, machine learning, security and privacy.

EPFL, in Lausanne, Switzerland, is a dynamic science and engineering university ranked among the top research institutions in Europe. It offers a rich international environment with English as its common language, as well as competitive salaries, significant start-up resources, and outstanding research infrastructure.

To apply, please follow the application procedure at https://academicjobsonline.org/ajo/jobs/3050.

The following documents are requested in PDF format: curriculum vitae including publication list, brief statements of research and teaching interests, names and addresses (including e-mail) of 3 references for junior positions and 6 for senior positions. Screening will start on **December 1, 2013**. Further questions can be addressed to :

Prof. Willy Zwaenepoel
Chairman of the recruiting committee
School of Computer and Communication Sciences
EPFL
CH-1015 Lausanne

recruiting.ic@epfl.ch

For additional information on EPFL, please consult: http://www.epfl.ch or http://ic.epfl.ch

EPFL is an equal opportunity employer.

Professional Opportunities

Faculty Positions in Data Science

EMORY UNIVERSITY
Atlanta, Georgia

Emory University Math & Computer Science is leading an initiative in **Data Science** to pioneer research and educational advances in this emerging multidisciplinary domain. This initiative builds upon current strengths in data-oriented topics within Computer Science and connects to new areas of emphasis across the life and social sciences at Emory. We intend to recruit a cluster of six or more outstanding scholars in complementary areas of Data Science over the next few years.

Applications for Tenure-Track Positions at the Assistant Professor level are invited from exceptional candidates with outstanding research and teaching records (or promise) in fields related to Data Science. Truly eminent candidates may be considered for appointment at higher ranks, subject to administrative approval. Specific priority areas for this year's searches are:

Data Management and Database Systems – Applicants must have a PhD in Computer Science or a closely related area, with specialization in databases, data and information management, data analysis, storage systems or related topics. The successful candidate will join a growing niche-excellent program in Computer Science within the Mathematics & Computer Science department (http://www.mathcs.emory.edu) and contribute to core scholarship and teaching at the undergraduate and graduate levels.

Natural Language Processing – All areas related to NLP are of interest, including computational linguistics, language understanding, information extraction, machine translation, and sentiment analysis. Based in Mathematics & Computer Science (http://www.mathcs.emory.edu), this position will have a formal role and teaching responsibilities in the Institute for Quantitative Theory and Methods (http://quantitative.emory.edu), as well as a possible affiliation with the Linguistics program. A PhD in Computer Science or closely related field is required, as is an interest in interdisciplinary collaborations, particularly with the social sciences and humanities.

Machine Learning with Applications to Life Science Informatics – In partnership with Emory's strategic initiative in Computational Life Sciences, we seek an exceptional Machine Learning scholar, interested in applications to life sciences and medical informatics. Candidates must have a PhD in Computer Science, Informatics or Statistics. Primary appointment will be in Mathematics & Computer Science (http://www.mathcs.emory.edu); with possible secondary or courtesy appointments in Biomedical Informatics (http://www.bmi.emory.edu/) or in Biostatistics and Bionformatics (http://www.sph.emory.edu/departments_centers/bios/index.html).

Applications specifying one or more of the above areas and comprising a CV, research and teaching statements, and three to five letters of recommendation directly from recommenders, should be sent via email to cssearch2014@mathcs.emory.edu. Informal inquiries are also invited by email. Screening starts January 6, 2014 and will continue until all positions are filled.

Emory University is an Affirmative Action/Equal Opportunity Employer and welcomes applications from women and members of minority groups.

Professional Opportunities

go-to solutions center for issues ranging from local to global. FIU leads the nation in granting bachelor's degrees, including in the STEM fields, to minority students and is first in awarding STEM master's degrees to Hispanics. Our students, faculty, and staff reflect Miami's diverse population, earning FIU the designation of Hispanic-Serving Institution. At FIU, we are proud to be 'Worlds Ahead'! For more information about FIU, visit fiu.edu.

The School of Computing and Information Sciences at Florida International University seeks candidates for tenure-track and tenured faculty positions at all levels.

Open-Rank Tenure Track/Tenured Positions (Job ID# 506754)

We seek outstanding candidates in all areas of Computer Science and researchers in the areas of compilers and programming languages, computer architecture, databases, information retrieval and big data, natural language processing, and health informatics, are particularly encouraged to apply. Candidates from minority groups are encouraged to apply. Preference will be given to candidates who will enhance or complement our existing research strengths.

Ideal candidates for junior positions should have a record of exceptional research in their early careers. Candidates for senior positions must have an active and proven record of excellence in funded research, publications, and professional service, as well as a demonstrated ability to develop and lead collaborative research projects. In addition to developing or expanding a high-quality research program, all successful applicants must be committed to excellence in teaching at both the graduate and undergraduate levels. An earned Ph.D. in Computer Science or related disciplines is required.

Florida International University (FIU) is the state university of Florida in Miami. It is ranked by the Carnegie Foundation as a comprehensive, doctoral research university with high research activity. The School of Computing and Information Sciences (SCIS) is a rapidly growing program of excellence at the University, with 36 faculty members and over 1,800 students, including 80 Ph.D. students. SCIS offers B.S., M.S., and Ph.D. degrees in Computer Science, an M.S. degree in Telecommunications and Networking, and B.S., B.A., and M.S. degrees in Information Technology. SCIS has received approximately $19.6M in the last four years in external research funding, has 14 research centers/clusters with first-class computing infrastructure and support, and enjoys broad and dynamic industry and international partnerships.

HOW TO APPLY:

Applications, including a letter of interest, contact information, curriculum vitae, academic transcript, and the names of at least three references, should be submitted directly to the FIU Careers Website at careers.fiu.edu; refer to Job ID# 506754. The application review process will begin on January 1st, 2014, and will continue until the position is filled. Further information can be obtained from the School website http://www.cis.fiu.edu, or by e-mail to recruit@cis.fiu.edu.

FIU is a member of the State University System of Florida and is an Equal Opportunity, Equal Access Affirmative Action Employer.

Florida State University

Department of Computer Science

Tenure-Track Assistant Professor Positions

The Department of Computer Science at the Florida State University invites applications for multiple tenure-track Assistant Professor Positions to begin August 2014. Positions are 9-mo, full-time, tenure-track, and benefits eligible. Outstanding applicants with research and teaching strengths in Big Data and Cyber Security are particularly encouraged to apply. Outstanding applicants specializing in other emerging research areas are also welcome to apply. Applicants should hold a PhD in Computer Science or closely related field, and have excellent research and teaching accomplishments or potential. The department offers degrees at the BS, MS, and PhD levels. The department is an NSA Center of Academic Excellence in Information Assurance Education (CAE/IAE) and Research (CAE-R).

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

Screening will begin January 1, 2014 and will continue until the position is filled. Please apply online with curriculum vitae, statements of teaching and research philosophy, and the names of five references, at: http://www.cs.fsu.edu/positions/apply.html.

Questions can be e-mailed to Prof. Mike Burmester, Faculty Search Committee Chair, recruitment@cs.fsu.edu or to Prof. Robert van Engelen, Department Chair, chair@cs.fsu.edu.

The Florida State University is a Public Records Agency and an Equal Opportunity/Access/Affirmative Action employer, committed to diversity in hiring.

Georgia Institute of Technology

College of Computing

Tenure-Track Faculty Positions

The School of Interactive Computing (IC) within the College of Computing at the Georgia Institute of Technology (Georgia Tech) invites applications for tenure-track faculty positions. Applications at all levels of seniority will be considered. Applicants must have an outstanding record of research, a sincere commitment to teaching, and interest in engaging in substantive interdisciplinary research. We are interested in faculty candidates in all areas of research within IC but particular areas of interest this year include Information Visualization, Visual Analytics, and Robotics.

The School of IC includes 35 faculty members and 120 graduate students working in a wide range of research areas relating to the interface of computing to the world. The School is affiliated with the GVU Center and the Center for Robotics and Intelligent Machines (RIM@GT). Our degree programs include the College-wide Computer Science Ph.D., a Ph.D. in Human-Centered Computing, and a Ph.D. program in Robotics, joint with other schools on campus. Masters programs include Computer Science and Human-Computer Interaction. For more information visit http://ic.gatech.edu.

Application materials should be submitted online: https://academicjobsonline.org/ajo/jobs/3410. Questions regarding the status of an application can be addressed to recruiting-ic@cc.gatech.edu. Application materials should include a full academic CV, teaching and research statements, a list of at least three references with contact information and up to three publications. Applicants are encouraged to clearly identify in their cover letter the area(s) that best describe their research interests. Reviews of submitted applications begin November 1, 2013 and full consideration will be given to those who apply by January 15, 2014. We expect most hiring decisions will be made by May 1, 2014.

Georgia Tech is an Affirmative Action/Equal Opportunity Employer. Applications from women and under-represented minorities are strongly encouraged.

Georgia Institute of Technology

School of Computer Science

Tenure-Track Faculty Positions

The School of Computer Science in the College of Computing at the Georgia Institute of Technology invites applications for tenure-track faculty positions. We are primarily seeking junior-level candidates at the Assistant Professor level. Truly exceptional candidates at the Associate and Full Professor level may also be considered. Applicants should have completed or be near completion of a Ph.D. in computer science or a related field and should demonstrate potential for excellence in research and teaching. The School of Computer Science, one of three schools in the College of Computing, focuses on research that makes computing and communication smart, fast, reliable, and secure, with research groups in computer architecture, databases, machine learning, networking, programming languages, security, software engineering, systems, and theory. We seek candidates that can add to or enhance the current research areas of the school, with particular interest

Professional Opportunities

for candidates in the systems area and candidates who bridge research areas.

Applications will be considered until open positions are filled. However, to receive full consideration, applications should be submitted by December 9, 2013. Application materials should include a full academic CV, teaching and research statements, and a list of at least three references. Applicants are encouraged to clearly identify in their cover letter the area(s) that best describe their research interests. All applications must be submitted online. More information about the School of Computer is available at http://scs.gatech.edu.

Georgia Tech is an Affirmative Action/Equal Opportunity Employer. Applications from women and under-represented minorities are strongly encouraged.

Georgia Institute of Technology

Tenure-Track Faculty Positions

The School of Computational Science and Engineering of the College of Computing at the Georgia Institute of Technology invites applications for tenure-track faculty positions. Applications at all levels of service will be considered. Applicants must have an outstanding record of research, a sincere commitment to teaching, and interest in engaging in substantive interdisciplinary research with collaborators in other disciplines.

We encourage applications from all areas of computational science and engineering. Applicants with expertise in areas related to data mining and machine learning, high-performance computing, scientific computing, visualization, modeling & simulation, or complex systems are especially encouraged to apply. We are also interested in applicants with expertise in the computational aspects of health and wellbeing, energy and sustainability, biology and biomedicine, and materials and manufacturing.

Applications will be considered until open positions are filled. However, to receive full consideration; applications should be submitted online through https://academicjobsonline.org/ajo/jobs/3274

by December 16, 2013. The application material should include a full academic CV, teaching and research statements, a list of at least three references and up to three publications.

Applicants are encouraged to clearly identify in their cover letter the area(s) that best describe their research interests. Georgia Tech is an Affirmative Action/Equal Opportunity Employer. Applications from women and under-represented minorities are strongly encouraged.

For more information about the School of Computational Science and Engineering please visit: http://www.cse.gatech.edu/

Georgia State University

Open Rank Tenure Track Positions in Transcultural Conflict and Violence

Georgia State University announces an open rank, tenure-track faculty position in Transcultural Conflict and Violence to start August 2014 pending budgetary approval. Ph.D. required. The faculty member will join an interdisciplinary research team of faculty from Computer Science, Communication, Religious Studies, Political Science, English and the Middle East Institute who draw upon cultural studies, social science, and technical fields to address complex global security challenges. The home department for the position will depend on the candidate's scholarly area of expertise. A successful candidate from computer science, for example, might specialize in visual analytics, semantic image processing, semantic web data mining, natural language processing and/or multimedia database management, from political science might have experience in global experimental or survey methodologies in conflict regions, and from communication might bring skills in media analytics or interventions for resolving conflict.

Prospective candidates should bring national or international recognition to the initiative and their home department. The hired applicant must have an established track record of securing external funds, as well as demonstrated ability and interest for recruiting top quality Ph.D. candidates and interdisciplinary research collaborations.

Applicants should send a letter of interest, curriculum vita, and three letters of recommendation to Dr. Carol Winkler, Chair, Search Committee, College of Arts and Sciences, Georgia State University, P.O. Box 4038, Atlanta, GA 30302-4038. GSU is a unit of the University System of Georgia and an AA/EO employer. An offer of employment will be contingent on background verification. Review of applications will begin October 1, 2013 and remain open until the position is filled. For more information contact Carol Winkler (cwinkler@gsu.edu).

HackerRank.com

Open Positions

Problem Curator (part-time or full-time) for Artificial Intelligence/Machine Learning/Computer Vision/ Programming Languages/Functional Programming

Do you have - professional or academic expertise in any of these areas (MS/PhD preferred)

- An interest in helping CS enthusiasts explore these fields
- A sense of excitement in designing programming challenges of a competitive, academic or real-world nature

Email us at: hackers@hackerrank.com

Harvey Mudd College

Computer Science Department

Tenure-Track Assistant Professorships

The Computer Science Department at Harvey Mudd College (HMC) has two tenure-track openings for assistant professors commencing July 1, 2014. HMC is a highly selective undergraduate liberal arts college (770 students) emphasizing science, mathematics, and engineering. HMC is part of the Claremont consortium, which includes five colleges and two graduate schools.

Candidates in all areas of computer science will be considered. Applicants should provide evidence of both excellence in teaching and interest in engaging with undergraduate students in research and industry-sponsored projects. The candidate must be committed to recruiting, teaching, and retaining a broadly diverse student body including, but not limited to, African Americans, Southeast Asian Americans, Hispanic Americans, Native Americans, Pacific Islanders, women, persons with disabilities, and other groups underrepresented in computer science. Candidates from these groups are especially encouraged to apply. All candidates are invited to describe explicitly the nature of their commitment and experience with underrepresented groups.

The Department of Computer Science currently has ten permanent faculty members and serves three major programs (the computer science major, a joint major in computer science and mathematics, and a second joint major in mathematical and computational biology) with a total of more than eighty students in each graduating class.

Among the department's strengths are its success in recruiting women (who comprise 30% of our faculty and 40% of our majors) to computer science, an innovative and rigorous curriculum that prepares students for both employment and graduate school, and an active research program that involves a substantial number of undergraduates. Most classes are relatively small. The teaching load is four courses per year on the semester system and supervision of up to two industry-supported yearlong senior capstone Computer Science Clinic projects. Please visit http://www.cs.hmc.edu for more information about the department and the Clinic program.

Applicants should apply with a cover letter describing their interest in teaching specifically at Harvey Mudd College, a curriculum vita, a statement regarding teaching philosophy and experience, any supporting materials such as teaching evaluations, and a statement of research interests. Concurrently, please request three references to submit letters via using the secure web-based system https://academicjobsonline.org/ajo/jobs/3190. It is desirable that at least one letter address the candidate's potential as a teacher. Applications received by December 15, 2013 will

Professional Opportunities

receive full consideration. Questions about the position can addressed to Professor Robert M. Keller, at cssearch@cs.hmc.edu.

Harvey Mudd College is an Equal Opportunity Employer and is committed to the recruitment of candidates traditionally underrepresented on college faculties.

Hendrix College

Department of Mathematics and Computer Science

Assistant Professor of Computer Science

Hendrix College invites applications to join our Computer Science program in August 2014 as a tenure-track Assistant Professor. The successful candidate will teach five courses annually across the undergraduate curriculum and will sustain a research program involving undergraduate students. A Ph.D. is expected by the start date; research specialty is open.

Application should include a letter addressing the candidate's interest in teaching in a liberal arts environment, a statement of teaching philosophy, a statement of research interests, a curriculum vitae, three letters of recommendation (at least one addressing applicant's potential for teaching excellence), and transcripts of all graduate and undergraduate work. Applications from candidates with an interest in participating in the common freshman course and other interdisciplinary programs, and in using instructional technology where appropriate, will be particularly welcome. For fullest consideration, submit by December 1, 2013.

Applications are being accepted online at: https://academicjobsonline.org/ajo/jobs/3347

Hendrix is a distinguished liberal arts college with an endowment of $181 million, sheltering a chapter of Phi Beta Kappa, located in Conway, Arkansas, thirty miles from Little Rock at the foothills of the Ozark Mountains. The College, related to the United Methodist Church, has a strong commitment to excellence in teaching liberal arts. Hendrix College adheres to the principle of equal educational and employment opportunity without regard to age, race, gender, disability, sexual orientation, or national origin. Further, the College is committed to the maintenance of an atmosphere of civility and respect for all students, faculty, and staff. Please visit the Hendrix College website at www.hendrix.edu, and our departmental website at ozark.hendrix.edu.

Faculty Positions in Computer Science, Computer Security, and Data Science

The School of Informatics and Computing at Indiana University, Bloomington, invites applications for three positions beginning in Fall 2014, in the areas of **Computer Science** (all subareas), **Computer Security**, and **Data Science**. Data science applications are invited from candidates in all areas including data analytics and information extraction; data life cycle; data management, semantics, and infrastructure; data policy and security; data science foundations; and Big Data, including candidates with a record of achievement in industrial research.

Positions are open at all levels. Applicants should have a Ph.D.in the relevant area and a well-established record (senior level) or demonstrable potential for excellence in research and teaching (junior level).

The IU Bloomington School of Informatics and Computing is the first of its kind and among the largest in the country, with unsurpassed breadth. Its mission is to excel and lead in education, research, and outreach spanning and integrating the full breadth of computing and information technology. It includes the Dept. of Computer Science and Informatics and the Dept. of Information and Library Science, which comprise over 85 faculty and 850 graduate students. Its graduate degrees include Master's degrees in Computer Science, Security Informatics, Bioinformatics, Human Computer Interaction Design, Information Science, and Library Science, and Ph.D. degrees in Computer Science, Informatics, and Information Science. It is also known for its strong undergraduate programs.

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

Applicants should submit a CV, a statement of research and teaching, and names of 3 references (junior level) or 6 references (senior level) using the submissions link specific to the position:

http://indiana.peopleadmin.com/postings/373 (for computer science),
http://indiana.peopleadmin.com/postings/374 (for computer security),
http://indiana.peopleadmin.com/postings/375 (for data science)

Or by mail (online applications preferred) to Faculty Search, Informatics and Computing, 919 E 10th St, Bloomington, IN 47408. Questions may be sent to faculty-search14@soic.indiana.edu. To assure full consideration completed applications in Computer Science must be received by November 15, 2013; applications in Computer Security and Data Science must be received by December 1, 2013.

Indiana University is an Equal Opportunity/Affirmative Action employer. Applications from women and minorities are strongly encouraged. IU Bloomington is vitally interested in the needs of Dual Career couples.

Illinois Wesleyan University

Department of Mathematics and Computer Science

Visiting Faculty Member, Computer Science
Beginning Spring 2014

The Department of Computer Science at Illinois Wesleyan University invites applications for a visiting faculty position. The position is for a period of three semesters, beginning in January 2014. The teaching load will be three courses per semester. A graduate degree in Computer Science or Computer Engineering is required; a PhD is preferred. Candidates must be able to teach in the core CS curriculum. Preference may be given to candidates who are able to teach software development or databases.

Illinois Wesleyan University is a highly selective undergraduate university of approximately 2,050 students located in Bloomington, Illinois, a community of about 130,000.

Candidates for the position should submit a letter of application, curriculum vitae, teaching statement, and have three letters of recommendation sent separately to: cssearch@iwu.edu. Review of applications will begin on September 30 and will continue until the position is filled. Questions can be directed to Joerg Tiede, Chair, htiede@iwu.edu.

IWU is an Equal Opportunity Employer Committed to a Diverse Work Force.

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

IMDEA Software Institute

Faculty Positions

The Madrid Institute for Advanced Studies in Software Development Technologies (The IMDEA Software Institute) invites applications for tenure-track (Research Assistant Professor) and tenured (Research Associate Professor and Research Professor) faculty positions. We are primarily interested in recruiting excellent candidates in the areas of

- Software engineering
- Systems
- Cloud computing
- Big data

Professional Opportunities

Exceptional candidates in other areas within the general research focus of the Institute will also be considered.

The primary mission of The IMDEA Software Institute is to perform research of excellence at the highest international level in the area of software development technologies and, in particular, to develop tools and techniques which will allow the cost-effective development of sophisticated software products with high quality, i.e., which are safe, reliable, and efficient.

Selection Process

The main selection criteria will be the candidate's demonstrated ability and commitment to research, the match of interests with the institute's mission, and how the candidate complements areas of established strengths of the institute. All positions require an earned doctoral degree in Computer Science or a closely related area. Candidates for tenure-track positions will have shown excepcional promise in research and will have displayed an ability to work independently as well as collaboratively. Candidates for tenured positions must possess an outstanding research record, have recognized international stature, and demonstrated leadership abilities.

Applications should be completed using the application form at https://careers.imdea.org/software/

For full consideration, complete applications must be received by January 15, 2014 although applications will continue to be accepted until the positions are filled.

Salaries

Salaries at The IMDEA Software Institute are internationally competitive and are established on an individual basis within a range that guarantees fair and attractive conditions with adequate and equitable social security provision in accordance with existing national Spanish legislation. This includes access to an excellent public healthcare system.

Work Environment

The working language at the institute is English. The institute is located in the vibrant area of Madrid, Spain. It offers an ideal working environment, open and collaborative, where researchers can focus on developing new ideas and projects. A generous startup packaged is offered. Researchers are also encouraged to participate in national and international research projects.

The IMDEA Software Institute is an Equal Opportunity Employer and strongly encourages applications from a diverse and international community. The institute complies with the European Charter for Researchers.

Indiana University-Purdue University Indianapolis (IUPUI)

Department of Computer and Information Science

Tenure-track Faculty Positions

The Department of Computer and Information Science at IUPUI invites applications for two (2) tenure track faculty positions at the Assistant or Associate Professor level, beginning August 2014. An applicant must hold a Ph.D. in Computer Science or a closely related field at the time of appointment, and is expected to develop a high-quality externally funded research program and be committed to excellence in teaching undergraduate and graduate students. While we welcome applicants in all areas of computer science to apply, we are especially interested in candidates with expertise in: (1) Big Data related fields, including information retrieval, data visualization, information security and natural language processing; and (2) Computer Science Education Research.

The application should be submitted via email (as PDF files) to the Faculty Search Committee (wittlief@cs.iupui.edu), and must consist of a letter of interest, curriculum vitae, and a statement of research direction and teaching interests. Applicants should also arrange for three letters of recommendation sent directly to the Faculty Search Committee via email. Evaluation of applications will begin on January 15, 2014 and will continue until the positions are filled.

The IUPUI campus, located in downtown Indianapolis, is an urban comprehensive research university with 19 academic schools, including one of the largest medical schools in the nation. IUPUI has a student population in excess of 30,000 and has attracted more than $330 million in research funding in FY 12. The Department of Computer and Information Science offers Purdue University degrees at the Bachelor, Master, and Ph.D levels, with nearly 300 undergraduate majors and 200 graduate students. The Department currently has 14 full time tenure track faculty and 3 full time lecturers.

SCHOOL OF INFORMATICS AND COMPUTING
INDIANA UNIVERSITY
Bloomington

Lecturer Position in Computer Science

The Computer Science Division of the School of Informatics and Computing at Indiana University, Bloomington is accepting applications for up to 2 lecturer positions.

A Master's of Science (MS) degree in Computer Science or a closely related discipline is required. The ability to teach courses in one or more of the following areas is required: introductory programming, C++, Python, Unix, CGI/PHP, C#, Java, Windows, math and logical foundations, introductory security, graphics, and mobile app development. Applicants must have two academic years' experience (may be part-time). In addition, qualified candidates must provide evidence of teaching experience, and they must indicate in their application materials the types of courses that they are prepared to teach. Lecturers are expected to support the teaching mission of the School of Informatics and Computing through excellence in pedagogical practice, service to the school and academic programs, and inquiry into the advancement of pedagogy in computing.

Applicants should submit a letter of application, teaching statement and philosophy (to include types of classes they can teach), and a current CV, and arrange for three letters of reference to be submitted using the submissions link at: http://indiana.peopleadmin.com/postings/573.

Questions may be sent to lecturer-search14@soic.indiana.edu or by mail to CS Lecturer Search Dir of Faculty Admin, School of Informatics & Computing, Indiana University, 150 S. Woodlawn Ave, Lindley Hall Room 215, Bloomington, IN 47405.

Applications received by Nov. 1, 2013 will be given full consideration. Starting date can be as early as January 2014. The search will remain open until the positions are filled.

Indiana University is an equal opportunity/affirmative action employer committed to excellence through diversity. The University actively encourages applications of women, minorities, and persons with disabilities.

Professional Opportunities

The CIS faculty members are committed to high quality research and teaching, with research foci on data mining, imaging/visualization, distributed computing, and networking/network security. Faculty research programs are well funded by NSF (including several CAREER awards in recent years), NIH, NASA, NIJ and DoD. For further information about the Department, please visit http://www.cs.iupui.edu.

IUPUI is an EEO/AA Employer, M/F/D. We are committed to achieving excellence through diversity. Applications and nominations of women, persons of color, applicants with disabilities, and members of other under-represented groups are desired.

INSEAD

Decision Sciences Area

Faculty Positions

The Decision Sciences area at INSEAD invites applications for faculty positions (all ranks). We invite applicants from top engineering and business schools with research interest in areas that include, but not limited to, data analytics, risk management, decision analysis, pricing and revenue management. Interested candidates should send a cv, research statement, representative papers, and three recommendation letters by e-mail to Cécile GIRARDON "cecile.girardon@insead.edu".

INSEAD is a top-ranked international business school with campuses in France, Singapore, and Abu Dhabi, and offers salaries and benefits competitive with top US business schools. Research excellence is an essential criterion for hiring and promotion at INSEAD. Candidates for junior level appointments must demonstrate the potential for original research leading to publications in top academic journals. Candidates for associate or higher level appointments should have an established record of research excellence, as evidenced by publications in top academic journals. The typical teaching load at INSEAD is comparable to other top US business schools. Course topics include, but not limited to, applied statistics, data analytics, decision modelling, and risk management.

Johns Hopkins University

Department of Computer Science

Full-Time Teaching Position

The Department of Computer Science at Johns Hopkins University seeks highly qualified candidates for a full-time teaching position. This is a career-oriented, renewable appointment that is responsible for developing and delivering courses primarily to undergraduate students both within and outside the major. Teaching faculty are also encouraged to engage in departmental and university service and may have advising responsibilities. Opportunities to teach graduate level courses may also be available, depending on the candidate's background. Extensive grading support is given to all instructors. The university has instituted a non-tenure track career path for full-time teaching faculty culminating in the rank of Teaching Professor. (For details see http://sites.jhu.edu/council/teachfac.html.)

FACULTY POSITIONS IN COMPUTER SCIENCE

جامعة الملك عبدالله للعلوم والتقنية
King Abdullah University of Science and Technology

The Computer Science Program in the Computer, Electrical, and Mathematical Sciences and Engineering Division at King Abdullah University of Science and Technology (KAUST) invites applications for faculty positions at all ranks (Assistant, Associate, and Full Professors).

KAUST is an international, graduate research university dedicated to advancing science and technology through interdisciplinary research, education, and innovation. Located on the shores of the Red Sea in Saudi Arabia, KAUST offers superb research facilities, and internationally competitive salaries. The university attracts top international faculty and students to conduct fundamental and goal-oriented research to address the world's pressing scientific and technological challenges.

Areas of interest are:

- Artificial Intelligence
- Data Management and Big Data: Storing, indexing and querying very large datasets using large parallel and distributed computing systems; mining and knowledge extraction from very large data
- Large Scale Data Mining and Knowledge Extraction
- Parallel and Distributed Systems
- Visual Computing (including but not limited to Visualization and Physics-based simulation)
- Bioinformatics and all related subfields (e.g. Computational Genomics, Synthetic Biology, Biological Networks)
- High Performance Computing
- Operating Systems

Further information can be obtained by visiting **http://apptrkr.com/399028**
Applicants should have a proven track record, relevant PhD degree, as well as the ability to establish a high impact research program and demonstrate commitment to teaching at the graduate level.

How to Apply:
You will be required to complete a brief application form and upload a single PDF file including:

- Complete curriculum vitae with a list of publications
- Research plan
- Statement of teaching interests
- Names and contact information for at least three references for an Assistant Professor position
- List with the names and affiliation of potential referees for Associate Professor and Full Professor positions

Applications received by **January 15, 2014** will receive full consideration and positions will remain open until filled.

Professional Opportunities

Johns Hopkins is a private university well known for its commitment to academic excellence and research. The Computer Science department is one of nine academic departments in the Whiting School of Engineering. We are located in Baltimore, MD in close proximity to Washington, DC and Philadelphia, PA. See the department web pages at http://www.cs.jhu.edu for additional information about the department, including undergraduate programs and current course descriptions.

Applicants for the position must have a Ph.D. in Computer Science or a closely related field, demonstrated excellence in and commitment to teaching, and excellent communication skills. The Department is committed to building a diverse educational environment. Women and minorities are especially encouraged to apply. Applicants should apply using the check online application. Applications will be evaluated on a rolling basis. Questions should be directed to fsearch@cs.jhu.edu. The Johns Hopkins University is an EEO/AA employer.

Faculty Search
Department of Computer Science
Room 224 New, Engineering Building
Johns Hopkins University
Baltimore, MD 21218-2694
Fax: 410-516-6134
Phone: 410-516-8775
fsearch@cs.jhu.edu
http://www.cs.jhu.edu/apply

The Johns Hopkins University

Department of Computer Science

Tenure Track Positions

With the anticipated opening of our new building, Malone Hall, the Department of Computer Science at The Johns Hopkins University is planning to continue our substantial multi-year growth. We solicit applications for tenure track positions at all levels. The search is open to all areas of Computer Science. On behalf of the Johns Hopkins Information Security Institute (JHUISI), we particularly encourage applicants with an interest in Cryptography, Systems and Network Security, Cloud and Mobile Security, and Health-Related Applications Security to apply. Applicants in systems and networking are also strongly desired.

All applicants must have a Ph.D. in Computer Science or a related field and will be expected to establish a strong, independent, multidisciplinary, internationally recognized research program. Commitment to quality teaching at the undergraduate and graduate levels is required. The department is committed to building a diverse educational environment; women and minorities are especially encouraged to apply.

A more extensive description of our search and additional supporting information can be found at http://www.cs.jhu.edu/Search2014. More information on the department is available at http://www.cs.jhu.edu.

Applicants should apply using the online application which can be accessed from http://www.cs.jhu.edu/apply. Applications should be received by

December 15, 2013 for full consideration. Questions should be directed to fsearch@cs.jhu.edu. The Johns Hopkins University is an EEO/AA employer.

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http://www.cs.jhu.edu/apply

The Johns Hopkins University (JHUISI)

The Information Security Institute

Faculty Positions

The Information Security Institute at The Johns Hopkins University (JHUISI) is planning for substantial multi-year growth in the area of Information Security and Cryptography. Our administration is committed at the highest level to substantially growing our security program with multiple, concurrent tenure-track offers expected this year, at all levels. We particularly encourage candidates with research interests in Cryptography, Systems and Network Security, Cloud and Mobile Security, and Health-Related Applications Security. As one of the first university centers in the country, we are poised now for significant growth and are looking for several new faculty members to help us achieve that.

All applicants must have a Ph.D. in Computer Science or a related field and will be expected to establish a strong, independent, multidisciplinary, internationally recognized research program. Commitment to quality teaching at the undergraduate and graduate levels is required. The department is committed to building a diverse educational environment; women and minorities are especially encouraged to apply.

A more extensive description of our search and additional supporting information can be found at http://www.cs.jhu.edu/Search2014. More information on the department is available at http://www.cs.jhu.edu.

Applicants should apply using the online application which can be accessed from http://www.cs.jhu.edu/apply. Applications should be received by

December 15, 2013 for full consideration. Questions should be directed to fsearch@cs.jhu.edu.

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http://www.cs.jhu.edu/apply

Lake Forest College

Mathematics and Computer Science

Assistant Professor of Computer Science

The Department of Mathematics and Computer Science invites applications for a tenure-track position in Computer Science at the assistant professor level. Beginning in the fall 2014 semester, the position requires a Ph.D. in Computer Science or evidence that all Ph.D. requirements will be completed by Fall 2014. Successful applicants will be able to teach computer science courses across our curriculum – introductory courses and upper-level electives – and will exhibit potential for a sustained research career and a willingness to foster undergraduate research.

A highly selective liberal arts college located on Chicago's North Shore, Lake Forest College enrolls approximately 1,500 students from over 47 states and 78 countries. At Lake Forest College, the quality of a faculty member's teaching is the most important criterion for evaluation. The College also expects peer-reviewed publications and active participation in the College community. Lake Forest College embraces diversity and encourages applications from women and other members of historically underrepresented groups.

Applications should include a letter of application and CV that includes documentation of teaching experience. Applicants must also arrange to have three letters of reference sent separately. All materials should be e-mailed to cssearch@lakeforest.edu and may be addressed to Professor Craig Knuckles, Search Committee Chair. Review of applications will begin on 12/01/2013.

Lehigh University

Department of Computer Science and Engineering

Assistant or Associate Professor

Applications are invited for a tenure-track position at the Assistant or Associate Professor level in the Computer Science and Engineering Department (http://www.cse.lehigh.edu) of Lehigh University to start in August 2014. Outstanding candidates in all areas of computer science will be considered, with priority given to candidates with a research focus in either Data Mining or Cybersecurity, both defined broadly.

Professional Opportunities

Lehigh University is a private, highly selective institution that is consistently ranked among the top 40 national research universities by U.S. News & World Report. The faculty of the Computer Science and Engineering department includes ACM and IEEE fellows and NSF CAREER award winners. We offer a variety of undergraduate and graduate degree programs in Computer Science and Computer Engineering. Located in Bethlehem, Pennsylvania, Lehigh is 80 miles west of New York City and 50 miles north of Philadelphia, providing an accessible and convenient location that offers an appealing mix of urban and rural lifestyles.

Applications can be submitted online at https://academicjobsonline.org/ajo/jobs/3051 and should include a cover letter, vita, both teaching and research statements, and contact information for at least three references. Review of applications will begin December 1, 2013 and will continue until the position is filled.

Lehigh University is an Equal Opportunity/Affirmative Action Employer and provides comprehensive benefits including domestic partner benefits (see also http://www.lehigh.edu/worklifebalance/).

Massachusetts Institute of Technology

Faculty Positions

The Department of Electrical Engineering and Computer Science (EECS) seeks candidates for faculty positions starting in September 2014. Appointment will be at the assistant or untenured associate professor level. In special cases, a senior faculty appointment may be possible. Faculty duties include teaching at the undergraduate and graduate levels, advising students, conducting original scholarly research, supervising student research, and developing course materials at the graduate and undergraduate levels. We will consider candidates with backgrounds and interests in any area of electrical engineering and computer science. Faculty appointments will commence after completion of a doctoral degree.

Candidates must register with the EECS search website at https://eecs-search.eecs.mit.edu, and must submit application materials electronically to this website. Candidate applications should include a description of professional interests and goals in both teaching and research. Each application should include a curriculum vita and the names and addresses of three or more individuals who will provide letters of recommendation. Letter writers should submit their letters directly to MIT, preferably on the website or by mailing to the address below. Please submit a complete application by December 1, 2013.

Send all materials not submitted on the website to:

Professor Anantha Chandrakasan
Department Head, Electrical Engineering and Computer Science
Massachusetts Institute of Technology
Room 38-401
77 Massachusetts Avenue
Cambridge, MA 02139

M.I.T. is an equal opportunity/affirmative action employer.

Max Planck Institute for Software Systems

Postdoc Position

The Max Planck Institute for Software Systems (MPI-SWS) has multiple openings for Postdoctoral Fellows in the areas of Programming Languages & Verification, Distributed & Mobile Systems, Real-time & Embedded Systems, Security & Privacy, Natural Language Processing, and Social Computing.

Postdoctoral Fellows have the opportunity to work with MPI-SWS faculty on existing lines of research, as well as develop their own research agenda under MPI-SWS faculty supervision. Former Postdoctoral Fellows have moved on to take permanent position at top universities and research laboratories world-wide, including Yale, Telecom Paristech, Microsoft Research and INRIA.

MPI-SWS is a publicly funded academic research institution focused on problems of fundamental importance in the broad area of software systems. The institute currently has 11 faculty and about 45 doctoral and postdoctoral researchers, and continues to grow. MPI-SWS is located in Kaiserslautern and Saarbruecken, Germany, in the tri-border area of Germany, France, and Luxembourg. The area offers a high standard of living, beautiful surroundings, and easy access to major metropolitan areas in central Europe.

Interested applicants should see the secure application form at: https://apply.mpi-sws.org

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

Max Planck Institute for Software Systems

Tenure-track / Tenured Positions

Applications are invited for tenure-track and tenured faculty positions in all areas related to the study, design, and engineering of software systems. These areas include, but are not limited to, security and privacy, embedded and mobile systems, social computing, large-scale data management and machine learning, programming languages and systems, software verification and analysis, parallel and distributed systems, storage systems, and networking.

A doctoral degree in computer science or related areas and an outstanding research record are required. Successful candidates are expected to build a team and pursue a highly visible research agenda, both independently and in collaboration with other groups. Senior candidates must have demonstrated leadership abilities and recognized international stature.

MPI-SWS, founded in 2005, is part of a network of eighty Max Planck Institutes, Germany's premier basic research facilities. MPIs have an established record of world-class, foundational research in the fields of medicine, biology, chemistry, physics, technology and humanities. Since 1948, MPI researchers have won 17 Nobel prizes. MPI-SWS aspires to meet the highest standards of excellence and international recognition with its research in software systems.

To this end, the institute offers a unique environment that combines the best aspects of a university department and a research laboratory:

- Faculty receive generous base funding to build and lead a team of graduate students and post-docs. They have full academic freedom and publish their research results freely.
- Faculty supervise doctoral theses, and have the opportunity to teach graduate and undergraduate courses.
- Faculty are provided with outstanding technical and administrative support facilities as well as internationally competitive compensation packages.

Assistant / Associate Professor Social Media / Computing

We invite applications for a tenure-track faculty position at the rank of assistant or associate professor in the area of social media and/or social computing, with an emphasis on innovative social media and/or social computing practices, applications, and/or effects.

For a complete position announcement and information on how to apply please visit **https://jobs.msu.edu**, posting number **8346**.

MICHIGAN STATE UNIVERSITY

MSU is committed to achieving excellence through cultural diversity. The University actively encourages applications and/or nominations of women, persons of color, veterans and persons with disabilities.

MSU is an Affirmative Action, Equal Opportunity Employer.

Professional Opportunities

Michigan Tech

Department Chair

Michigan Technological University invites applications and nominations for the position of Chair of the Department of Computer Science to begin in the 2014-2015 academic year. We seek an individual with the vision and leadership skills to elevate the department's prominence in computer science research, further our strong tradition of educational excellence, and grow our graduate programs.

About the department: One of 10 departments in the College of Sciences and Arts, the department has 18 faculty, including 14 full-time faculty (three of whom have received NSF CAREER awards), two faculty with joint appointments, and two lecturers. Faculty research interests include architecture, artificial intelligence, compilers, distributed systems, embedded systems, graphics, human computer interaction, machine learning, parallel computing, scientific visualization, software engineering, and virtual environments. Faculty engage in interdisciplinary research and collaborate with faculty in departments such as Electrical and Computer Engineering, Civil and Environmental Engineering, Cognitive and Learning Sciences, Humanities, Mathematical Sciences, Mechanical Engineering, Physics, and the Schools of Technology and Forest Resources & Environmental Science. Major external research funding sources include NSF, DoD, and NASA. Several faculty also collaborate with industrial partners and have funding from Agere, AMD, Chrysler, and LSI.

The Computer Science Department has 350 undergraduate majors in three BS degree programs, Computer Science, Computer Systems Science, and Software Engineering. The department's graduate program currently has 12 MS and 25 PhD students. The department plays an active role in the interdisciplinary Computational Science and Engineering PhD program, which fosters research in the application of computer science to engineering and scientific problems. The department supports instruction in BS degree programs such as Computer Engineering, Bioinformatics, Service Systems Engineering, Math-Business Analytics, and Cheminformatics. The department has particularly close ties to the department of Electrical and Computer Engineering in the College of Engineering through joint appointments as well as significant faculty participation by both departments in the activities of the Paul & Susan Williams Center for Computer Systems Research.

The department's specific goals include:

- increasing the quality, size, and stature of its graduate programs,
- increasing the stature of and funding for its research programs, especially in terms of interdisciplinary opportunities,
- maintaining excellence in undergraduate education,
- attracting and retaining high quality and diverse students and faculty, and
- strengthening relationships with industry and alumni, as well as with other academic units on campus.

Rekhi Hall houses the department's graduate student and faculty offices, research and instructional labs, and classrooms. The faculty also have access to a campus-wide high performance computing platform as well as interdisciplinary research labs located in newly constructed Great Lakes Research Center.

Qualifications: A candidate is expected to have a professional record of accomplishments commensurate with the rank of full professor at Michigan Tech, including an active research program, a record of funding, graduated PhD students and high quality publications. A candidate must have demonstrated administrative, supervisory, or leadership experience and have good interpersonal skills. It is also desirable for the candidate to have experience with faculty development.

About Michigan Tech: Michigan Tech is one of four major research universities in the state. The University is located in Houghton near Lake Superior in Michigan's scenic Upper Peninsula. The community offers four-season recreational activities and world-class cultural events in a beautiful setting. This environment, combined with a competitive compensation package, provides an excellent quality of life.

The University has approximately 7,000 students and 412 faculty with educational and research pro- grams that emphasize technological problems in all aspects of life, ranging from traditional scientific and engineering disciplines to Humanities and Fine Arts. In 2013, the University has been rated one of the best Universities in Midwest for the third year in a row, according to the Princeton Review. Michigan Tech is ranked 57th among national public universities by the 2014 U.S. News & World Report rankings. Michigan Tech is named a Military Friendly School and Washington Monthly Magazine ranked Michigan Tech 63rd overall, making Michigan Tech third among five Michigan universities listed in the top 100.

Michigan Tech is an ADVANCE institution, one of a limited number of universities in receipt of NSF funds in support of the University's commitment to increase diversity and the participation and advancement of women in STEM. Michigan Tech acknowledges the importance of supporting dual career partners in attracting and retaining a quality workforce. Michigan Tech is committed to offering career exploration advice and assistance whenever feasible and appropriate at the University and in the local community. See www.dual.mtu.edu for additional information.

Michigan Technological University is an equal opportunity educational institution/equal opportunity employer.

How to Apply: Applications must include a vita, list of 4-8 references, research statement, statement of your administrative philosophy, and a cover letter that includes a vision statement for the department. The review of applications will begin December 15, 2013; applications will be accepted until the position is filled. Applications must be sent electronically to cschairsearch-13@mtu.edu. To learn more about this opportunity, please visit: http://www.cs.mtu.edu or contact:

Dr. Jean Mayo, Search Committee Chair
Department of Computer Science
Michigan Technological University
1400 Townsend Drive
Houghton, MI 49931-1295
Email: cschairsearch-13@mtu.edu

Professional Opportunities

MPI-SWS currently has 10 tenured and tenure-track faculty and 40 doctoral and post-doctoral researchers. The institute is funded to support 17 faculty and up to 100 doctoral and post-doctoral positions. Additional growth through outside funding is possible. We maintain an open, international and diverse work environment and seek applications from outstanding researchers regardless of national origin or citizenship. The working language is English; knowledge of the German language is not required for a successful career at the institute.

The institute is located in Kaiserslautern and Saarbruecken, in the tri-border area of Germany, France and Luxembourg. The area offers a high standard of living, beautiful surroundings and easy access to major metropolitan areas in the center of Europe, as well as a stimulating, competitive and collaborative work environment. In immediate proximity are the MPI for Informatics, Saarland University, the Technical University of Kaiserslautern, the German Center for Artificial Intelligence (DFKI), and the Fraunhofer Institutes for Experimental Software Engineering and for Industrial Mathematics.

Qualified candidates should apply online at https://apply.mpi-sws.org The review of applications will begin on December 15, 2013, and applicants are strongly encouraged to apply by that date; however, applications will continue to be accepted through January 2014.

The institute is committed to increasing the representation of minorities, women and individuals with physical disabilities in Computer Science. We particularly encourage such individuals to apply. You can find more information about the positions at: http://www.mpi-sws.org/index.php?n=careers/tenure-track

McGill University

School of Computer Science

Tenure-Track Position

The School of Computer Science at McGill University invites applications for a tenure-track position at the assistant professor level, to begin August 1, 2014 in the area of data mining with particular emphasis on "big data," text analysis and unstructured data.

Complete applications, including a curriculum vitae, a list of publications with copies of at least two sample reprints, a research statement as well as a teaching statement, and the names and email addresses of three references should be sent as one or more PDF files to datamining@cs.mcgill.ca.

Applications will be reviewed as soon as they are received. Applications received before January 6th, 2014 are assured full consideration.

The School of Computer Science offers a collegial environment with opportunities for interaction with world class researchers in areas including, but not limited to: machine learning, computer games development, discrete mathematics, mobile robotics, computer vision, appearance modeling, bioinformatics, cryptography and quantum computing. For further information on the School, see: http://www.cs.mcgill.ca.

McGill University is committed to equity in employment and diversity. It welcomes applications from indigenous peoples, visible minorities, ethnic minorities, persons with disabilities, women, persons of minority sexual orientations and gender identities and others who may contribute to further diversification. All qualified applicants are encouraged to apply; however, in accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada.

Miami University

Department of Computer Science and Software Engineering

Two Assistant or Associate Professor

The Department of Computer Science and Software Engineering at Miami University in Oxford, Ohio invites applications for two tenure-track faculty positions at the Assistant or Associate Professor levels. Outstanding applicants in all areas are encouraged to apply. Screening of applications will begin December 1, 2013

Required are an earned doctorate in computer science, software engineering, computer engineering or a related field and the ability to teach courses in computer science and/or software engineering.

Applicants for the associate level must have a proven track record in research, scholarly activity, teaching, and service.

Desired qualifications at the assistant levels are research experience in the area of software engineering or computer science, and experience teaching in higher education. Preference will be given to applicants with research experience in one of the following areas: software engineering, security, database systems, and mobile computing. Applicants for an associate level position should be able to show evidence of both success in research and quality teaching.

Applicants should apply though https://academicjobsonline.org/ajo/jobs/3223.

For more information: http://miamiOH.edu/cse-faculty-search/, or inquire by email at: cse.search@miamiOH.edu.

Miami University is an EOE/AA employer. For information on campus crime, fires, and safety see http://www.MiamiOH.edu/campus-safety/annual-report/index.html.

Michigan State University

Computer Science & Engineering

Teaching Line Position

The Department of Computer Science and Engineering at Michigan State University invites applications for a teaching position, classified as a "Specialist" (non-tenure track), for CSE 101, an introductory computing foundations service course at MSU. The successful candidate will join a motivated team with a track record in innovative course development, delivery and assessment. Those interested in teaching methods and pedagogy are especially encouraged to apply. The appointment will be a fixed term, 100% time for a one-year period, with renewal each year according to performance and budget. This is a nine-month (academic) appointment and salary is dependent on educational background and experience. Additional opportunity exists for summer salary compensation.

Responsibilities for this position include, with a co-instructor, course leadership and management, ongoing curriculum development and delivery, and teaching of CSE 101. In each regular semester, there are approximately 1,800 students from all majors across the university enrolled in the course. The position also requires management, training and supervision of graduate teaching assistants who lead the majority of course sections and undergraduate teaching assistants who assist with course delivery and coordinating laboratory sections. This position is largely course management and teaching, with limited or no research content. Applicants for the position must have an advanced degree in Computer Science or related area with substantial teaching or industrial experience. Experience with management of teams is

Tenure-Track Assistant or Associate Professor of Games

The Department of Telecommunication, Information Studies, and Media at Michigan State University is seeking an innovative, dynamic individual to fill a full-time, tenure stream position at the assistant or associate professor level in the field of games. For additional information and to submit an application, go to the Michigan State University Employment Opportunities website **https://jobs.msu.edu** and search for **posting #8338**

MICHIGAN STATE UNIVERSITY

MSU is committed to achieving excellence through cultural diversity. The University actively encourages applications and/or nominations of women, persons of color, veterans and persons with disabilities.

MSU is an Affirmative Action, Equal Opportunity Employer.

Professional Opportunities

desirable. Review of applications will begin November 11, 2013. However, applications will be accepted until the position is filled.

As a unit within the College of Engineering at Michigan State University, the Department of Computer Science and Engineering offers the Bachelor of Science, Master of Science, and Doctor of Philosophy degrees. The Department currently has 26 tenure-stream faculty, 2 teaching specialists and an enrollment of approximately 150 graduate students and 550 undergraduates. For additional information regarding CSE 101 see the course pages for CSE 101 at http://cse101.cse.msu.edu/.

Michigan State University enjoys a park-like campus of 2,100 developed acres and 3,100 acres of outlying research facilities and natural areas.

The campus is adjacent to the cities of East Lansing and the capital city, Lansing. The Greater Lansing area has approximately 250,000 residents. The communities have excellent school systems and place a high value on education.

Applicants should send a letter of intent, resume, the names of three references, and a statement of teaching interests to:

Faculty Search Committee
Department of Computer Science and Engineering
Engineering Building
428 S. Shaw Lane, Rm. 3115
Michigan State University
East Lansing, Michigan 48824-1226

For additional information about the Department, College, and the University, see http://www.cse.msu.edu/.

Michigan State University is an Equal Opportunity/ Affirmative Action employer and handicappers have the right to request and receive reasonable accommodations.

Middle Tennessee State University

Department of Computer Science

Tenure-Track Assistant/Associate Professor

The Department of Computer Science at MTSU (http://www.mtsu.edu/csc/) invites applications for an assistant/associate professor tenure-track position beginning August 1, 2014. Applicants must hold a doctorate degree in computer science or related field by appointment date. The position requires a commitment to excellence in both research and teaching. The successful applicant must be willing to teach both undergraduate and graduate courses.

The Department offers both BS and MS degrees and has close ties with the Computational Sciences PhD Program. The BS concentration in Professional Computer Science program is accredited by the computing Accreditation Commission of ABET, http://www.abet.org, and the BS business applications concentration is not accredited. There are ~400 undergraduate and graduate majors.

MTSU is a Carnegie classified Doctoral/Research University (DRU) with over 25,000 students, and is located 35 miles south of Nashville in Murfreesboro, TN.

Apply at https://mtsujobs.mtsu.edu/. Include curriculum vita, statement of teaching philosophy, and research statement. Original letters of recommendation, specific to the position, and official transcripts (not issued to student) of all degrees required for on-campus interview. Inquiries to Dr. Suk Seo (suk.seo@mtsu.edu), Dept. of Computer Science, MTSU Box 48, 1301 E. Main St., Murfreesboro, TN 37132. Application review begins October 28, 2013 and continues until position is filled. Call 615-898-5128 for application process questions.

EO/AA Employer.

Mount Holyoke College

Computer Science Department

Tenure-track Assistant Professor position, to begin Fall 2014

The Mount Holyoke College Computer Science Department invites applications for a tenure-track Assistant Professor position, beginning Fall 2014. We seek a computer scientist with a strong commitment to undergraduate teaching, along with close interaction and mentoring of undergraduate students, and to the development of an active research program allowing undergraduate involvement. Preference will be given to candidates with research in: interactive multimedia, graphics, computer vision, human computer interaction, data management or data visualization, though strong candidates in other areas will also be considered. We are particularly interested in candidates who want to do interdisciplinary research. Candidates must have (or expect) a Ph.D. in computer science or a related field by September 2014. Prior teaching experience is required.

Review of applications will begin January 2 and continue until the position is filled. Application documents may be submitted online at http://jobsearch.mtholyoke.edu.

For more information about what to include in the application materials, see: https://www.mtholyoke.edu/sites/default/files/deanoffaculty/docs/CSTT2014-2015.pdf.

Mount Holyoke is an undergraduate liberal arts college for women with approximately 2,300 students and 220 faculty. Half of the faculty are women; one fifth are persons of color. The College is located about 80 miles west of Boston in the Connecticut River Valley and is a member of the Five College Consortium consisting of Amherst, Hampshire, Mount Holyoke, and Smith Colleges and the University of Massachusetts. The College is committed to fostering multicultural diversity and awareness in its faculty, staff and student body and is an Equal Opportunity Employer. Women and persons of color are especially encouraged to apply.

National University of Singapore

Head, Department Of Computer Science

The National University of Singapore (NUS) (www.nus.edu.sg) invites applications and nominations for the position of Head, Department of Computer Science.

NUS is a highly ranked research university with, intensive international collaborations, broad research funding avenues, and excellent facilities. The Departments of Computer Science and Information Systems constitute the School of Computing (SOC) which is one of the 16 faculties in NUS.

The CS Department (www.comp.nus.edu.sg/cs/) has around 70 faculty members representing all the major areas of computer science. The faculty's research is well represented at prestigious international conferences and journals, and they serve on many program committees and editorial boards. The department also has a thriving graduate school and it attracts the best students (undergraduate and graduate) in the region.

The University seeks to appoint a distinguished scholar with significant academic leadership record as the Head of Department. The accomplishments and stature of the candidate should entail her/him to a tenured professorship at NUS. The Head will lead the Department in all administrative and academic matters including strategic planning and fostering inter-faculty academic programs and research.

NUS offers highly competitive salaries and generous benefits. Singapore provides a vibrant international environment with world-class health care, excellent infrastructure, and very low taxes.

Please send your applications and nominations by **8 November 2013** to the Chair of the CS Head Search Committee: Prof. Chua Tat Seng at cshodrec@comp.nus.edu.sg. The preferred start date for the appointment is July 1, 2014.

National University of Singapore

Multiple Tenure-Track Faculty Positions

The Department of Computer Science, National University of Singapore (NUS), has openings for several tenure-track faculty positions. Our main focus is on candidates at the Assistant Professor level with research interests in the following areas:

- Cyber-physical systems
- Big data analytics
- Security
- Sensor data modelling and learning

These areas are to be viewed in a broad sense, and we are particularly interested in candidates whose research interests cut across these and related areas. We seek candidates demonstrating excellent research

Professional Opportunities

potential and a strong commitment to teaching. We will also seriously consider exceptional candidates in other areas of computer science. Further, we will consider candidates at senior ranks (Associate and Full Professor) who have an outstanding record of research accomplishments.

We are an internationally top-ranked department with low teaching loads, excellent facilities, and intensive external collaborations. Significant funding opportunities abound for strong candidates. The research of the faculty covers all the major areas of computer science and is well represented at prestigious international conferences and journals. The department has a thriving PhD programme and it actively strives to attract the best students from the region and beyond. More information can be found at http://www.comp.nus.edu.sg/.

NUS offers highly competitive salaries and generous benefits, while Singapore provides a vibrant international environment with world-class health care, excellent infrastructure, a warm climate and low taxes.

Interested candidates are invited to send, via electronic submission, the following materials to the Chair of the CS Search Committee, Prof. P.S. Thiagarajan, at csrec@comp.nus.edu.sg.

- Cover letter
- Curriculum Vitae
- A teaching statement
- A research statement
- Contact information for at least three references

Applications will be reviewed as they are received and will continue until the positions are filled. However, to ensure maximal consideration applicants are encouraged to submit their materials by December 15, 2013.

New Mexico State University

Computer Science Department

Tenure-Track Position

The Computer Science Department at New Mexico State University invites applications for a tenure-track position at the *Assistant Professor* level, with appointment starting in the Fall 2014 semester. We are seeking strong candidates with research expertise that can effectively complement the research foci of the department; we are particularly interested in expertise in the areas of High Performance Computing (HPC) and/or Big Data. Applications from women, members of traditionally under-represented groups, and other individuals interested in contributing to the diversity and excellence of the academic community are strongly encouraged. Salary and start-up package will be competitive and commensurate with qualifications and experience.

For the full position announcement and information about qualifications and application procedures, please visit: http://www.cs.nmsu.edu/~epontell/position2013.html.

New York University/Courant Institute of Mathematical Sciences

Department of Computer Science

Faculty Positions

The department expects to have several regular faculty positions beginning in September 2014 and invites candidates at all levels. We will consider outstanding candidates in any area of computer science.

Faculty members are expected to be outstanding scholars and to participate in teaching at all levels from undergraduate to doctoral. New appointees will be offered competitive salaries and startup packages, with affordable housing within a short walking distance of the department. New York University is located in Greenwich Village, one of the most attractive residential areas of Manhattan.

The department has 35 regular faculty members and several clinical, research, adjunct, and visiting faculty members. The department's current research interests include algorithms, cryptography and theory; computational biology; distributed computing and networking; graphics, vision and multimedia; machine learning; natural language processing; scientific computing; and verification and programming languages.

Collaborative research with industry is facilitated by geographic proximity to computer science activities at AT&T, Google, IBM, Bell Labs, NEC, and Siemens.

Please apply at https://cs.nyu.edu/webapps/facapp/register.

To guarantee full consideration, applications should be submitted no later than December 1, 2013; however, this is not a hard deadline, as all candidates will be considered to the full extent feasible, until all positions are filled. Visiting positions may also be available.

New York University is an equal opportunity/affirmative action employer.

North Carolina State University

Department of Computer Science

Faculty Position

The Department of Computer Science at North Carolina State University (NCSU) seeks to fill a tenure-track faculty position in the areas of Security and Systems starting August 16, 2014.

Successful security or systems candidate must have a strong commitment to academic and research excellence, and an outstanding research record commensurate with the expectations of a major research university. Required credentials include a doctorate in Computer Science or a related field. While the department expects to hire at the Assistant Professor level, candidates with exceptional research records are encouraged to apply for a senior position. The department is one of the largest and oldest in the country. It is part of a top US College of Engineering, and has excellent and extensive ties with industry and government laboratories.). We have new institutes and centers in the domain of security, education informatics, and games. Department's research expenditures and recognition have been growing steadily as has the recognition of our impact in the areas of security, systems, software engineering, educational informatics, networking, and games. For example, we have one of the largest concentrations of NSF Early Career Award winners (24 of our current or former faculty have received one).

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

Applications will be reviewed as they are received. The positions will remain open until suitable candidates are identified. Applicants are encouraged to apply by January 15, 2014. Applicants should submit the following materials online at http://jobs.ncsu.edu (reference position number **00001074**) cover letter, curriculum vitae, research statement, teaching statement, and names and complete contact information of four references, including email addresses and phone numbers. Candidates can obtain information about the department and its research programs, as well as more detail about the position advertised here at http://www.csc.ncsu.edu/. Inquiries may be sent via email to: security-systems-search@csc.ncsu.edu.

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

Northeastern University Boston, Massachusetts

Three Tenure-Track Faculty Positions

The College of Computer and Information Science invites applications for at least three tenure-track faculty positions, beginning in Fall 2014. Applicants at all ranks will be considered. A PhD in Computer

Professional Opportunities

Science, Information Science or a related field by the start date is required.

Candidates will be considered from all areas in Computer and Information Science. We particularly welcome candidates with research interests in data-intensive computing (e.g., machine learning, databases, and data mining), graphics, security, and software engineering. Candidates are expected to have or to develop an independently funded research program of international caliber and participate in undergraduate and graduate teaching.

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

The College has a diverse full-time faculty of 44, and offers a broad array of educational opportunities to students. Since 2010, the College has hired 23 outstanding faculty members, and plans to continue this strategic growth in the coming years. In addition to Bachelor's, Master's, and PhD programs in the computing discipline, the College offers several innovative undergraduate and graduate degree programs that combine computing with an important application domain. Eleven faculty members have joint appointments with other academic departments, including Electrical and Computer Engineering, Art and Design, Health Sciences, Physics, and Political Science. The College has 685 undergraduates, 759 Masters, and 108 Ph.D. students.

Northeastern University is home to 20,000 students and to the nation's premier cooperative education program. The past decade has witnessed a dramatic increase in Northeastern's international reputation for research and innovative educational programs. A heightened focus on interdisciplinary research and scholarship is driving a faculty hiring initiative at Northeastern, advancing its position amongst the nation's top research universities. The College has been a major participant in this initiative and will continue the efforts this year, with additional interdisciplinary searches ongoing in related areas. For more information about the College, please visit http://www.ccs.neu.edu. Northeastern University is located on the Avenue of the Arts in Boston's historic Back Bay. The College occupies a state of the art building opposite Boston's Museum of Fine Arts.

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

Screening of applications begins immediately. For full consideration, application materials should be received by December 1, 2013. However, applications will be accepted until the search is completed.

Northeastern University is an Equal Opportunity/ Affirmative Action Employer. We particularly encourage applications from women and underrepresented minorities.

Northern Arizona University

Applied Linguistics in the Department of English

Post-doctoral scholar

Description:

Applications are invited for a full-time postdoctoral position in computational linguistics/automated speech recognition through the Department of English at Northern Arizona University, Flagstaff. This project will focus on extracting intonation features applicable to automated speech systems and develop algorithms to measure the degree of nativeness of accented speech.

For the complete job announcements and directions on how to apply for this opening, visit ((ID#600539):

https://hr.peoplesoft.nau.edu/psp/ph90prta/EMPLOYEE/HCM/c/HRS_HRAM.HRS_CE.GBL?Page=HRS_CE_HM_PRE&Action=A&SiteId=1

Oakland University

Computer Science and Engineering Department

Tenure-track Faculty Positions

The Department of Computer Science and Engineering needs to fill two tenure-track assistant professor positions. Both positions will begin on August 15, 2014. Applicants must have completed a Ph.D. in Computer Science, Information Technology, or a closely related field by the appointment date. Candidates must show exceptional promise in both research and teaching. Desired areas of interest include software engineering, algorithms, programming languages and parallel computing. Only applicants whose research and teaching interests fall under these or very closely related areas will be considered.

Applications should be submitted by November 15, 2013. Applicants should upload a letter of intent, a statement of research, a statement of teaching, resume, and information of three references at http://academicjobs.oakland.edu/postings/790. The teaching statement should include a list of undergraduate and graduate courses that the applicant will be willing to teach as well as outlines of two courses that the applicant would like to introduce. Information about the current courses offered by the department is available on departmental website at http://www.cse.secs.oakland.edu.

The department is currently offering BSc. Degrees in Computer Science and in Information Technology, MSc. degrees in Computer Science and in Software Engineering and Information Technology, and a Ph.D. in Computer Science and Informatics.

For information about the department and Oakland University, please visit the respective homepages.

Oakland University is an ADVANCE institution, one of a limited number of universities in receipt of NSF funds in support of our commitment to increase diversity and the participation and advancement of women and underrepresented minorities in the STEM fields. Oakland University is an equal opportunity employer.

Ohio State University

Computer Science and Engineering Department

Multiple Tenured or Tenure-Track

The Computer Science and Engineering Department at the Ohio State University seeks candidates for multiple tenured or tenure-track appointments at the assistant, associate or full professor level. The specific searches being conducted this year include:

- One targeted position, open rank, in the area of cybersecurity, broadly defined. We are specifically interested in applicants with research interests in network security, physical layer/information theoretic security, cyberphysical systems, secure systems, data privacy, cryptography, or programming language security.
- One position (open rank) open to all areas of computer science and engineering.
- In addition, data analytics is slated for significant growth and we anticipate open positions in data mining and cloud computing.

The department is committed to enhancing faculty diversity; women, minorities, and individuals with disabilities are especially encouraged to apply.

Applicants should hold or be completing a Ph.D. in CSE or a closely related field, have a commitment to and demonstrated record of excellence in research, and a commitment to excellence in teaching.

To apply, please submit your application via the online database. The link can be found at: https://www.cse.ohio-state.edu/cgi-bin/portal/fsearch/apply.cgi.

Review of applications will begin in December and will continue until the positions are filled. The Ohio State University is an Equal Opportunity/Affirmative Action Employer.

Oregon State University

School of Electrical Engineering and Computer Science

Assistant/Associate/Full Professor tenure-track Position in Computer Science

The School of Electrical Engineering and Computer Science at Oregon State University invites applications for up to six full-time nine month tenure-track positions at the Assistant Professor level in Computer Science. Appointments may be made at the Associate or Full Professor level, see OSU EECS website for

Professional Opportunities

details. We seek candidates with a commitment to quality teaching and with demonstrated research strengths in the areas of databases, software engineering, computer security, distributed systems, and computer vision. Applicants must select one of these research areas when submitting an online application. Duties include teaching undergraduate and graduate courses, conducting research in the area of interest, and securing funding. A PhD in Computer Science or related field is required. Applicants should demonstrate a commitment to collaboration with other research groups in the School of EECS, with other departments at Oregon State, and with other universities.

The School of EECS supports a culture of energetic collaboration, and the faculty are committed to excellence in both education and research. With 46 tenure/tenure-track faculty, we enroll 180 Ph.D., 175 MS and 2,000 undergraduate students. OSU is recognized for its "very high research activity" by the Carnegie Foundation for the Advancement of Teaching. The School of EECS is housed in the Kelley Engineering Center, a green building designed to support collaboration among faculty and students across campus. Corvallis is a small college town renowned for its high quality of life.

For more information, including full position announcement and instructions for application, visit: http://jobs.oregonstate.edu/applicants/Central?quickFind=63045

Pomona College

Computer Science Department

Tenure-track Assistant Professor, beginning July 1, 2014

Teaching load: 2/2. Ph.D. required. Pomona College, the founding member of the Claremont Colleges, is a highly selective liberal arts college attracting a diverse, national student body.

Please submit the following application materials online (academicjobsonline.org/ajo/jobs/3317): cv; graduate transcripts; 3 or more letters of recommendation, at least one of which evaluates teaching; and three brief statements--one addressing teaching philosophy, one addressing scholarship, and one addressing demonstrated ability to mentor a diverse student body.

Review of applications will begin on December 31, 2013. Further information at www.cs.pomona.edu/search2014.html or search@cs.pomona.edu.

The Computer Science Department supports equal access to higher education and values working in a richly diverse environment. The ideal candidate will have experience working with students from diverse backgrounds and a demonstrated commitment to improving higher education for underrepresented students.

Purdue University

Department of Computer Science

Tenure-Track/Tenured Positions

The Department of Computer Science at Purdue University is entering a phase of sustained expansion. Applications for tenure-track and tenured positions at the Assistant, Associate and Full Professor levels beginning August 2014 are being solicited. Outstanding candidates in all areas will be considered.

The Department of Computer Science offers a stimulating and nurturing academic environment with active research programs in all areas of our discipline. Information about the department and a description of open positions are available at http://www.cs.purdue.edu.

Applicants should hold a PhD in Computer Science, or related discipline, be committed to excellence in teaching, and have demonstrated excellence in research. Successful candidates will be expected to teach courses in computer science, conduct research in their field of expertise, and participate in other department and university activities. Salary and benefits are competitive.

Applicants are strongly encouraged to apply online at https://hiring.science.purdue.edu. Alternatively, hardcopy applications can

be sent to: Faculty Search Chair, Department of Computer Science, 305 N. University Street, Purdue University, West Lafayette, IN 47907. Review of applications will begin in fall 2013, and will continue until positions are filled. A background check will be required for employment.

Purdue University is an Equal Opportunity/Equal Access/Affirmative Action employer committed to achieving a diverse workforce.

Purdue University

Department of Statistics

Assistant Professor –Computational Statistics

The Department of Statistics, Purdue University invites applications for two tenure-track positions in Computational Statistics, broadly defined as developing theoretical and practical aspects of computation for statistical learning and inference, working with large and complex datasets, and applications in all areas of science and technology. The appointments are at the rank of Assistant Professor, beginning in August 2014.

The Department of Statistics offers a stimulating environment with over 35 faculty members, including 10 fellows of the American Statistical Association and 6 recipients of the NSF Career Award, with many complementary efforts in research, teaching and consulting. The Purdue campus offers excellent infrastructure for large-scale computing, and opportunities for interdisciplinary collaborations in areas such as engineering, computer science, chemistry and biology. Further information is available at http://www.stat.purdue.edu

All applicants should hold a Ph.D. in Statistics or a related field, and demonstrate excellence and commitment to research, teaching and leadership. The successful candidate(s) will be required to teach graduate and/or undergraduate classes. A background check is required prior to employment in this position. Salary and benefits are highly competitive. To apply, please visit http://www.stat.purdue.edu/hiring/

Review of applications will begin on December 1, 2013 and will continue until the positions are filled. Purdue University is an Equal Opportunity/Equal Access/Affirmative Action employer fully committed to achieving a diverse workforce.

Purdue University

School of Electrical and Computer Engineering (ECE) and CERIAS

Postdoctoral Fellow

A postdoctoral researcher position in dependable distributed systems is available immediately. The work involves designing and building protocols for reliable and secure applications that execute on clusters of machines, including some resource-constrained embedded devices. Proven experience in building large systems is desired. Experience in applying machine learning principles to system building will be a plus.

The chosen researcher will work with Prof. Saurabh Bagchi and collaborate closely with machine learning and security researchers in CERIAS and with researchers in its industrial sponsoring organizations. Opportunities for grant writing and student advising will be available.

Applicants should email a single PDF file including cover letter, CV, brief research statement and names of 3 referees to sbagchi@purdue.edu with the title "Post-doctoral fellowship application".

For more information about our lab, please visit: https://engineering.purdue.edu/dcsl/

Rice University

Department of Computer Science

Postdoctoral Position in Computational Bioengineering

The Kavraki group at Rice University (http://www.kavrakilab.org) is looking to hire an enthusiastic postdoctoral researcher to enhance their research efforts in computational structural biology, drug design, and computational bioengineering.

Professional Opportunities

The group has significant expertise in the development of methods for motion planning for complex systems in robotics. Their Open Motion Planning Library (OMPL, http://ompl.kavrakilab.org) is now used both in academia and industry and is part of ROS (http://www.ros.org). Inspired by its successes in motion planning, the group is developing modeling frameworks and algorithms for analyzing large-scale conformational changes in molecules and molecular assemblies. Applications range from drug design to the decipherment of the inner mechanisms of viruses. The postdoctoral research associate will assist in these efforts.

The position becomes available in January of 2014. The duration of the position is one year and can be renewed for a second year. Compensation is commensurate with experience.

Qualifications and Application

The ideal candidate will have a strong enthusiasm for interdisciplinary work. Required skills include excellent analytical skills, excellent software engineering skills, experience with programming in C++, and extensive exposure to biochemistry and biophysics. A Ph.D. in a related field is required for the position. Experience with Rosetta is highly desirable. In the past successful candidates have had degrees in Computer Science, Bioengineering, Biophysics, Physics, and Chemistry. Excellent communication and collaboration skills are required as the selected candidate will be expected to work closely with current lab members and with collaborators.

To indicate interest please send a CV to Lydia Kavraki (kavraki@rice.edu). Applications will be accepted until the position is filled.

Environment

The Kavraki Group is a small but vibrant group and provides a stimulating working environment. Most of its alumni are now in academic or upper-level research positions. For more information about the group check http://www.kavrakilab.org. The Computer Science and Bioengineering Departments at Rice are part of the Gulf Coast Consortia for for Quantitative Biomedical Sciences and offer an unparalleled training environment (http://www.gulfcoastconsortia.org/home.aspx).

Rice University is a leading research university in the vibrant urban setting of Houston, TX, the fourth largest city in the U.S. Rice is a small, private university with exceptional strengths in engineering, biomedicine, and nanotechnology. The Computer Science Department is among the top 20 in United States, while the Bioengineering Department is ranked among the top 10 departments in United States by US News & World Report.

Rochester Institute of Technology

B. Thomas Golisano College of Computing and Information Sciences

Computing Security Department Chair

The Department of Computing Security at the Rochester Institute of Technology invites applications for the position of Department Chair to begin August 2014.

In July of 2012, the Department of Computing Security at RIT was established to address critical security challenges cutting across computing disciplines. The department engages in a wide range of research and teaching activities, including: big data analytics, cryptology and covert communications, digital forensics, mobile device, networks, privacy, security measurement, security pedagogy, sensors, software, and systems security. Through these activities, the department seeks to advance the discipline and to meet the rapidly growing need of computing security professionals in the workforce.

The successful candidate shall be ready to assume the leadership and administrative responsibilities of the department. A key role of the chair will be to lead the department in shaping and increasing its research and scholarship profile. Applicants are required to have a Ph.D. or equivalent in a related field and experience commensurate with that of a full professor. Applicants must have demonstrated research excellence in computing security, a track record of external funding, and a strong commitment to undergraduate and graduate education.

The Computing Security department consists of 15 full time faculty members (9 primary and 6 secondary) and 3 staff members. Currently, the department has approximately 300 students in its graduate and undergraduate degree programs. Faculty members actively participate in the College's Ph.D. Program in Computing and Information Sciences and advise doctoral students. The department is part of RIT's largest college, the B. Thomas Golisano College of Computing and Information Sciences, which has an enrollment of over 3200 students. In addition to the Computing Security department and the PhD program, the College is home to the Departments of Computer Science, Information Sciences and Technologies, and Software Engineering, and the School of Interactive Games and Media.

Candidates should visit http://careers.rit.edu and search 575BR for specific information about the position and the application process. Refer to http://www.rit.edu/gccis for information about RIT and the B. Thomas Golisano College of Computing and Information Sciences.

RIT is an equal opportunity employer that promotes and values diversity, pluralism, and inclusion. For more information or inquiries, please visit RIT/TitleIX or the U.S. Department of Education at ED.Gov.

RTI International, Research Triangle Park, North Carolina

Cyber Security Research Scientist

RTI International, one of the world's leading research institutes, has an opening in RTP, NC for a Cyber Security Research Scientist in its' Research Computing

B. Thomas Golisano College of Computing and Information Sciences

Assistant Professor / Associate Professor - Human-Computer Interaction

Requisition# 773BR **ANTICIPATED START DATE:** August 13, 2014

DETAILED JOB DESCRIPTION:

Applications are invited for a full-time tenure-track position in the field of human-computer interaction (HCI) at the assistant or associate professor rank in the Department of Information Sciences and Technologies at Rochester Institute of Technology (RIT).

Candidates should visit **http://apptrkr.com/394218** and refer to the BR number listed above for specific information about the position and the application process. Refer to www.rit.edu for information about RIT and the B. Thomas Golisano College of Computing and Information Sciences.

The B. Thomas Golisano College of Computing and Information Sciences is home to the departments of Computer Science, Software Engineering, Information Sciences and Technologies, and Computing Security, and the School of Interactive Games and Media, offering a variety of BS and MS degrees as well as the Ph.D. in Computing and Information Sciences. The college has 110 faculty and over 2700 undergraduate and 600 graduate students.

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, gender, religion, sexual orientations, gender identity, gender expression, national origin, veteran status or disability in its hiring, admissions, educational programs and activities.

Professional Opportunities

Division. An understanding of cyber security issues and technologies, experience with interdisciplinary research, and demonstrated excellence in verbal and written communication are essential.

Responsibilities

- Participate in/lead projects.
- Contribute to proposals focused on cyber security
- Participate in business development.
- Contribute to RTI's scientific stature via publications and external presentations

Qualifications

Required:

- M.S. and 5 years of experience or Ph.D. (preferred) in Computer Science or related discipline and 1+ year of experience in cyber security research
- Research experience utilizing large security related data sets
- Experience procuring research grants
- Excellent written and oral communication skills
- Record of publications
- To qualify, applicants must be a US citizen.

Preferred:

Expertise in one or more of the following:

- Packet level and NetFlow analysis and data formats such as Syslog, NetFlow, pcap, Snort, Argus, and DAG
- Cyber Analytics
- Application security
- Malware analysis
- Vulnerability discovery

Interested applicants should apply via RTI's website: www.rti.org/job1471

B. Thomas Golisano College of Computing and Information Sciences

ASSISTANT PROFESSOR - COMPUTER SCIENCE (2 POSITIONS)

REQUISITION# 760BR **ANTICIPATED START DATE:** August 13, 2014

DETAILED JOB DESCRIPTION:

The Department of Computer Science at the Rochester Institute of Technology invites applications for a full-time, tenure-track assistant professor position in one of the following three areas: (1) data mining, (2) distributed systems and mobile computing, (3) algorithmic game theory.

Candidates should visit **http://apptrkr.com/394210** and refer to the BR number listed above for specific information about the positions and the application process. Refer to www.rit.edu for information about RIT and the B. Thomas Golisano College of Computing and Information Sciences.

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B. Thomas Golisano College of Computing and Information Sciences

INSTRUCTIONAL FACULTY - COMPUTER SCIENCE

REQUISITION# 761BR **ANTICIPATED START DATE:** August 13, 2014

DETAILED JOB DESCRIPTION: The Lecturer will contribute to the academic mission of the Computer Science Department and will be responsible for course preparations, formal classroom and lab teaching, new lecture and lab course development in the areas of introductory and core Computer Science. The Lecturer will also be responsible for student mentoring and contributing to the advancement of the Department through service assignments. The Lecturer will engage in professional growth through activities such as further study, writing, lecturing, and active participation in professional societies.

Candidates should visit **http://apptrkr.com/394211** and refer to the BR number listed above for specific information about the position and the application process. Refer to www.rit.edu for information about RIT and the B. Thomas Golisano College of Computing and Information Sciences.

The B. Thomas Golisano College of Computing and Information Sciences is home to the departments of Computer Science, Software Engineering, Information Sciences and Technologies, and Computing Security, and the School of Interactive Games and Media, offering a variety of BS and MS degrees as well as the Ph.D. in Computing and Information Sciences. The college has 110 faculty and over 2700 undergraduate and 600 graduate students.

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, gender, religion, sexual orientations, gender identity, gender expression, national origin, veteran status or disability in its hiring, admissions, educational programs and activities.

Rutgers University

The Department of Computer Science

Tenure-Track Faculty Position

The Department of Computer Science at Rutgers University seeks applicants in computer graphics and related areas, for a tenure-track/tenured faculty position starting September 2014. We are interested in receiving applications in all areas of computer graphics with particular emphasis on virtual humans and avatars, real-time animation, physics-based modeling, realistic simulation of deformable bodies and fluids, dynamics and shape/volume modeling, material fabrication and actuation, self-supported geometries, modeling of large-scale systems and crowds, interactive multi-sensory media, novel human-centered 3D interfaces, augmented reality and medical applications, as well as big data visualization from important application domains.

Rutgers University offers an exciting and multidisciplinary research environment and encourages collaborations between Computer Science and other disciplines.

Applicants for this research and teaching position must, at minimum, be in the process of completing a dissertation in Computer Science or a closely related field, and should show evidence of exceptional research promise, potential for developing an externally funded research program, and commitment to quality advising and teaching at the graduate and undergraduate levels. Hired candidates who have not defended their Ph.D. by September 2014 will be hired at the rank of Instructor, and must complete the Ph.D. by December 31, 2014 to be eligible for tenure-track title retroactive to start date.

Applicants should go to http://www.cs.rutgers.edu/employment/ and submit their curriculum vitae, a research statement addressing both past work and

Professional Opportunities

future plans and a teaching statement along with three letters of recommendation. If electronic submission is not possible, hard copies of the application materials may be sent to:

Dimitris Metaxas/Mary Hoffman
Computer Science Department
Rutgers University
110 Frelinghuysen Road
Piscataway, NJ 08854

Applications should be received by January 31, 2014 for full consideration.

Rutgers subscribes to the value of academic diversity and encourages applications from individuals with varied experiences, perspectives, and backgrounds. Females, minorities, dual-career couples, and persons with disabilities are encouraged to apply.

Rutgers is an affirmative action/equal opportunity employer.

Rutgers University

The Department of Computer Science

Tenure-Track Faculty Position

The Department of Computer Science at Rutgers University and the Center for Computational Biomedicine, Imaging and Modeling (CBIM) invite applications for tenure-track/tenured assistant or associate level faculty positions, with appointments starting in September 2014, subject to the availability of funds. This position is in the area of **intelligent interactive systems**, with emphasis on machine intelligence, learning, and autonomy. The candidates are expected to demonstrate competence in developing novel theoretical and algorithmic approaches that address important application domains such as collaborative systems and robots that augment human capabilities, intelligent wearable devices, human-brain interfaces, assistive and rehabilitation technologies, dexterous manipulation in human environments, autonomous mobility (humanoid, wheeled, aerial, underwater robots), distributed multi-robot systems, smart interactive objects and environments, human-centered intelligence over diverse devices through networking and cloud computing, collective intelligence. Rutgers University offers an exciting and multidisciplinary research environment and encourages collaborations between Computer Science and other disciplines.

Applicants for this research/teaching position must, at minimum, be in the process of completing a dissertation in Computer Science or a closely related field, and should show evidence of exceptional research promise, potential for developing an externally funded research program, and commitment to quality advising and teaching at the graduate and undergraduate levels. Hired candidates who have not defended their Ph.D. by September 2014 will be hired at the rank of Instructor, and must complete the Ph.D. by December 31, 2014 to be eligible for tenure-track title retroactive to start date.

Applicants should go to http://www.cs.rutgers.edu/employment/ and submit their curriculum vitae, a research statement addressing both past work and future plans and a teaching statement along with three letters of recommendation. If electronic submission is not possible, hard copies of the application materials may be sent to:

Professor Dimitris Metaxas, Hiring Chair
Computer Science Department
Rutgers University
110 Frelinghuysen Road
Piscataway, NJ 08854

Applications should be received by January 31, 2014 for full consideration.

Rutgers subscribes to the value of academic diversity and encourages applications from individuals with varied experiences, perspectives, and backgrounds.

Females, minorities, dual-career couples, and persons with disabilities are encouraged to apply.

Rutgers is an affirmative action/equal opportunity employer.

Rutgers University - New Brunswick

Department of Computer Science

Director of Information Technology

The Department of computer science at Rutgers University – New Brunswick, invites applications for the Director of the Laboratory for Computer Science Research (LCSR). Reporting to the Department Chair, the director provides planning, management and oversight for LCSR, which designs, develops, and operates systems to advance the state of the art in Computer Science research and instruction. LCSR provides service to the Department of Computer Science, the Center for Biomedicine Imaging and Modeling, and ancillary services for other units. The supported community includes 37 core faculty, 135 graduate students, and over 5530 undergraduates.

This hybrid position straddles support for research and instruction, and provides administrative oversight for a sub-unit of a large academic department. The director interacts directly with faculty, graduate and undergraduate students and must understand the needs of these constituents. Applicants must have an advanced degree, preferably in Computer Science, or equivalent, and experience effectively managing and motivating a highly skilled, knowledgeable staff in a technical environment with concurrent tasks and changing priorities. The director must understand, in broad terms, the goals and aspirations of a diverse set of computing areas, such as vision, graphics, imaging, architecture, networking, databases, languages, theory, and security.

Applicants should go to http://www.cs.rutgers.edu/employment/director/ and submit their curriculum vitae and cover letter via electronic submission. Applications should be received by November 22, 2013 for full consideration.

Rutgers subscribes to the value of academic diversity and encourages applications from individuals with

B. Thomas Golisano College of Computing and Information Sciences

ASSISTANT PROFESSOR - SOFTWARE ENGINEERING

REQUISITION# 772BR **ANTICIPATED START DATE:** August 13, 2014

DETAILED JOB DESCRIPTION:

Applications are invited for a full-time tenure-track position with a rank of Assistant Professor in the Department of Software Engineering at Rochester Institute of Technology (RIT) beginning August 13, 2014.

Candidates should visit **http://apptrkr.com/394217** and refer to the BR number listed above for specific information about the position and the application process. Refer to www.rit.edu for information about RIT and the B. Thomas Golisano College of Computing and Information Sciences.

The B. Thomas Golisano College of Computing and Information Sciences is home to the departments of Computer Science, Software Engineering, Information Sciences and Technologies, and Computing Security, and the School of Interactive Games and Media, offering a variety of BS and MS degrees as well as the Ph.D. in Computing and Information Sciences. The college has 110 faculty and over 2700 undergraduate and 600 graduate students.

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, gender, religion, sexual orientations, gender identity, gender expression, national origin, veteran status or disability in its hiring, admissions, educational programs and activities.

Professional Opportunities

varied experiences, perspectives, and backgrounds. Females, minorities, dual-career couples, and persons with disabilities are encouraged to apply.

Rutgers is an affirmative action/equal opportunity employer.

Southwestern University

Department of Mathematics and Computer Science

Tenure-Track Assistant Professor Position

Southwestern University invites applications for a tenure-track Assistant Professor position in Computer Science beginning August 2014. Candidates must possess a Ph.D. in Computer Science or a closely related field.

For more information visit https://apply.interfolio.com/22974

Santa Fe Institute

Cowan Chair In Human Social Dynamics

The Santa Fe Institute is seeking applications and nominations for the Cowan Chair in Human Social Dynamics. This is a full-time resident faculty position at the equivalent of the assistant or associate professor level, with a flexible start date in 2014. The appointment is for 5 years, with the possibility of one renewal.

Complete applications are due by November 1, 2013. We seek individuals conducting outstanding research in the social and behavioral sciences, broadly defined, who are creative, catalytic, risk-taking deep thinkers, and who are looking to break new ground in addressing some of science and society's most challenging problems.

SFI is a unique research environment dedicated to investigating fundamental scientific questions that transcend traditional disciplinary boundaries. We are open to applicants with an interdisciplinary focus from all scientific fields, with a preference for quantitative approaches.

Collaborative research topics relevant to human social dynamics currently active at SFI include: the origin of prehistoric states; cities, scaling, and sustainability; social network structure and dynamics; economic inequality; market dynamics; altruism and cooperation; the coevolution of institutions and cultures; technology and innovation; and computational social science.

New research topics are welcome.

The job description, including application requirements, can be found at: http://www.santafe.edu/about/jobs/cowan-chair-2014/.

Stanford University

Department of Computer Science

Faculty Openings

The Department of Computer Science at Stanford University invites applications for tenure-track faculty positions at the junior level (Assistant or untenured Associate Professor). We give higher priority to the overall originality and promise of the candidate's work than to the candidate's sub-area of specialization within Computer Science.

We are seeking applicants from all areas of Computer Science, spanning theoretical foundations, systems, software, and applications. We are also interested in applicants doing research at the frontiers of Computer Science with other disciplines, including but certainly not limited to those in the mathematical, medical, physical, and social sciences.

Applicants must have completed (or be completing) a Ph.D., must have demonstrated the ability to pursue a program of research, and must have a strong commitment to graduate and undergraduate teaching. A successful candidate will be expected to teach courses at the graduate and undergraduate levels, and to build and lead a team of graduate students in Ph.D. research. 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 curriculum vita, brief statements of research and teaching interests, and the names and contact information of at least four references. Please apply online at http://soe-apps.stanford.edu/FacultyApplyCS.

Questions should be directed to, Search Committee Chair, c/o Laura Kenny-Carlson, via electronic mail to search@cs.stanford.edu.

The review of applications will begin on November 18, 2013, and applicants are strongly encouraged to submit complete applications by that date for full consideration; however, applications will continue to be accepted until February 14, 2014.

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 and members of minority groups, as well as others who would bring additional dimensions to the university's research and teaching missions.

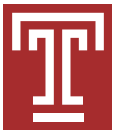
Swarthmore College

Computer Science Department

Assistant Professor Tenure Track Position

Applications are invited for a tenure track position at the assistant professor level beginning Fall semester 2014.

Swarthmore College has a strong institutional commitment to excellence through diversity and inclusivity in its educational program and employment



Department of Computer and Information Sciences
Temple University

Senior Faculty

Applications are invited for senior faculty positions, **associate or full professor** in the Department of Computer and Information Sciences (CIS) at Temple University. These positions open to all CIS areas. Applicants are expected to have an outstanding track record.

The CIS Dept. has two undergraduate degree programs in Computer Science (CS) and in Information Science and Technology (IS&T), master's programs in CIS and IS&T, and a PhD program in CIS. The CIS Dept. has undergone considerable growth in research in the past few years, during which research funding, publication rates, and the number of Ph.D. students has significantly increased. CIS is scheduled to move to a new building next year.

Please submit applications with all requested information online at **http://academicjobsonline.org#3244**. For latest updates, check http://www.temple.edu/cis or send email to Dr. Eugene Kwatny at **gkwatny@temple.edu**. **Review of candidates will begin immediately and will continue until the positions are filled**. Temple University is an equal opportunity, equal access, affirmative action employer.

Professional Opportunities

practices. The College actively seeks and welcomes applications from candidates with exceptional qualifications, particularly those with demonstrable commitments to a more inclusive society and world.

Swarthmore College is a small, selective, liberal arts college located 10 miles outside of Philadelphia. The Computer Science Department offers majors and minors at the undergraduate level.

Applicants must have teaching experience and should be comfortable teaching a wide range of courses at the introductory and intermediate level. Candidates should additionally have a strong commitment to involving undergraduates in their research. A Ph.D. in CS by or near the time of appointment is required.

We are particularly interested in applicants in the areas of theory and algorithms, and in candidates whose areas will add to the breadth of our program, including programming languages, compilers, databases or high-performance computing. Strong applicants in other areas will also be considered.

Priority will be given to applications received by December 15, but will be accepted until the position is filled. Applications should include a vita, teaching statement, research statement, and three letters of reference, at least one (preferably two) that speak to the candidate's teaching ability.

Applications are being accepted online at: https://academicjobsonline.org/ajo/jobs/3201.

TEXAS A&M UNIVERSITY CORPUS CHRISTI

Texas A&M University-Corpus Christi
www.tamucc.edu

College of Science and Engineering
School of Engineering & Computing Sciences

Texas A&M University-Corpus Christi is a learning centered institution. TAMUCC (The Island University) is located on its own island surrounded by the water of Corpus Christi and Oso bays. Our Hispanic Serving Institution status provides a foundation to attain significant impacts for improving the educational attainment of our regional students, and our strategic location on the Gulf of Mexico and on the cultural border with Latin America places the Island University in perfect position to help realize its natural and international prominence goals.

The School of Engineering & Computing Sciences has the following positions open.

(3) Assistant Professor, Geospatial Computer Science
(1) Associate Professor, Geospatial Computer 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 positions 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 Computer Science and Geospatial Computing Sciences graduate students,
- Assisting with recruiting graduate students,
- 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. Applicants with additional expertise in Computer Security or Cyber Defense are welcomed.

May involve night, weekend, and electronic course delivery.

Apply online at https://islanderjobs.tamucc.edu. A completed application file will include:

1. A letter of interest addressing qualifications listed above including a statement of teaching and research philosophy,
2. A curriculum vitae including an email address,
3. A copy of the transcript from the institution awarding the highest degree, and
4. A list of three references including name, title, phone number, and email address. (Finalists may be required to submit three letters of recommendation.)

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

Texas State University

Department of Computer Science

Tenure-Track Faculty Positions

Applications are invited for two tenure-track faculty positions in any computer science field to start September 1, 2014. The rank for either position can be Assistant Professor or Associate Professor, depending on qualifications. Consult the department recruiting page at http://www.cs.txstate.edu/recruitment/faculty_recruit.php for job duties, qualifications, application procedures, job position number, and information about the university and the department.

Texas State University (Texas State) will not discriminate against any person in employment or exclude any person from participating in or receiving the benefits of any of its activities or programs on any basis prohibited by law, including race, color, age, national origin, religion, sex, disability, veterans' status, or on the basis of sexual orientation. Texas State is committed to increasing the diversity of its faculty and senior administrative positions. Texas State is a member of The Texas State University System. Texas State is an EOE.

Toyota Technological Institute at Chicago

Post Doctoral Scholar

A post-doc at the intersection of speech recognition and machine learning is available starting fall 2013 (date flexible; position open until filled). The starting point for this post-doc is our ongoing work on multi-view learning of speech representations.
Many research directions can be pursued, depending on interests.

The main duties will be research in collaboration with Prof. Karen Livescu and other potential collaborators (including at U. Washington, Johns Hopkins U., U. Edinburgh, and TTIC). Teaching and advising also possible if desired.

To start an application, please email a CV to klivescu@ttic.edu.

Professional Opportunities

TTI Chicago

Computer Science

Faculty Positions at All Levels

Toyota Technological Institute at Chicago (TTIC) is a philanthropically endowed degree-granting institute for computer science located on the University of Chicago campus. Applications are being accepted in all areas, but we are particularly interested in machine learning, speech processing, computational linguistics, computer vision, computational biology and optimization. Positions and visiting positions are available at all ranks, and we have a large number of three year limited term positions currently available. For all positions we require a Ph.D. Degree or Ph.D. candidacy, with the degree conferred prior to date of hire. Submit your application electronically at: http://ttic.uchicago.edu/facapp/.

Toyota Technological Institute at Chicago is an Equal Opportunity Employer.

Tulane University

Department of Computer Science

Faculty Positions in Computer Science – Starting Fall 2014

The Tulane University Computer Science department is seeking applicants for two regular tenured or tenure-track positions. Applications in all areas are welcome, but candidates in machine learning and in systems will receive additional consideration. These positions are subject to final budget approval. The ranks of the appointments (Assistant, Associate or Full Professor) will depend on the successful candidates. The successful candidates will have internationally recognized research programs that include applications to areas of science and engineering related to computer science, a history of research funding, and records of excellence in teaching at the undergraduate and graduate levels.

The department currently has researchers active in structural computational biology, computational geometry, computational social choice and in computational models. As is true for one of our current faculty, there is a possibility for the successful candidate for either position to hold a joint appointment with the Florida Institute for Human and Machine Cognition (IHMC – see http://www.ihmc.us). More complete information about Tulane, about the department and about its relation to IHMC can be found at http://www.cs.tulane.edu/hiring.

A complete application should include a CV, at least three letters of recommendation, and statements on research and on teaching.

Applications can be submitted to:
Regular Positions Search Committee
Computer Science Department
Tulane University
Stanley Thomas 303
6823 St. Charles Ave
New Orleans, LA 70118

Electronic applications can be submitted by sending an application packet to cshiring@tulane.edu. The Subject line should indicate whether the application is for a regular position or for the Professor of Practice position. To receive full consideration, applications should be received by January 1, 2014.

Tulane University is an Affirmative Action / Equal Opportunity / ADA Employer that is committed to increasing the diversity of its faculty. We therefore encourage applications from underrepresented groups.

Tulane University

Department of Computer Science

Professor of Practice Position in Computer Science – Starting Fall 2014

The Tulane Computer Science department seeks applicants for a Professor of Practice position in computer science. This is a non-tenure-track position with an initial appointment of three years, subject to final budget approval. Renewals are possible as long as the need for the position continues, and upon the second renewal, the position can be promoted to Senior Professor of Practice, which carries a term of five years. The duties include teaching up to three courses per semester, helping design and develop new course offerings, and helping mentor undergraduate majors in their capstone projects. Minimum requirements include a PhD in computer science and a record of excellence in teaching computer science in a broad range of courses at varying levels. Candidates with experience teaching courses in systems and networking are particularly encouraged to apply. A complete application should include a CV, a teaching statement, and documentation to validate excellence in teaching, including at least three letters of recommendation that address teaching. More information about the department and about this position can be found at the URL http://www.cs.tulane.edu/hiring.

COMPUTER SCIENCE & ENGINEERING
TEXAS A&M UNIVERSITY

Department Head
Department of Computer Science and Engineering
Texas A&M University

The Dwight Look College of Engineering at Texas A&M University invites nominations and applications for the position of head of the Department of Computer Science and Engineering.

In response to the national demand for more qualified engineers, the Look College has embarked on "25 by 25," an ambitious enrollment growth initiative to more than double the college's current enrollment to 25,000 engineering students by the year 2025. The Department of Computer Science and Engineering will be an integral part of this planned growth. We seek a dynamic, innovative candidate who can lead the growth in students, faculty, and staff that is envisioned. We are looking for an innovative thinker with a strategic vision for guiding the department to a higher level of excellence that can communicate this vision to a constituency that includes academia, government, industry, and alumni. Candidates should possess proven leadership and administrative skills, and an established reputation as a scholar consistent with an appointment to the rank of professor of computer science and engineering with tenure. Candidates must have a Ph.D. in computer science, computer engineering, or a related field.

The Department of Computer Science and Engineering has 36 tenured and tenure-track faculty members and three full-time lecturers. The department currently has faculty with a number of national distinctions, including National Academy of Engineering membership, ACM and IEEE Fellows, and ACM Distinguished Scientists and Engineers. The department has a strong and vibrant research program, with 47 percent of the faculty receiving NSF CAREER/NYI/PYI awards. The department offers bachelor's, master's, and Ph.D. degrees in computer science and — jointly with the Department of Electrical and Computer Engineering — in computer engineering, to roughly 275 graduate and 830 undergraduate students. In recent years, the department has built a strong national reputation based on the quality of its faculty and programs; among public institutions, its graduate computer engineering program ranks 12th and its graduate computer science 27th in the most recent *U.S. News & World Report* rankings. More information about the department is available at http://www.cse.tamu.edu.

Texas A&M, a land-grant, sea-grant, and space-grant institution, is one of the six largest universities in the United States and has more than 50,000 students. Today, the Dwight Look College of Engineering is one of the largest and best endowed in the nation, and it ranks among the top institutions in every significant national poll, including sixth for graduate programs and eighth for undergraduate programs among public institutions by *U.S. News & World Report*. The Look College has long enjoyed national leadership status in engineering education, and currently has more than 11,000 engineering students in 13 departments. Approximately 25 percent of the engineering students are graduate students.

Letters of application should include
(1) a full curriculum vitae,
(2) a two-page statement summarizing the candidate's vision and goals for the department and leadership philosophy, and
(3) the names and addresses of at least five references.

Applications will be accepted until the position is filled; screening will begin immediately. Nominations or applications should be sent to headsearch@cse.tamu.edu.

The members of Texas A&M Engineering are all Affirmative Action/Equal Employment Opportunity Employers. It is the policy of these members in all aspects of operations each persons shall be considered solely on the basis of qualifications, without regard to race, color, sex, religion, national origin, age, disabilities or veteran status.

Professional Opportunities

Applications can be submitted to:
Professor of Practice Search Committee
Computer Science Department
Tulane University
Stanley Thomas 303
6823 St. Charles Ave
New Orleans, LA 70118

Electronic applications can be submitted by sending the application packet to cshiring@tulane.edu. The Subject line should indicate whether the application is for a regular position or for the Professor of Practice position. To receive full consideration, applications should be received by January 1, 2014.

Tulane University is an Affirmative Action / Equal Opportunity / ADA Employer that is committed to increasing the diversity of its faculty. We therefore encourage applications from underrepresented groups.

U.S. Naval Academy

Computer Science Department

Distinguished Visiting Professor

The U.S. Naval Academy's Computer Science Department invites applications for one or more Distinguished Visiting Professors. The visiting professor is expected to have a strong reputation and technical expertise in Computer Science, Information Technology, or a closely related field. A Ph.D. or commensurate experience is required.

The start date of this position is flexible, and we have provisions for either full-time financial support or supplemental support for a professor on sabbatical. The position duration could vary from half a year to multiple years. The specific salary will be commensurate with experience and the expected contributions to the department. Such contributions may vary and might include teaching required or elective courses, developing new courses, leading research seminars, organizing relevant symposia, collaborating with faculty, and/or mentoring student research.

The Computer Science Department offers majors in Computer Science and Information Technology, and contributes to a new major in Cyber Operations. We currently have 100 CS majors, 70 IT majors and a faculty of 18. In addition to courses for CS, IT, and Cyber Operations majors, we also teach a course on cyber security to the entire freshman class.

The department is housed in a state of the art building overlooking the scenic Severn River. Our spaces provide outstanding office, laboratory, and research facilities for both students and faculty, including specialized labs for information assurance, networking, and robotics, as well as three micro-computing labs and two high performance computing labs. Further information is available at http://www.usna.edu/cs/ and http://www.usna.edu/.

Applicants should send a cover letter, curriculum vitae, and a list of three professional references. The cover letter should address in detail the expected contributions to the department, as described above. All materials should be sent to cssearch@usna.edu.

The United States Naval Academy does not discriminate in employment on the basis of race, color, religion, sex (including pregnancy and gender identity), national origin, political affiliation, sexual orientation, marital status, disability, genetic information, age, membership in an employee organization, retaliation, parental status, military service, or other non-merit factor.

U.S. Naval Academy

Computer Science Department

Tenure Track Position

The U.S. Naval Academy's Computer Science Department invites applications for a tenure track position at the rank of Assistant Professor. This position is anticipated to begin in August 2014. A Ph.D. in Computer Science or closely related field is required.

The Computer Science Department offers majors in Computer Science and Information Technology, and contributes to a new interdisciplinary major in Cyber Operations. We currently have 100 CS majors, 70 IT majors and a faculty of 18. In addition to courses for CS, IT, and Cyber Operations majors, we also teach a course on cyber security to the entire freshman class.

Applicants must have a dedication to teaching, broad teaching interests, and a strong research program. Applications are encouraged from all areas of computing research.

The department is housed in a state of the art building overlooking the scenic Severn River. Our spaces provide outstanding office, laboratory, and research facilities for both students and faculty, including specialized labs for information assurance, networking, and robotics, as well as three micro-computing labs and two high performance computing labs.

The Naval Academy is an undergraduate institution located in historic downtown Annapolis, Maryland on the Chesapeake Bay. Roughly half of the faculty are tenured or tenure track civilian professors with Ph.D.s who balance teaching excellence with internationally recognized research programs. The remaining faculty are active duty military officers with Masters or Doctoral degrees. Each year the academy graduates roughly 1000 undergraduate students with majors in the sciences, engineering, and humanities. More information about the department and the Academy can be found at http://www.usna.edu/cs/ and http://www.usna.edu/.

Applicants should send a cover letter, teaching and research statements, curriculum vitae, and arrange for three letters of recommendation that address both teaching and research abilities to be sent to cssearch@usna.edu. Where possible, applicants are encouraged to include information that elaborates on the strength of their research program (such as conference acceptance rates or research awards).

Review of applications will begin immediately and will continue until the position is filled; apply by December 1, 2013 to ensure full consideration.

The United States Naval Academy is an Equal Opportunity Employer.

University of Arkansas

Department of Computer Science and Computer Engineering

Charles D. Morgan/Acxiom Graduate Research Chair in Database

The Department of Computer Science and Computer Engineering at the University of Arkansas invites applications from outstanding individuals for the Charles D. Morgan/Acxiom Graduate Research Chair in Database at the rank of Professor. This is an endowed chair that provides significant funds to supplement externally funded research. Areas of interest include, but are not limited to, emerging areas of research in big data such as infrastructure and management, search and mining, and security and trust. The successful candidate should possess a PhD in Computer Science, Computer Engineering or closely related field, an established record of scholarship, external funding, and evidence of leadership.

The CSCE department offers BS, MS, and PhD degrees in Computer Science and Computer Engineering to approximately 400 undergraduate and 60 graduate students. The department has fifteen faculty with annual external research funding of $1.8 million and is housed within a new 90,000 sq. ft. building. For more information concerning the department see http://www.csce.uark.edu.

The University of Arkansas has invested over $450 million on new, expanded, and modernized facilities since 2011. Since 2008 campus enrollment has increased by more than 6,000 students with an additional 160 new faculty being added to support both research and teaching missions. The U.S. News & World Report identified the University of Arkansas as one of the country's nine up-and-coming public universities and the Chronicle of Higher Education listed the University as one of the best in the country in which to work.

Application materials include a cover letter, teaching and research statements, curriculum vitae, and four letters of reference. Preferably, application materials should be submitted to the CSCE Search Committee

Professional Opportunities

electronically at http://www.csce.uark.edu/search. Alternatively, applications can be sent to:

Search Committee
CSCE Department
JBHT 504
University of Arkansas
1University Way
Fayetteville, AR 72701
search@csce.uark.edu

Completed applications received by January 15, 2014 will be assured full consideration. Late applications will be reviewed as necessary to fill the position.

The University of Arkansas is an equal opportunity, affirmative action employer. Qualified underrepresented minority and women candidates are especially invited to apply. All applicants are subject to public disclosure under the Arkansas Freedom of Information Act, and persons hired must have proof of legal authority to work in the United States.

University of California, Santa Barbara

Tenure-Track Faculty Position

The Electrical and Computer Engineering Department at the University of California, Santa Barbara invites applications for a tenure-track faculty position in the area of Computer Engineering with a start date of Fall quarter, 2014.

Visit http://www.ece.ucsb.edu/employment/.

An EO/AA employer

University of Central Florida

Computer Science

Tenure-Track Faculty Positions

The Computer Science Division in the College of Engineering and Computer Science at UCF is looking for exceptional tenure-track faculty at all levels, especially at senior levels. We are interested in hiring candidates with an established record of high-impact research and publication in: *big data, human-computer interaction, computer security, mobile computing, software engineering, and theory of computing,* though we will also consider remarkable candidates in other areas. We offer a competitive salary and start up package with generous benefits.

All applicants must have 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. Successful candidates will have a record of high-quality publications and be recognized for their expertise and the impact of their research.

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 179 graduate students, including 113 Ph.D. students. Computer Science has strong areas of research in Computer Vision, Machine Learning, Virtual and Mixed Reality, and HCI. More information about the Computer Science Division can be found at http://www.cs.ucf.edu/.

wResearch 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.

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. UCF is an Equal Opportunity/Affirmative Action employer. Women and minorities are particularly encouraged to apply.

To submit an application, please go to: http://www.cs.ucf.edu/facsearch.

University of Chicago

Associate Professor

The Department of Computer Science at the **University of Chicago** invites applications from exceptionally qualified candidates in the areas of theory of computing, and systems for faculty positions at the rank of **Associate Professor**.

Systems is a broad, synergistic collection of research areas spanning systems and networking, programming languages and software engineering, software and hardware architecture, data-intensive computing and databases, graphics and visualization, and systems biology. Particular areas of focus include formal definition design and implementation of programming languages, data-intensive computing systems and algorithms, large scale distributed and collaborative systems, heterogeneous computer architectures, reliable computing systems, and self-tuning systems.

Theory of Computing is striving to understand and explore the most basic and fundamental principles underlying computation and related disciplines. While mathematical in its core, it also has very strong connections with machine learning, economics, bioinformatics and natural language processing, to name just a few. We encourage applications from researchers in any area whose work contains a significant theoretical component.

UC SANTA CRUZ

Assistant, Associate, or Full Professor in Large-scale Data Management, Analysis, and Storage

Department of Computer Science

The Department of Computer Science at the University of California, Santa Cruz invites applications for a tenure track (Assistant) or tenured (Associate and Full Professor) faculty position. We seek outstanding applicants in the area of large-scale data management, analysis and storage with emphasis on algorithms and data analytics. **BASIC QUALIFICATIONS:** For Assistant Professor position: A Ph.D. or equivalent degree in Computer Science or other relevant field (preferred by July 1, 2014, must be conferred by June 30, 2015); demonstrated record of research and teaching.

For Associate or Full Professor position: a Ph.D. or equivalent degree in Computer Science or other relevant field; demonstrated record of research; demonstrated record of publications; demonstrated experience in university teaching at the graduate and undergraduate levels, and a demonstrated record of extramural funding.

POSITION AVAILABLE: July 1, 2014, with academic year beginning September 2014.

Apply at http://apptrkr.com/384237

CLOSING DATE: Review of applications will begin on December 17, 2013. **EOE**

Professional Opportunities

The University of Chicago has the highest standards for scholarship and faculty quality, is dedicated to fundamental research, and encourages collaboration across disciplines. We encourage strong connections with researchers across the campus in such areas as mathematics, natural language processing, bioinformatics, logic, molecular engineering, and machine learning, to mention just a few. Applicants must have a doctoral degree in Computer Science or a related field such as Mathematics or Statistics. Applicants are expected to have established an outstanding research program and will be expected to contribute to the department's undergraduate and graduate teaching programs.

The Department of Computer Science (cs.uchicago.edu) is the hub of a large, diverse computing community of two hundred researchers focused on advancing foundations of computing and driving its most advanced applications. Long distinguished in theoretical computer science and artificial intelligence, the Department is now building strong systems and machine learning groups. The larger community in these areas at the University of Chicago includes the Department of Statistics, the Computation Institute, the Toyota Technological Institute, and Argonne's Mathematics and Computer Science Division.

The Chicago metropolitan area provides a diverse and exciting environment. The local economy is vigorous, with international stature in banking, trade, commerce, manufacturing, and transportation, while the cultural scene includes diverse cultures, vibrant theater, world-renowned symphony, opera, jazz, and blues. The University is located in Hyde Park, a Chicago neighborhood on the Lake Michigan shore just a few minutes from downtown.

A cover letter, curriculum vitae including a list of publications, a statement describing past and current research accomplishments and outlining future research plans, a description of teaching philosophy and a reference contact list consisting of three people are required.

Review of complete applications will begin January 15, 2014, and will continue until all available positions are filled.

All applicants must apply through the University's Academic Jobs website.

To apply for the position of Associate Professor-Theory, go to: http://tinyurl.com/kkldt2f

To apply for the position of Associate Professor-Systems, go to: http://tinyurl.com/ll8h8a3

The University of Chicago is an Affirmative Action / Equal Opportunity Employer.

University of Chicago

Department of Computer Science

Lecturer

The Department of Computer Science at the **University of Chicago** invites applications for the position of **Lecturer**. Subject to the availability of funding, this would be a three year position with the possibility of renewal. This position involves teaching in the fall, winter and spring quarters. The successful candidate will have exceptional competence in teaching and superior academic credentials, will carry responsibility for teaching computer science courses and laboratories. Applicants must have a Ph.D. in Computer Science or a related field at time of appointment and have experience teaching Computer Science at the College level.

The Chicago metropolitan area provides a diverse and exciting environment. The local economy is vigorous, with international stature in banking, trade, commerce, manufacturing, and transportation, while the cultural scene includes diverse cultures, vibrant theater, world-renowned symphony, opera, jazz and blues. The University is located in Hyde Park, a Chicago neighborhood on the Lake Michigan shore just a few minutes from downtown.

Application Instructions:

Applicants must apply on line at the University of Chicago Academic Careers website at http://tinyurl.com/m3z99rw.

Applicants must upload a curriculum vitae with a list of publications and a one page teaching statement. In addition, three reference letters will be required. Review of complete applications, including reference letters, will begin January 15, 2014, and continue until the position is filled.

The University of Chicago is an Affirmative Action / Equal Opportunity Employer.

University College London (UCL)

Department of Computer Science

Faculty Position

The Department of Computer Science at University College London (UCL) invites applications for a faculty position in the areas of Computer Systems and Networking. We seek world-class talent; candidates must have an outstanding research track record.

Areas of interest for this position include operating systems, systems security, distributed systems, networking, and their intersection, with an emphasis on experimental system-building. Appointments will be made at the rank of Lecturer, Senior Lecturer, or Reader (equivalent to Assistant Professor, junior Associate Professor, and senior Associate Professor, respectively, in the US system), commensurate with qualifications.

Candidates must hold an earned Ph.D. in Computer Science or a closely related field by the time they begin their appointment. They will be evaluated chiefly on the significance and novelty of their research to date, and their promise for leading a group in a fruitful program of research. They must also demonstrate a zest for innovative and challenging teaching at the graduate and undergraduate levels. A proven record of ability to manage time and evidence of ability to teach and to supervise academic work by undergraduates, masters, and doctoral students are desirable. Our department is a highly collaborative environment, and we seek future colleagues who enjoy working collaboratively. Candidates should further be committed to public communication, and to UCL's policy of equal opportunity, including working harmoniously with colleagues and students of all cultures and backgrounds.

Since 1973, when UCL CS became the first ARPAnet node outside the United States, the department has been a leading centre for networking research, as demonstrated by its long-standing strong presence in the SIGCOMM conference proceedings.

UCL, the third oldest university in England, and the first to admit students without regard for their race or creed, sits a few blocks from the British Museum in central London, a vibrant metropolis of 8.3 million that offers an ever-renewing panoply of cultural and culinary choices, and is a budget airfare away from all of continental Europe.

Further details about UCL CS, the posts, and how to apply may be found at http://www.cs.ucl.ac.uk/vacancies.

All application materials must reach UCL by the 17th of January, 2014.

We particularly welcome female applicants and those from an ethnic minority, as they are under-represented within UCL at these levels.

UCL – Taking Action for Equality

University of Colorado, Boulder

Department of Computer Science

Assistant Professor

The Department of Computer Science at the University of Colorado Boulder seeks outstanding candidates for a tenure-track position in human-centered computing (HCC). The opening is targeted at the level of Assistant Professor, although outstanding senior candidates at higher ranks may be considered.

We seek candidates with promising research records in the areas of human-computer interaction, computer-supported cooperative work, social computing, ubiquitous computing, and information visualization. Candidates should have an orientation to computer science as their primary teaching home, though an interdisciplinary research program is

Professional Opportunities

welcomed and has been a hallmark of HCC research at CU.

Applications must be submitted on-line at: http://www.jobsatcu.com/postings/71832

The University of Colorado is an Equal Opportunity/ Affirmative Action employer.

University of Colorado, Boulder

Department of Computer Science

Assistant Professor

The Department of Computer Science at the University of Colorado Boulder seeks outstanding candidates for a tenure-track position in Cyber-Physical Systems. The opening is targeted at the level of Assistant Professor, although outstanding senior candidates at higher ranks may be considered.

We seek candidates whose primary research areas include verification, machine learning, robotics or embedded systems, and whose research addresses challenges in application areas such as computational material science, avionics, space systems, renewable energy, manufacturing, robotics or bio-medical systems. Candidates should integrate physical systems with relevant computational techniques, show promise of excellence in both research and teaching, and want to create and lead a highly visible collaborative research program.

Applications must be submitted on-line at: http://www.jobsatcu.com/postings/73109

The University of Colorado is an Equal Opportunity/ Affirmative Action employer.

University of Colorado, Denver

Department of Computer Science and Engineering

Assistant Professor Position

The Department of Computer Science and Engineering in the College of Engineering and Applied Science at the University of Colorado Denver invites applications for the position of Assistant Professor.

The candidate will be expected to develop and teach lecture and laboratory courses at all levels, establish an active, externally funded research program; conduct high quality research involving students at all levels, leading to sponsored research and refereed publications; advise students; and contribute to Department, College, and University governance and to the profession. The candidate must have a Ph.D. in Computer Science or closely related field and demonstrated expertise in computer science as evidenced by the candidate's record.

Salary is competitive and commensurate with qualifications and experience. Additional details are available and applications are accepted electronically at https://www.jobsatcu.com (refer to job posting #F00552). Screening of applications begins December 1, 2013, and continues until the position is filled. This position is expected to start August 2014. Questions should be directed to CSE.Search@ucdenver.edu.

The University of Colorado Denver is dedicated to ensuring a safe and secure environment for our faculty, staff, students and visitors. To assist in achieving that goal, we conduct background investigations for all prospective employees. Some positions may require a motor vehicle report.

The University of Colorado is committed to diversity and equality in education and employment.

University of Dayton

Computer Science Department

Tenure Track, Assistant Professor

The Department of Computer Science at the University of Dayton invites applications for the position of Tenure Track Assistant Professor starting August 16, 2014. We seek an expert committed to excellence in undergraduate and graduate education who also has a focus on research. The individual holding this position is expected to teach undergraduate and graduate courses, advise students, and pursue an externally funded research program.

Required: ABD and nearing completion of Ph.D. in Computer Science or closely related area; potential for quality teaching and scholarly research; committed to excellence in undergraduate and graduate education with a focus on research

Preferred: Ph.D. in Computer Science; research or professional experience in interactive media, virtual reality, or gaming.

For a full description of the position and how to apply online see https://jobs.udayton.edu/postings/10268

A complete application consists of a cover letter, CV, undergraduate and graduate transcripts, statement addressing teaching philosophy, and research plans. Three letters of recommendation are also required for a complete application. During the application process you will be asked to submit the e-mail addresses of your recommenders, who will be sent instructions for how to upload their letter on your behalf. You are able to check within this system whether your letters of reference have been received. Review of applications will begin January 7, 2014, and continue until the position is filled. The search committee may be contacted at cps@udayton.edu.

Assistant Professor Position in BIOINFORMATICS or COMPUTATIONAL BIOLOGY at THE UNIVERSITY OF GEORGIA

The Institute of Bioinformatics at the University of Georgia invites applications at the Assistant Professor level for a tenure-track faculty position in bioinformatics or computational biology starting August 2014. We welcome applications from candidates with experience in any area of bioinformatics or computational biology research.

The candidate should have a Ph.D. or equivalent degree in the sciences and a strong research record at the interface of computing and life science. The successful candidate will join our highly-active interdisciplinary program in Bioinformatics (http://iob.uga.edu) with a tenure home in one of the following Franklin College Departments: Cell Biology, Computer Science, Genetics, Marine Sciences, Microbiology, Plant Biology, or Statistics (http://www.franklin.uga.edu/academics/departments.php). The candidate will be expected to maintain a rigorous, externally funded research program and contribute to undergraduate and graduate teaching. To apply, candidates should submit a cover letter, curriculum vitae, copies of their three best publications, and statements of research interests and teaching philosophy (no more than 4 pages total) as a single PDF file to **https://www.franklin.uga.edu/jobs/**. Three letters of recommendation should be uploaded separately to the same web site. The committee will begin reviewing applications on November 1, 2013, and continue until the position has been filled.

The Franklin College of Arts and Sciences, its many units, and the University of Georgia are committed to increasing the diversity of its faculty and students, and sustaining a work and learning environment that is inclusive. Women, minorities and people with disabilities are strongly encouraged to apply. The University is an EEO/AA institution. Georgia is well known for its quality of life in regard to both outdoor and urban activities. The University of Georgia, the oldest state-chartered university in the United States, is a land/sea grant institution located in the city of Athens (http://visitathensga.com/), 70 miles northeast of Atlanta.

Professional Opportunities

The University of Dayton, founded in 1850 by the Society of Mary, is a top ten Catholic research university. The University of Dayton received a National Science Foundation ADVANCE grant designed to promote the advancement and representation of women in STEM fields. The University seeks outstanding, diverse faculty and staff who value its mission and share its commitment to academic excellence in teaching, research and artistic creativity, the development of the whole person, and leadership and service in the local and global community.

To attain its Catholic and Marianist mission, the University is committed to the principles of diversity, inclusion and affirmative action and to equal opportunity policies and practices. We act affirmatively to recruit and hire women, traditionally under-represented minority groups, people with disabilities and veterans.

University of Georgia

Department of Computer Science

Tenure-Track Assistant Professor Position

The Department of Computer Science at the University of Georgia invites applications for a tenure-track assistant professor position, starting in August 2014. Applicants should hold a PhD in Computer Science or closely related field, have a strong research record, and be committed to excellence in both research and teaching.

We are especially interested in candidates with research background in all aspects of Big Data Computing (acquisition, storage, management, analytics, and visualization), Biomedical Informatics, Brain Mapping, Cyber-Security, and Cyber-Physical Systems with emphasis on Smart Sensors and Robotics. We currently have faculty with research interests spanning the above areas. Strong applicants in other areas of Computer Science will also be considered.

Computer Science is a growing and congenial department of 22 faculty within the Franklin College of Arts and Sciences. The department has over 400 undergraduate and over 120 graduate students and offers the B.S., M.S., and Ph.D. degrees in CS. The teaching load allows for substantial concentration on research. In addition to the areas in which we are recruiting, our faculty cover a broad range of research interests, including distributed information systems, real-time systems, human-computer interaction, databases, vision and image processing, theory, algorithms, bioinformatics and bio-imaging, simulations, scientific computing, parallel and distributed computing, and artificial intelligence.

The University of Georgia (http://uga.edu/), founded in 1785, is the oldest land-grant university in the nation and the largest university in Georgia (exploregeorgia.com), with a student body of over 34,000. It is located in Athens (http://www.visitathensga.com/) a charming and historic university town of about 100,000, approximately 65 miles from Atlanta, with mild winters and warm summers. The University boasts a major Performing Arts Center and the country's best fitness and exercise facility for students and faculty. It has been consistently ranked among the top 20 public universities by U.S. News and World Report.

To apply, please upload a cover letter, curriculum vitae, and short statements of research interests and teaching philosophy as a single PDF at https://www.franklin.uga.edu/jobs/apply.php?id=66

Applicants should also arrange for at least three letters of reference to be uploaded separately to the same web site.

Review of candidates will begin on December 15, 2013 and will continue until the position is filled.

The Franklin College of Arts and Sciences, its many units, and the University of Georgia are committed to increasing the diversity of its faculty and students, and sustaining a work and learning environment that is inclusive. Women, minorities and people with disabilities are encouraged to apply. The University is an EEO/AA institution.

University of Houston

Department of Computer Science

Faculty Position

The Department of Computer Science at the University of Houston (www.cs.uh.edu) invites applications for multiple tenure-track faculty positions at all levels starting in Fall 2014. The Department is in a phase of significant growth in enrollments, sponsored research, and faculty size. The current search is focused on the following research areas: Computer and Information Security, Software Design, Human Computer Interaction, Bioinformatics and Theory. However, outstanding candidates in other areas will be considered. Applicants should hold a doctoral degree in Computer Science, Computer Engineering, or a closely related field.

The Department places a strong emphasis on research and the Ph.D. program with world-renowned research groups in Computer Systems (cyber-physical systems, high performance computing, networks, real-time systems, security), Data Analytics (big-data analysis, data mining, database systems, information retrieval, machine learning, natural language processing), Computational Life Sciences (biomedical image analysis, biometrics, medical robotics), and Visual Computing (graphics, gaming, visualization). The Department's research combines advances in core computer science areas with pace-setting multi-disciplinary programs in computational medicine, biology, and psychology. The combination of fundamental research and innovations has led to numerous local, national and international collaborations, the strongest of which are with the Texas Medical Center and the Houston energy industry.

The University of Houston, one of the largest in the nation with approximately 40,000 students, is located in one of the most vibrant metropolitan areas. It was recently classified as a Tier-One university with very

University of Illinois at Urbana-Champaign
College of Engineering: Professor (Open Rank) – Computer Science

The Department of Computer Science (CS) at the University of Illinois at Urbana-Champaign invites applications for faculty positions at all levels and in all areas of CS, but with particular emphasis in the areas of Machine Learning (ML), its associated theoretical foundations and experimental applications; and Big Data and related platforms, systems as well as foundational theory. Applications are encouraged from candidates whose research programs are in traditional as well as in nontraditional and interdisciplinary areas of Computer Science. The department is engaged in exciting, new and expanding programs for research, education, and professional development with strong ties to industry. Applications are being accepted now.

For more information and to apply, please visit: cs.illinois.edu/faculty-candidates

In order to ensure full consideration, applications must be received by February 15, 2014.

ILLINOIS
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

Illinois is an Affirmative Action/Equal Opportunity Employer and committed to a family-friendly environment.
www.inclusiveillinois.illinois.edu
http://provost.illinois.edu/worklife/index.html

Professional Opportunities

high research activity by the Carnegie Foundation and is listed as one of the nation's best institutions for undergraduate education by the Princeton Review. Houston, the 4th largest U.S. city, is the epicenter of the energy industry, features the largest medical center in the world, and hosts the Johnson Space Center. The Department's research laboratories have joint programs with laboratories from the local medical schools and hospitals, NASA, and the local high-tech industry.

Applicants should submit their Curriculum Vitae, research and teaching statements, and up to two representative publications. Junior candidates should arrange for at least three professional references while senior candidates should provide at least five. More information and instructions are available on-line at: http://www.cs.uh.edu/faculty-search.

The University of Houston is an equal opportunity/ affirmative action employer. Minorities, women, veterans, and persons with disabilities are encouraged to apply.

University of Illinois at Urbana-Champaign

Full-Time Tenure-Track

The Department of Linguistics in partnership with the Center for Translation Studies at the University of Illinois at Urbana-Champaign invites applications for a full-time tenure-track assistant professor or tenured associate professor position in Computational Linguistics (CL) or Natural Language Processing (NLP) with a research specialization in Machine Translation. The target starting date is August 16, 2014. Salary is commensurate with qualifications.

To ensure full consideration applications must be received by December 15, 2013.

For complete details see: http://www.slcl.illinois.edu/. Illinois is an AA-EOE. (www.inclusiveillinois.illinois.edu).

University of Illinois at Urbana-Champaign

Positions in Computing

The Department of Electrical and Computer Engineering (ECE) at the University of Illinois at Urbana-Champaign invites applications for faculty positions at all areas and levels in Computing, broadly defined, with particular emphasis on big data, including complex data analysis and decision making; scalable hardware and software systems; parallel, high-performance, and energy-efficient computing; reliable and secure computing; bioinformatics and systems biology; and networking and distributed computing, among other areas. From the transistor and the first computer implementation based on von Neumann's architecture to the Blue Waters petascale computer – the fastest computer on any university campus, ECE Illinois faculty have always been at the forefront of computing research and innovation.

Applications are encouraged from candidates whose research programs specialize in traditional, nontraditional, and interdisciplinary areas of electrical and computer engineering. The department is engaged in exciting new and expanding programs for research, education, and professional development, with strong ties to industry.

Qualified senior candidates may also be considered for tenured full Professor positions as part of the Grainger Engineering Breakthroughs Initiative (http://graingerinitiative.engineering.illinois.edu), which is backed by a $100-million gift from the Grainger Foundation to support research in big data and bioengineering, broadly defined. In addition, the University of Illinois is home to Blue Waters - one of the most powerful supercomputers in the world, supported by the National Science Foundation and developed and operated by the University of Illinois' National Center for Supercomputing Applications. Qualified candidates may be hired as Blue Waters Professors who will be provided substantial allocations on and expedited access to the supercomputer. To be considered as a Blue Waters Professor, candidates need to mention Blue Waters as one of their preferred research areas in their online application, and include a reference to Blue Waters in their cover letter.

Please visit http://jobs.illinois.edu to view the complete position announcement and application instructions. Full consideration will be given to applications received by December 15, 2013.

Illinois is an AA-EOE. www.inclusiveillinois.illinois.edu

The University of Iowa

Computer Science Department

Assistant Professor Positions, Fall 2014

Pending final budget approval, the Computer Science Department seeks three tenure-track faculty at the level of assistant professor starting August of 2014 as part of a new institution-wide initiative in informatics. The new initiative is intended to strengthen expertise and infrastructure in informatics, more specifically, data analytics, systems software, machine learning, theory and algorithms, embedded systems, networks and smart sensors, computer graphics and visualization as well as areas that bridge core informatics to other disciplines. Areas of particular interest in this first round of hiring include i) machine learning, ii) data science and visualization, and iii) device and network centric software. Applications received by January 1, 2014, are assured of full consideration.

Education Requirement: Candidates must hold a PhD in computer science, informatics, or a closely related discipline. Appointments will be made within the Computer Science Department, which offers BA, BS, MCS, and PhD degrees in computer science, and BA and BS degrees in Informatics.

Required Qualifications: Duties include conducting externally funded research in the candidate's area of expertise, teaching undergraduate and graduate computer science and/or informatics courses, supervising graduate student research, and making service contributions to the Department, the College, the University, and the discipline. Successful candidates must demonstrate potential for research and teaching excellence in the environment of a major research university, and will be expected to participate in collaborative research as part of the interdisciplinary informatics initiative.

Desirable Qualifications: Demonstrated interest in solving interdisciplinary problems, the ability to work with interdisciplinary teams, and prior teaching experience.

Both the Department and the College of Liberal Arts and Sciences are strongly committed to gender and ethnic diversity; the strategic plans of the University, College, and Department reflect this commitment. Women and minorities are encouraged to apply.

Applications should contain a CV, research and teaching statements, and three letters of recommendation. For additional information and to apply visit: http://www.cs.uiowa.edu/hiring/.

The University of Iowa is an equal opportunity/ affirmative action employer.

University of Kansas

Department of Electrical Engineering and Computer Science

Electrical Engineering/Computer Engineering / Computer Science Faculty

The University of Kansas (KU) Department of Electrical Engineering and Computer Science (EECS) seeks outstanding individuals for five tenure track positions in the disciplines of electrical engineering, computer engineering, or computer science. Successful candidates are expected to contribute to the development of academic and research programs and to contribute to the research community. Applicants must have an earned doctorate or equivalent in electrical engineering, computer science, computer engineering, or related fields at the time of appointment. The following positions are open at the assistant professor (tenure-track) level, with the possibility of higher rank for the exceptional applicant, with experience in:

Electronic/Photonic Devices & Sensors – semiconductor materials, devices and sensors; nanotechnology and MEMS; high power electronics; meta-materials, plasmonics, and spintronics; optoelectronics, nanophotonics, and ultrafast photonics; or microwave, millimeter-wave, and THz devices

Professional Opportunities

High Speed Digital Systems – advanced computer architectures; hybrid hardware/software systems; embedded systems; digital logic synthesis and analysis for VLSI and FPGAs; multi-core and system-on-a-chip architectures; or high assurance computer architectures

Bioinformatics – machine learning, data mining, statistical learning, distributed databases, or big data analytics focused on computational life sciences problems

High Performance Computing (HPC) – parallel computing employing multi-core, GPU, or special-purpose architectures; parallel and distributed algorithms; or data-intensive computing

Image Processing/Visualization – image and video processing, analysis, and vision; scientific visualization; or analysis of algorithms, data structures, or graph theory.

Exceptional applicants in other closely related areas to the above topics may be considered.

EECS leads the KU School of Engineering with 36 faculty members and a research volume of over $8 million per year. The EECS department offers undergraduate and graduate degrees in electrical engineering, computer engineering, computer science, interdisciplinary computing, and information technology. The department has approximately 500 undergraduate and 250 graduate students. EECS faculty engage in collaborative research projects across multiple areas of interest within the department and the University. There are many interdisciplinary opportunities involving schools at KU and the KU Medical Center.

The KU School of Engineering is rapidly expanding and plans to add thirty new faculty lines in the next 5 years with expanded research and teaching facilities. The University of Kansas is focused on four key campus-wide strategic initiatives: (1) Sustaining the Planet, Powering the World; (2) Promoting Well-Being, Finding Cures; (3) Building Communities, Expanding Opportunities; and (4) Harnessing Information, Multiplying Knowledge. For more information, see http://www.provost.ku.edu/planning/themes/. Successful candidates should describe in their application materials how their work addresses one or more of KU's strategic initiatives.

Applications should be submitted at http://employment.ku.edu, select "Search Faculty Jobs". Applications should include a letter of application, curriculum vita, a statement of research interests and plans, a statement of teaching interests and plans, and contact information for three references. Applications will be reviewed beginning December 1, 2013 and will be accepted until the position is filled. The appointment will be effective as negotiated. Questions can be sent to: EECS_Search@eecs.ku.edu. EOE M/F/D/V.

University of Kentucky

Computer Science Department

Assistant Professor

The University of Kentucky Computer Science Department expects to hire an Assistant Professor to begin employment in August of 2014. Candidates must have earned a PhD in Computer Science or closely related field at the time employment begins. Applications are now being accepted.

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

The department seeks to hire energetic researcher/educators who are interested in the application of advanced computing to challenging and relevant problems. Our faculty undertake interdisciplinary research, working with other departments including statistics, biology, linguistics, electrical engineering, computer engineering, and the humanities. We therefore favor researchers who can collaborate to solve problems involving multiple disciplines. All areas of computing will be considered, but a focus area related to software systems, big data, multimedia and/or imaging is preferred. These areas tie to our department's Laboratory for Advanced Networking, Center for Visualization and Virtual Environments, and Software Engineering. It is possible that the right candidate could be eligible for a named professorship at this level.

To apply, a University of Kentucky Academic Profile must be submitted at ukjobs.uky.edu/applicants/Central?quickFind=245523.

For more detailed information about this position, go to www.cs.uky.edu/opportunities/faculty.

The University of Kentucky is an equal opportunity employer and especially encourages applications from minorities and women.

University of Kentucky

School of Library and Information Science

Lecturer in Information and Communication Technology

This is a 12month faculty position with a 3:3 teaching load and additional administrative duties. The lecturer will be required to teach undergraduate and graduate courses in the Information Communication Technology (ICT) Program.

Minimum Qualification: Doctorate in Information, Communication, Technology or related field (or Master's degree with a minimum of 2 years teaching experience at the college/university level).

The University of Kentucky (www.uky.edu) is the flagship campus in the state of Kentucky. Salary is competitive and commensurate with qualifications and experience. For additional information on benefits, please see http://www.uky.edu/HR/benefits/.

Please send letter of application, a CV, and the names of at least three references to:

Jeffrey Huber, Director
School of Library and Information Science
University of Kentucky
320 Little Library Building
Lexington, KY 405060224
Phone: 8592578876
FAX: 8592574205
jeffrey.huber@uky.edu

Review process will begin immediately and will continue until position is filled. Expected starting date is January, 2014 with the possibility of starting earlier. Application and nomination of minority candidates are strongly encouraged. The University's commitment to diversity is discussed at http://www.uky.edu/Diversity/.

The University of Kentucky is An Equal Opportunity Employer

The University of Manitoba

Faculty of Science - Department of Computer Science

Assistant Professor - Position #13073/16238

The Department of Computer Science at the University of Manitoba invites applications for **two** full-time tenure-track positions at the rank of Assistant Professor, commencing **July 1, 2014**, or as soon as possible thereafter. The successful candidate must have a PhD in Computer Science or an equivalent discipline by the commencement date of the appointment, have demonstrated competence in teaching, and evidence of strong potential for developing and sustaining a program of externally funded research in one of the areas described in the following paragraph. Salary will be commensurate with experience and qualifications. A Faculty of Science startup research grant will be awarded to all newly appointed faculty members.

We are primarily seeking candidates with research expertise in one of the areas of **Bioinformatics, Data Management/Security, or Mobile Computing, but will also consider outstanding candidates in other areas of Computer Science.** Duties will include undergraduate teaching and graduate teaching and supervision, research, and service-related activities. Detailed posting information can be found at www.cs.umanitoba.ca/jobs/.

University of Maryland

Faculty Position

The College of Information Studies at the University of Maryland, Maryland's iSchool, invites creative and forward-thinking individuals to apply for a faculty position. We are looking for a new colleague with an outstanding record of research and teaching in Human-Computer Interaction (HCI).

Professional Opportunities

Position details and application instructions are available at: http://www.ischool.umd.edu/employment/professor-human-computer-interaction.

University of Maryland, Baltimore County

Computer Science and Electrical Engineering Department

Two Tenure Track Assistant Professor Positions, Computer Science

We invite applications for two tenure track positions in Computer Science at the rank of Assistant Professor to begin in August 2014. All areas will be considered, but we are especially interested in candidates in systems, security, or data analytics. Unusually strong candidates at the Associate Professor level will be considered.

Submit a cover letter, brief statement of teaching and research experience and interests, CV, and three letters of recommendation. See http://csee.umbc.edu/about/jobs/ for more information about this search and concurrent searches for a tenure track position in Electrical and Computer Engineering and a Professor of the Practice position in Computer Science.

UMBC is an AA/EOE.

University of Maryland, Baltimore County (UMBC)

Information Systems Department

Two Tenure-Track Faculty Positions

The Information Systems Department at UMBC invites applications for two **tenure-track** faculty positions at the Assistant Professor level starting August 2014. We are searching for candidates with research interests in any of the following areas: Artificial Intelligence/ Knowledge Management, Database/Data Mining, Human Centered Computing, Software Engineering, and Health Information Technology. Candidates must have earned a PhD in Information Systems or a related field no later than August 2014.

Candidates should be engaged in research that spans two or more of these areas, with one of those areas ideally being Health Information Technology. Preference will be given to those who can collaborate with current faculty. Candidates for both positions should have a strong potential for excellence in research, the ability to develop and sustain an externally funded research program, and the ability to contribute to our graduate and undergraduate teaching mission.

The Department offers undergraduate degrees in Information Systems and Business Technology Administration. Graduate degree programs, MS and PhD, are offered in both Information Systems and Human-Centered Computing, including an innovative online MS in IS program. Consistent with the UMBC vision, the Department has excellent teaching facilities, state-of-the-art laboratories, and outstanding technical support. UMBC's Technology Center, Research Park, and Center for Entrepreneurship are major indicators of active research and outreach. Further details on our research, academic programs, and faculty can be found at http://www.is.umbc.edu/. Members of under-represented groups including women and minorities are especially encouraged to apply.

Applications will not be reviewed until the following materials are received: a cover letter, a one-page statement of teaching interests, a one to two-page statement of research interests, one or more sample research papers, and a CV. Applicants should also arrange to have three letters of recommendation sent to the department as soon as possible. Electronic submission of materials as PDF documents is preferred. Electronic copies should be sent to bmorris@umbc.edu. Copies can also be sent to: Dr. Aryya Gangopadhyay, Chair of Faculty Search Committee, Information Systems Department, UMBC, 1000 Hilltop Circle, Baltimore, MD 21250-5398. For inquiries, please contact Barbara Morris at (410) 455-3795 or bmorris@umbc.edu.

Review of applications will begin immediately and will continue until the positions are filled. These positions are subject to the availability of funds.

UMBC is an Affirmative Action/Equal Opportunity Employer and welcomes applications from minorities, women and individuals with disabilities.

University of Massachusetts

School of Computer Science

Lecturer Position in Computer Science

The School of Computer Science at the University of Massachusetts Amherst invites applications for a full-time, nine-month, non-tenure-track faculty position at the rank of Lecturer for the 2014-2015 academic year.

Primary responsibilities include teaching up to six courses per year for majors and non-majors, curriculum development, undergraduate advising, as well as additional administrative and scholarly duties as determined by the Chair of the School.

Applicants should hold a graduate degree in Computer Science, Computer Engineering or a closely related field (Ph.D. preferred), and have a strong interest in, or a proven record of excellence in teaching undergraduate computer science courses, especially undergraduate courses in software engineering.

Successful applicants will find the School of Computer Science to be a stimulating, diverse environment conducive to professional growth in both teaching and research. Lecturers are considered an essential part of the faculty and participate in faculty meetings and school decisions. Amherst, a historic New England town, is the center of a vibrant and culturally rich area that includes four other colleges. For more information about the department, visit http://www.cs.umass.edu/.

The initial appointment to this position will be for one year, with the possibility of reappointment for subsequent periods.

To apply, please send a cover letter referencing search R45861 (CS/Software Engineering); a curriculum vitae; a description of teaching experience; and the names and contact information for at least three references. Electronic submission of application materials in PDF format is preferred. Send to lecturer@cs.umass.edu. Alternatively, paper copies of application materials may be sent to: Lecturer Search Committee, School of Computer Science, University of Massachusetts, Amherst, MA 01003.

Review of applications will begin on December 2, 2013 and will continue until the position is filled.

The University of Massachusetts Amherst is an Affirmative Action/Equal Opportunity Employer. Women and members of minority groups are encouraged to apply. The University seeks to increase the diversity of its workforce and student populations because broad diversity is critical to achieving the University's mission of excellence in education, research, educational access, and service in an increasingly diverse globalized society. Therefore, in assessing the qualifications of each applicant, we will favorably factor diverse perspectives, experiences, and backgrounds including overcoming or helping others overcome barriers to an academic career or degree.

University of Massachusetts Amherst

Department of Electrical and Computer Engineering

Personalized Health Monitoring

The Department of Electrical and Computer Engineering at the University of Massachusetts Amherst (UMass Amherst) invites applications for one or more tenure-track positions in the field of Personalized Health Monitoring at the Assistant, Associate and Full Professor levels starting September 2014. We seek candidates who apply a solid background in computer systems engineering or electrical engineering to the challenges of personalized health monitoring.

With the founding of the $45 Million Center for Personalized Health Monitoring, UMass Amherst is catalyzing research to digitize biology. Research aimed at measuring activity, anatomy, physiology, environmental exposure, blood chemistry, and pathogen detection are all of interest. Potential technologies of interest include, but are not limited to, embedded system and software design, body area networks, wearable electronics, hi-frequency spectroscopy/imaging and electrochemical sensing.

The Center for Personalized Health Monitoring is part of University and Commonwealth of Massachusetts initiatives in the Life Sciences which have provided modern laboratory facilities and opportunities for

Professional Opportunities

interdisciplinary collaboration with researchers from the University of Massachusetts Medical School, Baystate Medical Center and several Research Institutes and Centers on campus. These positions are part of a recent call for four Faculty Positions in Biomedical Engineering at the University of Massachusetts Amherst.

Candidates must have an earned doctorate in ECE or related field at the time of appointment. Successful candidates will be expected to develop a strong externally funded research program; and must be committed to teaching undergraduate and graduate courses in computer systems engineering or electrical engineering. Interest in contributing to the development of a multidisciplinary biomedical education program is desirable. Rank and salary will be commensurate with qualifications and experience.

The search committee will begin reviewing applications on December 2, 2013. The search will continue until the position is filled (contingent on approval and funding). We strongly prefer candidates to submit their applications online at http://umass.interviewexchange.com/jobofferdetails.jsp?JOBID=42655 or http://umass.interviewexchange.com If necessary, applications can be mailed to PHM Search, ECE Department, UMass, Marcus Hall, 100 Natural Resources Road, Amherst, MA 01003.

The University of Massachusetts Amherst is an Equal Opportunity/Affirmative Action Employer, promotes diversity, and encourages applications from women and members of minority groups. The University seeks to increase the diversity of its professoriate, workforce and undergraduate and graduate student populations because broad diversity is critical to achieving the University's mission of excellence in education, research, educational access and service in an increasingly diverse globalized society. Therefore, in holistically assessing many qualifications of each applicant of any race or gender we would factor favorably an individual's record of conduct that includes students and colleagues with broadly diverse perspectives, experiences and backgrounds in educational, research or other work activities. Among other qualifications, we would also factor favorably experience overcoming or helping others overcome barriers to an academic career or degree.

University of Massachusetts, Amherst

School of Computer Science

Assistant / Associate Professor Positions in Computer Science

The School of Computer Science at the University of Massachusetts Amherst invites applications for four tenure-track faculty positions in computer science for the 2014-2015 academic year. Applicants must have a Ph.D. in Computer Science or a related area and should show evidence of exceptional research promise.

Three tenure track positions are available at the assistant or associate professor levels in the areas of 1) Theory with an emphasis on algorithms and game theory 2) Artificial Intelligence with an emphasis on robotics and computer vision, and 3) Systems with an emphasis on security.

The tenure track position in Natural Language Processing is available at the Assistant Professor level. Here we seek candidates able to collaborate closely with the departments of Linguistics and Psychology in The Institute for Computational and Experimental Study of Language (ICESL). The applicant should have a strong background in Natural Language Processing, preferably in the area of Syntax and Semantics.

Our school is highly supportive of junior faculty, providing both formal and informal mentoring. Many of our faculty are involved in interdisciplinary research, working closely with other departments including statistics/mathematics, linguistics, electrical and industrial engineering, biology, physics, and nursing, as well as new "green" initiatives. Amherst, a historic New England town, is the center of a vibrant and culturally rich area that includes four other colleges. For more information about the school, visit http://www.cs.umass.edu/.

To apply, please send a cover letter indicating the position of interest: R45857 (theory), R45859 (artificial intelligence), R45860 (systems), or R45858 (natural language processing); a curriculum vita; a research statement; a statement of teaching interests; and names and contact information for at least three references. Electronic submission of application materials in PDF format is preferred. Send to facrec@cs.umass.edu. Alternatively, paper copies of application materials may be sent to: Chair of Faculty Recruiting, School of Computer Science, University of Massachusetts, Amherst, MA 01003.

We will begin to review applications on December 2, 2013 and will continue until the positions are filled. Rank and salary will be commensurate with qualifications and experience. Inquiries and requests for more information can be sent to: facrec@cs.umass.edu.

The University of Massachusetts Amherst is an Affirmative Action/Equal Opportunity Employer. Women and members of minority groups are encouraged to apply. The University seeks to increase the diversity of its professoriate, workforce and undergraduate and graduate student populations because broad diversity is critical to achieving the University's mission of excellence in education, research, educational access and service in an increasingly diverse globalized society. Therefore, in holistically assessing many qualifications of each applicant of any race or gender we would factor favorably an individual's record of conduct that includes students and colleagues with broadly diverse perspectives, experiences and backgrounds in educational, research or other work activities. Among other qualifications, we would also factor favorably experience overcoming or helping others overcome barriers to an academic career or degree.

University of Miami

Tenure-track or Tenured Faculty Position

The College of Arts and Sciences at the University of Miami invites applications and nominations for one open-rank, tenure-track or tenured faculty position in the department of Computer Science starting August 2014. Candidates must possess a Ph.D. in Computer Science or in a closely-related discipline with strong research expertise in areas related to Computational Neuroscience.

The College is strongly committed to Brain Science and has recently acquired a research-dedicated 3 Tesla fMRI for human brain imaging, which is available as a resource. Faculty in the Department of Psychology and other College departments and/or the School of Medicine are available for collaboration.

The successful candidate will be expected to teach at both undergraduate and graduate levels and to develop and maintain an internationally recognized research program. To be considered at Associate or Full Professor level the candidate must have a proven record of successful independent teaching and research.

Applicants should submit a cover letter, CV, research plan, statement of teaching philosophy, sample preprints or reprints, and the names of at least three references online to http://search.cs.miami.edu.

Review of applications will begin November 15, 2013 and continue until the position is filled. Information about the College can be found at http://www.as.miami.edu/.

The University of Miami offers competitive salaries and a comprehensive benefits package including medical and dental benefits, tuition remission, vacation, paid holidays and much more. The University of Miami is an equal opportunity/affirmative action employer that values diversity and has progressive work-life policies. Women, persons with disabilities, and members of other underrepresented groups are encouraged to apply.

The University of Michigan, Ann Arbor

Department of Electrical Engineering and Computer Science

Computer Science and Engineering Division

Faculty Positions

Applications and nominations are solicited for multiple faculty positions in the Computer Science and Engineering (CSE) Division. Highly qualified candidates from all areas of computer science and computer engineering will be considered for positions at all levels and are encouraged to apply. Particularly

Professional Opportunities

encouraged are applicants with research interests in the following areas.

1. Software Systems, including distributed systems and networking.
2. Computer Vision, including research applied to robotics and transportation problems.
3. Medical Computing, including machine learning, big data, probabilistic reasoning, and visualization approaches to medicine and, more broadly, healthcare.
4. Theoretical Computer Science, in which we are particularly interested in candidates for an endowed professorship at the Associate or Full Professor level.

Qualifications include an outstanding academic record, a doctorate or equivalent in computer science or computer engineering or a discipline relevant to the above areas, and a strong commitment to teaching and research. Applications must be received by January 1, 2014.

To apply, please complete the form at: http://www.eecs.umich.edu/eecs/jobs/csejobs.html.

Electronic applications are strongly preferred, but you may alternatively send resume, teaching statement, research statement and names of three references to:

Professor Satinder Singh Baveja, Chair,
CSE Faculty Search
Department of Electrical Engineering and Computer Science
University of Michigan
2260 Hayward Street
Ann Arbor, MI 48109-2121

The University of Michigan is a Non-Discriminatory/Affirmative Action Employer with an Active Dual-Career Assistance Program. The college is especially interested in candidates who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community.

University of Minnesota

College of Science and Engineering

Faculty Positions in Robotics, Sensors, and Manufacturing

The University of Minnesota is pleased to announce an initiative on Robotics, Sensors, and Manufacturing, funded by the State of Minnesota. In support of the initiative, the College of Science and Engineering (CSE) invites applications for multiple tenure-track and tenured positions in disciplinary areas including, but not limited to, robotics and automation, control and dynamical systems, machine learning and intelligence, image processing and computer vision, neuroengineering, materials, devices and systems for novel sensing and actuation, and digital manufacturing.

Successful candidates are expected to have strong commitments to cross-disciplinary collaboration in research and teaching in both undergraduate and graduate levels. Candidates must hold a PhD at the time of appointment in an area appropriate for the initiative.

Please apply online via the University of Minnesota Employment System: employment.umn.edu/applicants/Central?quickFind=114667

Applications should include a cover letter referencing the Robotics, Sensors and Manufacturing faculty positions, detailed curriculum vitae, statements on teaching and research interests, and a list of three references with contact information (including email addresses. Review of applications will begin immediately and continue until the positions are filled. Successful candidates will be appointed as early as fall semester 2014.

The University of Minnesota is an equal opportunity educator and employer.

The University Of Minnesota – Twin Cities

Department of Computer Science and Engineering

Faculty Positions in Social Computing/Social Media and Robotics

The Department of Computer Science and Engineering at the University of Minnesota-Twin Cities invites applications from candidates for a faculty position in Social Computing/Social Media and multiple positions in Robotics. Specific topics of interest for the first position include social media analysis, crowdsourcing, geosocial systems, and data mining. Specific topics of interest for the Robotics positions include grasping, manipulation, legged locomotion, sensing and estimation, distributed decision making, machine learning, computer vision, robot design, algorithmic foundations, and embedded systems. We encourage applications from women and under- represented minorities. Candidates should have a PhD in Computer Science or a closely related discipline.

The positions are open until filled, but for full consideration apply at www.cs.umn.edu/employment/faculty by December 13, 2013.

The University of Minnesota is an equal opportunity employer and educator.

University of Nevada, Reno

Three tenure-track Assistant Professor Faculty Positions

The CSE Department invites applications for three tenure-track Assistant Professor Faculty positions in CSE. One position is in the area of cybersecurity and one is in the area of advanced manufacturing with emphasis in robotics and automation, and digital manufacturing. The third position is open to all research areas, while candidates with expertise in embedded systems, computer architecture, high-performance computing for modeling, simulation and analysis, big data and cloud computing may be given preference. The department is dynamic and plans to strategically grow in the future. Our faculty have received NSF Career awards and are leaders in state-wide and multi-state multi-million dollar NSF awards. Our research is supported by NSF, DoD, NASA, Google, Microsoft and AT&T. The department's annual research expenditures have exceeded $2M in past years. We offer BS, MS, and Ph.D. degrees and have strong research and education programs in Intelligent Systems, Networks, Software Systems, and Games. Applicants must have a Ph.D. in Computer Science or Computer Engineering by July 1, 2014. Candidates must be strongly committed to excellence in research and teaching and should demonstrate potential for developing robust externally funded research programs.

Apply online at https://www.unrsearch.com/postings/13561. Review of applications will begin January 15, 2014. Inquiries should be directed to Ms. Lisa Cody, lacody@unr.edu. UNR, Nevada's land-grant university, has close to 19,000 students.

Reno is a half-hour drive to beautiful Lake Tahoe, an area that offers fantastic hiking and ski opportunities. San Francisco is within a four-hour's drive. UNR is an Equal Opportunity /Affirmative Action Institution.

University of New Orleans

Computer Science

Assistant Professor

The Computer Science Department invites applications for two tenure-track positions at the rank of Assistant Professor to begin Spring 2014. The department has a particular interest in specialists in Software Engineering and Big Data but will give serious consideration to excellent applicants from any of the computing fields.

Additional information on the two positions can be found at: http://www.cs.uno.edu/programs/trackassistantposition.php.

Applicants should e-mail a resume and the names of at least three references to the Search Committee: search@cs.uno.edu.

The State University of New York at Buffalo

Department of Computer Science and Engineering

Multiple Faculty Positions at Full, Associate, and Assistant Professor Levels

Junior and Senior Positions in All Core Areas

We invite outstanding candidates to apply for several tenured or tenure-track faculty positions at all ranks. We welcome qualified applicants in all core areas of Computer science and Engineering, especially Robotics, Software Systems, Hardware Systems,

Professional Opportunities

Big Data Analytics, Cloud computing, and Theory/ Algorithms.

Junior Position in Cyber-Physical Systems and Analytics

We invite outstanding candidates to apply for an opening at the assistant professor level to work closely with the newly established Institute of Sustainable Transportation and Logistics (ISTL). Research areas of interest include, but are not limited to: cyber-physical systems; connected and automated vehicles; data-acquisition and analysis; and end-to-end workflow process management.

The Department of Computer Science and Engineering has 34 tenured and tenure-track faculty and four teaching faculty members. Eight members of our faculty are NSF CAREER award recipients. Our faculty members are actively involved in successful interdisciplinary programs and centers devoted to biometrics, bioinformatics, biomedical computing, cognitive science, document analysis and recognition, high performance computing, information assurance and cyber security, and computational & Data science and engineering.

Candidates are required to have a Ph.D. in Computer Science/Engineering or related field by August 2014, and should demonstrate potential for excellence in research, teaching and mentoring.

Applications should be submitted by December 31, 2013, electronically via http://www.ubjobs.buffalo.edu/.

The State University of New York at Buffalo is an Equal Opportunity Employer/Recruiter.

The University of North Texas

Department of Computer Science and Engineering

Assistant Professor and Lecturers

The Department of Computer Science and Engineering at the University of North Texas (UNT) is seeking candidates for one tenure track faculty position at the Assistant Professor level and two non-tenure track Lecturers beginning August 15, 2014.

The tenure track faculty position will expand our existing strengths in Natural Language Processing and closely related areas. This tenure track faculty position will expand our existing strengths in Natural Language Processing and closely related areas. Outstanding candidates with significant publication records and research funding in other areas will also be considered. Candidates should have demonstrated the potential to excel in research in one or more of the areas and in teaching. A Ph.D. in Computer Science or a closely related field is required at the time of appointment.

The lecturer positions will focus on introductory courses spanning all programs in Computer Science and Engineering and advanced undergraduate courses in Computer Engineering. A Ph.D. in Computer Science, Computer Engineering, or a closely related field is required at the time of appointment.

The Computer Science and Engineering department is home to 790 Bachelors students, 150 Masters students and 82 Ph.D. students. Additional information about the department is available at the department's website at: www.cse.unt.edu.

Application Procedure:

All applicants must apply online to: https:// facultyjobs.unt.edu. Submit nominations and questions regarding the tenure track position to Dr. Yan Huang (huangyan@unt.edu), and regarding the Lecturer positions to Dr. Armin R. Mikler (mikler@cse.unt.edu).

Application Deadline:

The committee will begin its review of applications on November 1, 2013 and continue to accept and review applications until the positions are closed.

The University:

A student-focused public research university, UNT is the nation's 25th largest public university and the largest, most comprehensive in the Dallas-Fort Worth area. It is dedicated to providing an excellent educational experience to its 36,000 students while powering the North Texas region through innovative education and research. UNT's ultimate mission is to give a green light to greatness by helping its students, region, state and nation excel.

The University of North Texas is an AA/ADA/EOE committed to diversity in its educational programs.

University of Oregon

Department Of Computer and Information Science

Faculty Position

The Department of Computer and Information Science (CIS) seeks applications for a tenure track faculty position at the rank of Assistant Professor, beginning Fall 2014. The University of Oregon is an AAU research university located in Eugene, two hours south of Portland, and within one hour's drive of both the Pacific Ocean and the snow-capped Cascade Mountains.

The department seeks candidates in one of our focus areas – parallel computing, distributed systems, and data sciences. We will also consider candidates in theoretical computer science who can collaborate with faculty members in our focus areas or in security. Applicants must have a Ph.D. in computer science or closely related field, a demonstrated record of excellence in research, and a strong commitment to teaching. A successful candidate will be expected to conduct a vigorous research program and to teach at both the undergraduate and graduate levels.

We offer a stimulating, friendly environment for collaborative research both within the department, which expects to grow substantially in the next few years, and with other departments on campus. The CIS Department is part of the College of Arts and Sciences and is housed within the Lorry Lokey Science Complex. The department offers B.S., M.S. and Ph.D. degrees. More information about the department, its programs and faculty can be found at http://www.cs.uoregon.edu.

Applications will be accepted electronically through the department's web site. Application information can be found at http://www.cs.uoregon.edu/Employment/. Review of applications will begin January 15, 2014, and continue until the position is filled. Please address any questions to faculty.search@cs.uoregon.edu.

The University of Oregon is an equal opportunity/ affirmative action institution committed to cultural diversity and is compliant with the Americans with Disabilities Act. We are committed to creating a more inclusive and diverse institution and seek candidates with demonstrated potential to contribute positively to its diverse community.

University of Rochester

Department of Computer Science

Faculty Positions in Computer Science: Experimental Systems and Data Science

The University of Rochester Department of Computer Science seeks applicants for multiple tenure track positions in the broad areas of experimental systems and data science research (including but not exclusively focused on very large data-driven systems, machine learning and/or optimization, networks and distributed systems, operating systems, sustainable systems, security, and cloud computing). Candidates must have a PhD in computer science or a related discipline.

Apply online at https://www.rochester.edu/fort/csc.

Consideration of applications at any rank will begin immediately and continue until all interview slots are filled. Candidates should apply no later than January 1, 2014 for full consideration. Applications that arrive after this date incur a probability of being overlooked or arriving after the interview schedule is filled up.

The Department of Electrical and Computer Engineering (http://www.ece.rochester.edu/about/jobs.html) is also searching for a candidate broadly oriented toward data science. While the two searches are concurrent and plan to coordinate, candidates should apply to the department/s that best matches their academic background and interests.

The Department of Computer Science is a research-oriented department with a distinguished history of contributions in systems, theory, artificial intelligence, and HCI. We have a collaborative culture and strong ties to electrical and computer engineering, cognitive science, linguistics, and several departments in the

Professional Opportunities

medical center. Over the past decade, a third of the department's PhD graduates have won tenure-track faculty positions, and its alumni include leaders at major research laboratories such as Google, Microsoft, and IBM.

The University of Rochester is a private, Tier I research institution located in western New York State. It consistently ranks among the top 30 institutions, both public and private, in federal funding for research and development. The university has made substantial investments in computing infrastructure through the Center for Integrated Research Computing (CIRC) and the Health Sciences Center for Computational Innovation (HSCCI). Teaching loads are light and classes are small. Half of all undergraduates go on to post-graduate or professional education. The university includes the Eastman School of Music, a premiere music conservatory, and the University of Rochester Medical Center, a major medical school, research center, and hospital system. The greater Rochester area is home to over a million people, including 80,000 students who attend its 8 colleges and universities.

The University of Rochester has a strong commitment to diversity and actively encourages applications from candidates from groups underrepresented in higher education. The University is an Equal Opportunity Employer.

The University of Tennessee

Department of Statistics, Operations, and Management Science

Tenure-track Assistant Professor

The University of Tennessee, College of Business Administration, Department of Statistics, Operations, and Management Science. Tenure-track assistant professor in Business Analytics, beginning August 2014. Commitment to publish scholarly research in top-tier journals; primary research interest should include developing analytic tools relevant to business. Work experience in business analytics role highly valued. Teaching at all levels expected.

Full description and application procedures at: http://bus.utk.edu/soms/analytics/position.htm.

The University of Tennessee is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA institution.

The University of Tennessee

Electrical Engineering and Computer Science

One (1) Professor in Software Engineering and Four (4) positions for Tenure-track Assistant/Associate professor in Electrical Engineering and Computer Science.

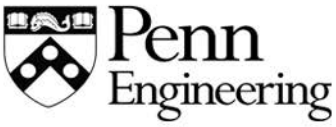
The Department of Electrical Engineering and Computer Science at The University of Tennessee, Knoxville (UTK) is seeking applications for the following.

One (1) Professor in Software Engineering and Four (4) Tenure-track Associate or Assistant faculty positions in Power Systems, Communications and Controls, Computer Science and Computer Engineering. Successful candidates will be expected to teach at both undergraduate and graduate levels, to establish a vigorous funded research program. The Department currently enrolls over 500 undergraduate and 228 graduate students.

The EECS Department is in the midst of a growth phase thanks to gifts from alumnus Dr. Min Kao and other donors, in addition to state funding, totaling over $50M. These funds have been directed to the new building which opened in Spring 2012, as well as various endowments. The University of Tennessee and Battelle manage the nearby Oak Ridge National Laboratory, which provides further research opportunities. Information about the EECS Department can be found at http://www.eecs.utk.edu.

Depending on the posted position, applicants should have an earned Ph.D. in Electrical Engineering, Computer Engineering, Computer Science or related field. Applicants should have outstanding potential for establishing an independent research and teaching

Department of Electrical and Systems Engineering



Tenured/Tenure-Track Faculty Position

The Department of Electrical and Systems Engineering of the School of Engineering and Applied Science at the University of Pennsylvania invites applications for tenured and tenure-track faculty positions at all levels. Candidates must hold a Ph.D. in Electrical Engineering, Systems Engineering, or related area. The department seeks individuals with exceptional promise for, or proven record of, research achievement, who will take a position of international leadership in defining their field of study, and excel in undergraduate and graduate education. Leadership in cross-disciplinary and multi-disciplinary collaborations is of particular interest. We are interested in candidates in all areas that enhance our research strengths in

1. Nanodevices and nanosystems (nanophotonics, nanoelectronics, integrated devices and systems at nanoscale),
2. Circuits and computer engineering (analog and digital circuits, emerging circuit design, computer engineering, embedded systems), and
3. Information and decision systems (communications, control, signal processing, network science, markets and social systems).

Prospective candidates in all areas are strongly encouraged to address large scale societal problems in energy, transportation, health, economic and financial networks, critical infrastructure, and national security. Diversity candidates are strongly encouraged to apply. Interested persons should submit an online application at http://facultysearches.provost.upenn.edu/postings/40 including curriculum vitae, statements of research and teaching interests, and the names of at least four references. Review of applications will begin on December 1, 2013.

The University of Pennsylvania is an Equal Opportunity Employer.
Minorities/Women/Individuals with Disabilities/Veterans are encouraged to apply.

Professional Opportunities

program in their field and should be capable of working with other faculty to further strengthen the department's existing research programs.

Interested candidates should apply through the departmental web site at http://www.eecs.utk.edu/resources/employment/ and submit a letter of application, a curriculum vitae, a statement of research and teaching interests, and contact information for three references. Review of applications will begin on December 15, 2013, and continue until the position is filled.

The University of Tennessee is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA institution in the provision of its education and employment programs and services.

University of Texas at Austin

Department of Computer Science

Assistant/Associate/Full Professor Positions

The Department of Computer Science of the University of Texas at Austin invites applications for tenure-track positions at all levels. Outstanding candidates in all areas of Computer Science will be considered, particularly in Formal Methods, Big Data, and Robotics. All tenured and tenure-track positions require a Ph.D. or equivalent degree in computer science or a related area at the time of employment.

Successful candidates are expected to pursue an active research program, to teach both graduate and undergraduate courses, and to supervise graduate students. The department is ranked among the top ten computer science departments in the country.

It has 44 tenured and tenure-track faculty members across all areas of computer science. Many of these faculty participate in interdisciplinary programs and centers in the University, including the Texas Advanced Computing Center (TACC), and those in Computational and Applied Mathematics, Computational Biology, and Neuroscience.

Austin, the capital of Texas, is a center for high-technology industry, including companies such as IBM, Dell, Freescale Semiconductor, Advanced Micro Devices, National Instruments, AT&T, Intel and Samsung. For more information please see the department web page http://www.cs.utexas.edu/.

The department prefers to receive applications online, beginning September 3, 2013. To submit yours, please visit http://www.cs.utexas.edu/faculty/recruiting.

Applicants for an assistant professor position must have at least three (3) referees send letters of reference directly to the address provided. Applicants for a tenured position (associate or full professor) must have at least six (6) referees send letters of reference directly.

Inquiries about your application may be directed to faculty-search@cs.utexas.edu. For full consideration of your application, please apply by January 31, 2014. Complete applications (including all reference letters) will begin being reviewed on December 16th. Women and minority candidates are especially encouraged to apply. The University of Texas is an Equal Opportunity Employer.

University of Texas

School of Information

Assistant, Associate, or Full Professor

The School of Information at The University of Texas at Austin invites applications for a full-time, tenure-track faculty position, anticipated to start in Fall 2014. We are considering applicants at both the junior and senior levels. Rank and salary will be commensurate with qualifications and experience. Exceptional candidates may be considered for an endowed professorship.

We only seek candidates with excellent research and teaching abilities and a commitment to shaping the future of the school and the discipline of information studies. We welcome applications from candidates who can enhance our offerings in any area of information studies but we particularly welcome applications in the areas of data analytics, human-computer interaction, and archival studies. Technically oriented applicants with strong project evaluation skills and deep knowledge of relevant psychological, social, and cultural theories are of particular interest. Archival studies scholars with interdisciplinary interests in both digital and paper materials, and who possess the ability to offer new perspectives on archival study, are especially encouraged to apply.

Candidates must hold a doctorate degree in a field that is relevant to their area of research and be able to articulate clearly in their application materials a research agenda that fits within the School's core areas of focus.

Our school is a unique mix of interdisciplinary expertise and our program is continually ranked among the top ten nationally in information studies. Admission to our graduate-only degree programs is highly competitive. Our students are high academic achievers, many of them with undergraduate majors in the humanities or social sciences. With over 20 faculty members and lecturers, the School is home to approximately 300 graduate students. We offer a Masters and Ph.D. degree in Information Studies, multiple joint-degrees with academic programs on campus, and will be launching new joint degree programs with Computer Science and with English in the near future. The School moved into new facilities in 2009 with extended labs and class space, and offers cutting-edge research and education on the human, social, and cultural aspects of information, broadly construed. You can find out more about our school at www.ischool.utexas.edu.

THE UNIVERSITY OF TEXAS AT SAN ANTONIO

Faculty Positions in Computer Science

The Department of Computer Science at The University of Texas at San Antonio invites applications for multiple tenure/tenure-track positions at all levels, starting Fall 2014. We are particularly interested in candidates in

- operating systems, distributed systems, or computer architecture at the assistant or associate professor level,
- big data/data science at the assistant or associate professor level, and
- cyber security (especially systems security) at the associate or full professor level.

Outstanding candidates in other areas will also be considered.

The Department of Computer Science currently has 22 faculty members and offers B.S., M.S., and Ph.D. degrees supporting a dynamic and growing program with 801 undergraduates and more than 190 graduate students, including 85 Ph.D. students. See http://www.cs.utsa.edu/fsearch for application instructions and additional information on the Department of Computer Science.

Screening of applications will begin on January 2, 2014 and will continue until the positions are filled or the search is closed. UTSA is an EO/AA Employer.

Chair of Faculty Search Committee
Department of Computer Science
The University of Texas at San Antonio
One UTSA Circle
San Antonio, TX 78249-0667
Phone: 210-458-4436

Professional Opportunities

Applications will be accepted until the position is filled, but we will begin to evaluate applications and invite candidates on November 1, 2013. Send inquiries and applications, including curriculum vitae, a statement outlining how you see a fit with our program, and the names of and contact information for three references by email to: facultysearch@ischool.utexas.edu.

University of Texas Pan American

Computer Science Department – Computer Engineering

2 Assistant Professors

The Department of Computer Science (http://utpa.edu/cs) at the University of Texas-Pan American (UTPA) (http://utpa.edu) seeks applications for two tenure-track Assistant Professor positions in Computer Engineering (F13:14-028).

Please go to www.utpa.edu/human resources/employment.pdf for complete job description.

University of Texas at San Antonio

Office of Information Technology

Endowed Assistant Professors in Cloud Computing

The University of Texas at San Antonio (UTSA) invites applications for multiple endowed Assistant Professor positions in Cloud Computing Technologies beginning August 2014. All cloud computing research areas will be considered, but high preference will be given to candidates with primary expertise in the areas of system architecture, hardware/software structures, virtualization, performance, dependability, scalability, cyber security, power management, risk assessment, system management, as well as economic, business and organizational analyses. Candidates must have a Ph.D. degree at the time of hire in Information Systems/Technology, Computer Science, Electrical/Computer Engineering, or in a related area with outstanding academic credentials that clearly demonstrate their ability to conduct independent and successful research and teaching in cloud computing. Candidates must have excellent communication skills with a commitment to engage in a first-rate undergraduate and graduate education. Responsibilities for the positions include research, teaching at both the graduate and undergraduate levels, and development of programs.

UTSA offers degree programs in Computer Science (B.S., M.S., Ph.D.), Computer Engineering (B.S., M.S.), Electrical Engineering (B.S., M.S., Ph.D.), and Information Technology (B.B.A., M.S., Ph.D.), supporting dynamic and growing programs. The research activities and experimental facilities are well supported by various federal research and infrastructure grants. Successful applicants will have qualifications suitable to hold a tenured position in one (or more) of three departments at the university: Computer Science (http://www.cs.utsa.edu), Electrical and Computer Engineering (http://www.ece.utsa.edu), or Information Systems and Cyber Security (http://business.utsa.edu/it/index.aspx).

Applications should include a cover letter, a complete resume, research and teaching statements as well as the names, addresses and telephone numbers of at least three references. Incomplete applications will not be considered. Applications must have "Assistant Professor in Cloud Computing" in the subject line. Applicants who are invited to campus for interviews must be able to show proof that they will be eligible and qualified to work in the United States by the time of hire. Applications may be emailed to UTSAcloudsearch2014@utsa.edu or sent by regular mail to:

Chair of Faculty Search Committee, Open Cloud Computing Initiative
Office of Information Technology
The University of Texas at San Antonio
One UTSA Circle
San Antonio, TX 78249

Review of completed applications will begin immediately and will continue until all positions are filled. UTSA is an Affirmative Action/Equal Employment Opportunity Employer. Women, minorities, veterans, and individuals with disabilities are encouraged to apply.

University of Utah

Tenure-Track Faculty Position Openings

The University of Utah's School of Computing is seeking to hire four tenure-track faculty members at the assistant professor level. Applications will be considered at more advanced ranks in exceptional cases. The School is a demonstrated leader in research that spans multiple areas within computer science and also crosses disciplinary boundaries. Our priority areas are:

- Computer Security
- Operating Systems and Distributed Systems
- Big Data Analytics and Scalable Computation: principled approaches to big data analytics with a focus on the development of scalable techniques that are efficient for large scale storage and computing infrastructures.

Postdoctoral Fellowships
at the Institute for Quantum Computing

IQC.UWATERLOO.CA

The Institute for Quantum Computing is inviting applications for postdoctoral positions in all aspects of quantum information processing, bridging areas from fundamental theory to physical implementations.

Quantum information science aims to develop transformational technologies that harness the power of quantum mechanics. The Institute for Quantum Computing (IQC) is a world-leading institute for research in quantum information at the University of Waterloo. IQC has 20 faculty members whose research programs span the areas of Applied Mathematics, Chemistry, Combinatorics & Optimization, Computer Science, Electrical & Computer Engineering, and Physics & Astronomy. IQC members have the opportunity to interact with other research groups at the University, such as the Centre for Applied Cryptographic Research, and with the nearby Perimeter Institute for Theoretical Physics. New infrastructure including a state-of-the-art nanofabrication and metrology centre is supporting an expansion of our experimental research programs. This year, IQC has expanded into the new Mike and Ophelia Lazaridis Quantum-Nano Centre, a state-of-the-art facility at the heart of the University of Waterloo campus, which provides unprecedented opportunities for research, collaboration and innovation.

IQC seeks promising candidates to help advance our understanding of the foundations of quantum information, to develop new quantum applications and algorithms, and to implement these ideas in laboratory experiments and engineered systems. A PhD and proven ability, or strong potential, for excellence in research is required.

To learn more about IQC and for information on how to join as a postdoctoral fellow, please visit the positions link at **iqc.uwaterloo.ca**

The preferred deadline for receiving applications is November 1, 2013, but late applications may be considered until positions are filled. Candidates are also encouraged to visit the NSERC (**www.nserc-crsng.gc.ca**) website to learn about the prestigious Banting Postdoctoral Fellowship.

Professional Opportunities

ASSISTANT/ASSOCIATE/FULL PROFESSOR of BIOSTATISTICS or BIOINFORMATICS
DEPARTMENT OF BIOSTATISTICS & MEDICAL INFORMATICS
UNIVERSITY OF WISCONSIN SCHOOL OF MEDICINE & PUBLIC HEALTH
and
MORGRIDGE INSTITUTE FOR RESEARCH

The Department of Biostatistics & Medical Informatics (BMI) at the University of Wisconsin School of Medicine & Public Health (SMPH), in collaboration with the Morgridge Institute for Research (MIR), seeks a tenure track assistant/associate/full professor starting by August 2014. Candidates should have a PhD in Biostatistics, Statistics, Bioinformatics, Computational Biology, Biomedical Informatics, Computer Sciences, or a closely related quantitative area, and demonstrated ability to work in a collaborative, interdisciplinary environment.

Relevant expertise may include, but is not limited to, high-dimensional inference, data integration, graphical modeling, experimental design, network analysis, statistical genetics/genomics, machine learning, optimization, combinatorial algorithms, and image analysis. The incumbent will conduct, publish, and disseminate collaborative and methodological research at the forefront of his/her discipline, including maintaining his/her own independent research program. Attracting and maintaining external funding are parts of the position expectations. Responsibilities will include training graduate students, teaching one BMI course per year, and participating in professional, university, and community service appropriate to rank.

The successful candidate will join the BMI Department, home to faculty with expertise in bioinformatics; clinical informatics; image analysis; biostatistics; and statistical genetics and genomics. Faculty collaborate with scientists across UW and the state, including MIR, the Wisconsin Institute for Discovery, the Institute for Clinical and Translational Research, the Carbone Cancer Center, and the Marshfield Clinic Research Foundation. The Department maintains strong ties to the world-class Departments of Computer Sciences, Statistics, and Industrial & Systems Engineering, through which many of its graduate students are trained.

Simultaneously, the successful candidate will join an energetic team of investigators in the Virology Focus Area of MIR, which is furthering understanding and control of viruses and their roles in human disease. The interdisciplinary environment of MIR provides an exciting context for quantitative methodological, computational, and theoretical advances expected of a tenured or tenure track professor in BMI. MIR is part of the twin institutes of the Wisconsin Institutes for Discovery, a public-private initiative that facilitates interdisciplinary research and breakthrough discoveries to advance human health and well-being. The ultra-modern MIR laboratory and computational research facility is located across the street from the BMI suite of offices on the central UW-Madison campus, and has become a hub of collaborative scholarship.

The University of Wisconsin-Madison is a world-class academic institution with an international reputation for basic, applied, and interdisciplinary research. UW-Madison recently surpassed $1 billion in annual research expenditures and ranks third in the nation in science and engineering expenditures. Madison provides a vibrant, culturally rich environment highly ranked in national surveys for quality of life.

To ensure full consideration, applications must be received by **December 15, 2013**. Please see PVL #77619,

http://www.ohr.wisc.edu/WebListing/Unclassified/PVLSummary.aspx?pvl_num=77619 ,

for application procedures.

AA/EOE. Women and minorities are encouraged to apply. Unless confidentiality is requested in writing, information regarding the applicants must be released upon request. Finalists cannot be guaranteed confidentiality. A criminal background check will be required prior to employment.

Professional Opportunities

- 3D Computer Vision: 3D analysis of objects and scenes from active and passive sensor data, such as multi-view 2D images, video, range data, structured light, fusion of multiple sensors, etc.

Applicants must have earned a Ph.D. in Computer Science or a closely related field and have a strong research presence and publication record in top tier venues in the applicable area.

The University of Utah is located in Salt Lake City, the hub of a large metropolitan area with excellent cultural facilities and unsurpassed outdoor recreation opportunities just a few minutes away from campus. Additional information about the school and our current faculty can be found at http://www.cs.utah.edu. Please send curriculum vitae, a research goals statement, a teaching goals statement, and names and addresses of at least four references. Please go to the following link to apply:

Computer Security position
http://utah.peopleadmin.com/postings/27142

Operating Systems and Distributed Systems position
http://utah.peopleadmin.com/postings/27491

3D Computer Vision position
http://utah.peopleadmin.com/postings/27493

Big Data Analytics and Scalable Computation position
http://utah.peopleadmin.com/postings/27494

Review of applications will begin after December 1st and will continue until the positions are filled

The University of Utah is an Equal Opportunity/ Affirmative Action employer and educator. Minorities, women, and persons with disabilities are strongly encouraged to apply. Veterans preference. Reasonable accommodations provided. For additional information: http://www.regulations.utah.edu/humanResources/5-106.html.

The University of Utah values candidates who have experience working in settings with students from diverse backgrounds, and possess a strong commitment to improving access to higher education for historically underrepresented students.

University of Virginia

Department of Computer Science - School of Engineering and Applied Science

Open Rank Faculty Position

Two hundred years ago, Thomas Jefferson founded the University of Virginia with a vision "to advance the knowledge and well-being of mankind, not infinitely, as some have said, but indefinitely." The Department of Computer Science seeks to fill one or more tenure-track faculty positions to help us continue this mission. We are interested in candidates from all areas and at all levels of seniority. We are primarily interested in the originality and potential impact of your ideas, as well as your capability and inclination to make the world a better place.

UVA is located in Charlottesville, Virginia. Situated in the beautiful foothills of the Blue Ridge Mountains and in close proximity to Washington, DC, Charlottesville consistently ranks among the top cities to live and work. The University is a Carnegie Research I University and includes a top-ranked medical school, graduate business school, and law school. UVa is consistently ranked as a top public university. The University of Virginia is an equal opportunity/ affirmative action employer.

The Department of Computer Science is housed in the new, six-story Rice Hall, which serves as the nexus for research in high-performance computing, wireless health, cyber-physical systems, bioinformatics, graphics, security, dependability, cryptography, software engineering, machine learning, and computer vision. Our faculty is comprised of twenty-four active members committed to Jefferson's vision. Our faculty includes fellows of various professional societies, many NSF CAREER award recipients, a Microsoft New Faculty Award Winner, and a Packard Fellow. The University, our location, and our faculty provide a vibrant intellectual environment for research and education in computing and related disciplines.

We expect our faculty members to seek external funding to support their research, to teach at the graduate and undergraduate levels, and to provide service to the Department, the University, and professional organizations. Candidates must hold a Ph.D. in computer science or a related discipline.

We will begin reading applications on December 15, 2013. Our review will continue until the position is filled.

To apply, candidates must submit a Candidate Profile through jobs@UVA (https://jobs.virginia.edu), search on posting number 0612917.

Then go to Interfolio (https://apply.interfolio.com/23187) and attach the following required documents:

- Cover letter
- CV
- Statement of Research Interests
- Statement of Teaching Philosophy
- Contact information for 3 references

For additional information, contact: Christine Palazzolo, cmh3g@virginia.edu

The University of Virginia is an equal opportunity and affirmative action employer committed to developing diversity in faculty and welcomes applications from women, minorities, veterans and persons with disabilities.

University of Washington

Computer Science & Engineering

Tenure-Track, Research, and Teaching Faculty

The University of Washington's Department of Computer Science & Engineering has one or more open positions in a wide variety of technical areas in both Computer Science and Computer Engineering, and at all professional levels. A moderate teaching load allows time for quality research and close involvement with students. Our space in the Paul G. Allen Center for Computer Science & Engineering provides opportunities for new projects and initiatives. The Seattle area is particularly attractive given the presence of significant industrial research laboratories as well as a vibrant technology- driven entrepreneurial community that further enhances the intellectual atmosphere. Information about the department can be found on the web at http://www.cs.washington.edu.

We welcome applicants in all research areas in Computer Science and Computer Engineering including both core and inter-disciplinary areas. We expect candidates to have a strong commitment both to research and to teaching. We are primarily focused on hires at the Assistant or Associate professorial ranks although individuals at senior ranks with exceptional credentials may be considered.. We also may be seeking full-time non-tenured research faculty at Research Assistant, Associate and Professor levels, and full-time postdoctoral researchers (Research Associates). Applicants for both tenure-track and research positions must have earned a doctorate, or foreign equivalent, by the date of appointment. All University of Washington faculty engage in teaching, research and service.

We also are seeking one or more part-time or full-time Lecturers and Sr. Lecturers. Applicants for lecturer positions must have earned at least a Master's degree or have relevant teaching experience in the course area. Lecturers and Sr. Lecturers will be hired on an annual or multi-annual appointment.

Please apply online at https://norfolk.cs.washington.edu/apply with a letter of application, a complete curriculum vitae, statement of research and teaching interests, and the names of four references. Applications received by December 1, 2013 will be given priority consideration. Open positions are contingent on funding.

The University of Washington was awarded an Alfred P. Sloan Award for Faculty Career Flexibility in 2006. In addition, the University of Washington is a recipient of a National Science Foundation ADVANCE Institutional Transformation Award to increase the participation of women in academic science and engineering careers. We are building a culturally diverse faculty and encourage applications from women and minority candidates. The University of Washington is an affirmative action, equal opportunity employer.

Professional Opportunities

The University of Washington

Information School

Tenure Track Faculty Positions

The University of Washington Information School is seeking outstanding individuals to fill full-time 9-month tenure-track positions in the areas of Information Management; Information Visualization and Analytics; and Information Assurance and Cybersecurity.

Our new colleagues will join a broad-based, inclusive information school. Faculty members teach across programs. University of Washington faculty engage in teaching, research and service. Successful candidates will show a commitment to bridging research and practice. Applicants must have a Ph.D. or equivalent degree by date of appointment.

For complete position announcements and information on how to apply visit http://ischool.uw.edu/jobs/faculty.

The University of Washington is an affirmative action, equal opportunity employer. The University is building a culturally diverse faculty and staff, and strongly encourages applications from women, minorities, individuals with disabilities and covered veterans. Applicants may find further information about the UW Information School at ischool.uw.edu.

University of Washington, Seattle Campus

Department of Computer Science & Engineering (CSE) and Department of Statistics (Stat)

Open-Rank Tenured or Tenure-Track Faculty Position

The Provost of the University of Washington has launched a major effort focused on Data-Driven Discovery, with a commitment to hire several new faculty in this area. In support of this effort, we are seeking candidates for one open-rank tenured or tenure-track faculty position jointly in the Department of Computer Science & Engineering and the Department of Statistics at the University of Washington. This position will be a full-time joint appointment in both departments with precise percentages as appropriate for the candidate.

The new faculty will also participate in the UW eScience Institute.

We encourage applications from exceptional candidates at the intersection of computer science and statistics, with a particular focus on machine learning and large-scale statistical analysis. We expect candidates to have a strong commitment to both research and teaching. The joint position will be primarily focused on hires at the Assistant Professor or Associate Professor levels although individuals at senior ranks with exceptional credentials may be considered. Applicants must have earned a PhD, or foreign equivalent, by the date of appointment. All University of Washington faculty engage in teaching, research and service.

The CSE and Stat departments are located less than 5 minutes apart on the Seattle campus, enabling cross department collaborations and initiatives. The Seattle area is particularly attractive given the presence of significant industrial research laboratories, a vibrant technology-driven entrepreneurial community, and spectacular natural beauty.

VirginiaTech
Invent the Future®

Faculty Positions Available in the Department of Computer Science

The Department of Computer Science at Virginia Tech (**www.cs.vt.edu**) seeks applicants for tenure-track junior faculty positions in four areas: machine learning, algorithms, human-computer interaction, and software engineering/programming languages. Candidates should have a PhD in Computer Science or related field at the time of appointment, a record of scholarship and collaboration in computing and interdisciplinary areas, demonstrated ability to contribute to teaching at the undergraduate and graduate levels, the skills to establish and grow a successful research group, and sensitivity to issues of diversity in the campus community. Selected candidates are expected to travel occasionally to attend professional conferences/meetings.

ASSISTANT PROFESSOR IN MACHINE LEARNING: Full-time tenure-track position, at the rank of Assistant Professor, for outstanding candidates with expertise in machine learning and an interest in tackling real problems in the context of multidisciplinary collaborations in the *Discovery Analytics Center* (**dac.cs.vt.edu**). There also are rich opportunities in a highly collaborative department with strengths in HCI, high performance and scientific computing, computational biology and bioinformatics, information retrieval, software engineering, CyberArts, and CS education. Research on security and personal health informatics is possible in collaboration with the VT-Carilion Research Institute associated with the VT-Carilion School of Medicine. See **www.cs.vt.edu/FacultySearch** for additional information on how to apply online. Inquiries should be directed to **Dr. Adrian Sandu, Search Committee Chair, sandu@cs.vt.edu**.

ASSISTANT PROFESSOR IN ALGORITHMS: Full-time tenure-track position, at the rank of Assistant Professor, for outstanding candidates in theoretical computer science, specifically with research focus in discrete algorithms. It is desirable that the candidate have the ability to develop synergistic collaborations with established research areas such as computational biology and bioinformatics, cyber security, and data mining. See **www.cs.vt.edu/FacultySearch** for additional information on how to apply online. Inquiries should be directed to **Dr. Lenny Heath, Search Committee Chair, heath@vt.edu**.

ASSISTANT PROFESSOR IN HUMAN-COMPUTER INTERACTION: Full-time tenure-track position, at the rank of Assistant Professor, for outstanding candidates with expertise in HCI. The department is especially interested in candidates in sub-areas of HCI involving human interaction with big data or advanced technologies, such as large-scale data visualization and/or human-robot interaction. Nevertheless, candidates from all areas of HCI are encouraged to apply. Candidates will have opportunities for collaboration in the interdisciplinary Center for Human-Computer Interaction (**hci.vt.edu**), a university-wide effort that brings together faculty with strengths in multi-sensory interactive communication, ecologies of displays and devices, social/collaborative computing, and human aspects of data/information/ knowledge. See **www.cs.vt.edu/FacultySearch** for additional information on how to apply online. Inquiries should be directed to **Dr. Doug Bowman, Search Committee Chair, bowman@vt.edu**.

ASSISTANT PROFESSOR IN SOFTWARE ENGINEERING/PROGRAMMING LANGUAGES: Full-time tenure-track position, at the rank of Assistant Professor, for outstanding candidates with research breadth across several areas of software engineering and/or programming languages (e.g., mobile applications, Web-based software, testing, program analysis, domain specific languages, dynamic languages). See **www.cs.vt.edu/FacultySearch** for additional information on how to apply online. Inquiries should be directed to **Dr. Cal Ribbens, Search Committee** Chair, **ribbens@vt.edu**.

The Department of Computer Science has 36 research oriented tenure-track faculty and 11 research faculty. There are a total 12 NSF/DOE CAREER awards in the department. Research expenditures during FY2013 were $11.7 million; total research funding at the beginning of FY2014 was $34 million. BS, MS, and PhD degrees are offered, with an enrollment of over 550 undergraduate majors (12% women) and over 200 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 6th and graduate program was ranked 12th among public engineering schools in 2013 by *U.S. News & World Report*.

Applicant screening will begin on December 15, 2013 and continue until each position is filled. 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 equal opportunity/affirmative action institution.

Professional Opportunities

Application Instructions:

Please apply online at https://statcse.cs.washington.edu/apply with a letter of application, a complete curriculum vitae, a statement of research and teaching interests, and the names of at least four references. The review of applications will start on November 15, 2013, and those received by January 15, 2014, will be given priority consideration. Open positions are contingent on funding.

The University of Washington was awarded an Alfred P. Sloan Award for Faculty Career Flexibility in 2006. In addition, the University of Washington is a recipient of a National Science Foundation ADVANCE Institutional Transformation Award to increase the participation of women in academic science and engineering careers. We are building a culturally diverse faculty and encourage applications from women and minority candidates. The University of Washington is an affirmative action, equal opportunity employer.

Valparaiso University

Two Positions

Valparaiso University seeks qualified applicants for two positions in Computer Science, at the Assistant and Associate Professor level. Full details about each opening and application instructions can be found at http://www.valpo.edu/provost.

Candidates should be interested in working at a university engaged in issues in Christian higher education in the Lutheran tradition.

Valparaiso University does not unlawfully discriminate and aims to employ persons of various backgrounds and experiences to help constitute a diverse community. Its entire EOE policy can be found at http://www.valpo.edu/ equal opportunity Successful applicants will demonstrate a commitment to cultural diversity and the ability to work with individuals or groups from diverse backgrounds. Employment will require a criminal background check.

Virginia Commonwealth University (VCU)

School of Engineering

Tenure-Track Positions, Computer Science

The Computer Science Department in the School of Engineering at Virginia Commonwealth University (VCU) invites applications for tenure-track positions at the rank of Assistant, Associate and Full Professor. Candidates must have a Ph.D. in computer science or a related area. Junior faculty will be required to have an established research agenda and a clear potential for external funding, and potential for scholarship or creative expression to complement and expand existing expertise in the department and the School of Engineering. At the Associate and Full Professor levels, the faculty member should have a well-developed research portfolio with evidence of multidisciplinary applications and external funding appropriate to complement and expand existing expertise within the department.

Applicants in all areas of computer science will be considered; however, candidates with research focus on biomedical informatics and big data mining who are open to conducting interdisciplinary research are of particular interest. Candidates must desire to actively participate in creating and nurturing a highly collaborative, creative, innovative, and entrepreneurial culture. Collaborations are encouraged with other VCU units such as the nationally top-ranked VCU Medical Center, and Arts and Business Schools. Successful candidates are expected to teach courses at both the undergraduate and graduate levels. Additionally, candidates must have demonstrated experience working in and fostering a diverse faculty, staff, and student environment, or commitment to do so as a faculty member at VCU.

Worcester Polytechnic Institute

Tenure Track Faculty Members

Computer Science Department

Balance. Research & Teaching, Theory & Practice, Innovation & Fundamentals, Classes & Projects. Balance defines life at WPI. If you are that unique individual who strives for and achieves it, consider joining the faculty at WPI.

The Computer Science Department anticipates hiring one or more tenure track faculty for the Fall of 2014 whose expertise is in the following areas:

Computer Security including network, system, or software security, forensics and usable security; Data Sciences including databases, data mining, big data analytics and working with different application domains; Bioinformatics working in a cross-disciplinary program with faculty from Biology and Mathematics; Serious Games working with faculty in our Interactive Media & Game Development as well as our Learning Sciences & Technologies interdisciplinary programs; and Algorithms, particularly with connections to previously listed areas.

In addition to these specific areas, outstanding candidates in any area will receive full consideration. Candidates should have a PhD in Computer Science or a closely related field, and the potential for excellence in research and teaching.

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.

Applications should be submitted per instructions at **http://apptrkr.com/394031**. You will need to include detailed research and teaching statements, vitae and contact information for at least three references.

Review of applications will begin December 15, 2013 and continue until the position is filled.

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

WPI

Professional Opportunities

VCU, the largest urban university in Virginia, is a Carnegie-classified very high research activity university, ranked in the top 100 universities in the U.S. in federal R&D expenditures. The School of Engineering is in an extensive growing stage, doubling the number of faculty and improving the quality of graduate and undergraduate students. Additional information about the VCU School of Engineering can be found at www.egr.vcu.edu.

Review of the applications will continue until suitable candidates are identified. Candidates are to submit applications to cmscsearch@vcu.edu as a single PDF file that includes, in order, a cover letter, curriculum vitae, research and teaching statements, and the names and e-mail addresses of three references (reference letters should be provided only upon request by the search committee).

Virginia Commonwealth University is an equal opportunity/affirmative action employer. Women, minorities, and persons with disabilities are encouraged to apply.

Washington University in St. Louis

Computer Science and Engineering

Tenure-Track Positions

The Department of Computer Science & Engineering at Washington University in St. Louis seeks outstanding tenure-track faculty in all areas of computer science and engineering at the Assistant Professor level. Exceptional candidates may be considered for appointment at the Associate or Full Professor level. The department has been growing and will continue to experience significant growth in the coming years. We seek multiple talented and highly motivated individuals who will build transformative research programs, both through work in core disciplines of computer science and computer engineering and through interdisciplinary collaborations with researchers in areas such as biomedicine, engineering, and the sciences. Successful candidates must show exceptional promise for research leadership and a strong commitment to high-quality teaching. Candidates will be expected to publish their research in peer-reviewed conferences & journals, to teach, and to participate in department and University service.

For full information about this search and application instructions, please visit:

http://cse.wustl.edu/aboutthedepartment/Pages/OpenFacultyPositions.aspx.

Applicants should hold a doctorate in Computer Science, Computer Engineering, or a closely related field. Washington University in St. Louis is an Equal Opportunity and Affirmative Action employer. Applications from women and under-represented minorities are especially encouraged. Employment eligibility verification required upon employment.

Wellesley College

Computer Science

Tenure-Track Assistant Professor

Wellesley College invites applications for a tenure-track Assistant Professor position in the Department of Computer Science, starting in the fall of 2014. The Computer Science Department is strongly committed to outstanding teaching and scholarship, and to providing students with the best possible research experiences. This position has a teaching load of two courses per semester, with the opportunity to develop new courses in the candidate's area of specialty. Ph.D. preferred (ABD considered) in Computer Science or a related discipline. Strong candidates in any area of specialty will be considered. We especially encourage applicants in the fields of systems, software engineering, and artificial intelligence. Information about the department can be found at http://www.wellesley.edu/cs.

Applicants should submit a cover letter and curriculum vitae at https://career.wellesley.edu. The names/email addresses of three references are requested. (The online application will request names/email addresses so that recommenders or dossier services may submit the letters directly.) Applications should also include a statement about teaching experience and interests, and a statement about research accomplishments and plans for the future. Applications will be reviewed starting January 3, 2013. If there are difficulties submitting online, please contact working@wellesley.edu for assistance. Questions about the position should be directed to Ellen Hildreth at ehildreth@wellesley.edu.

Wellesley College is especially interested in candidates who can contribute to the diversity and excellence of the academic community through their research, teaching and/or service. We are dedicated to building a culturally diverse and pluralistic faculty, and strongly encourage applications from underrepresented minorities and women.

Williams College

Department of Computer Science

Visiting Faculty Position

The Department of Computer Science at Williams College invites applications for a one year visiting faculty position beginning in the fall of 2014. Candidates should have a commitment to excellence in teaching and should have a Ph.D., or made significant progress towards completing a Ph.D., in computer science or a closely related discipline by September, 2014. The successful candidate will teach a total of four courses during the academic year.

The Department of Computer Science consists of eight faculty members supporting a thriving undergraduate computer science major in a congenial working environment with small classes, excellent students, and state-of-the-art facilities. Williams College is a highly selective, coeducational, liberal arts college of approximately 2,100 students located in the scenic Berkshires of Western Massachusetts.

Applications in the form of a vita, a teaching statement, and three letters of reference, at least

BIOINFORMATICS
Worcester Polytechnic Institute
Tenure Track (Open Rank)

WPI

WPI invites applications for a tenure track (open rank) position with a research focus in Bioinformatics, to begin in the fall of 2014. The appointment will be to one of the three departments supporting WPI's interdisciplinary Bioinformatics and Computational Biology Program: Biology and Biotechnology, Computer Sciences, or Mathematical Sciences. Supported by the state-of-the-art LSBC research facility, the successful candidate is expected to develop a robust, externally funded, high profile research program in bioinformatics or computational biology, and to support the teaching mission of the university. Applicants should have a Ph.D. in Bioinformatics, Computer Sciences, Biology, Statistics, Mathematics, or a related area, and significant postdoctoral research experience. Resources for startup funding are competitive and commensurate with research experience and accomplishments.

Applicants are asked to apply electronically by visiting Careers at WPI: **apptrkr.com/392529**. Review of applications will be conducted on a rolling basis and continue until the position is filled. To learn more about WPI, please visit http: //www.wpi.edu/academics/.

EOE

Professional Opportunities

one of which speaks to the candidate's promise as a teacher, must be submitted electronically via http://www.cs.williams.edu. Materials may be addressed to

Professor Stephen Freund, Chair
Department of Computer Science
Williams College
Williamstown, MA 01267

Review of applications will begin on December 15, 2013, and will continue until the position is filled. Please direct all correspondence to hiring@cs.williams.edu. All offers of employment are contingent upon completion of a background check. Further information is available at http://dean-faculty.williams.edu/prospective-faculty/background-check-policy/.

Beyond meeting fully its legal obligations for non-discrimination, Williams College is committed to building a diverse and inclusive community where members from all backgrounds can live, learn, and thrive.

Zhejiang University

College of Computer Science and Technology

Associate Professor / Assistant Professor in Network/System Security

Besides four departments, the College of Computer Science consists of four institutes and one laboratory for research. They are Institute of Artificial Intelligence, Software Institute, Institute of Computer System and Security, Industrial Design Institute, and the State Key Lab of CAD&CG. The college has been developing very fast, securing research funds for over 100 million RMB each year continuously for the past seven years. The research quality has been recognized as the top 1% in the world by the global institution, ESI (Essential Science Indicators).

One of the major research institutes in the college is the Institute of Computer System and Security. Current research areas include distributed computing and service platforms, embedded system and pervasive computing. The network and system security is the key area for hiring – we have recently established the Lab of Internet and Security Technology in the institute, with several faculty recruited overseas. The institute currently has 8 Professors, 16 Associate professors and 2 Assistant professors. Professor Wu Zhaohui is the director of the institute.

The applicants should have a PhD degree with an excellent track record in the network/system security areas. Applicants should also show strong evidence of commitment to research that leads to top publications with high impact.

Salary will be highly competitive, commensurate with qualifications and experience. An appropriate term will be provided for appointments of Associate Professor. We offer a comprehensive fringe benefit package including relocation assistance, housing benefits, etc., for eligible appointees.

Please send a detailed curriculum vitae, publication list with abstracts of selected publications, a research plan, a teaching statement, and provide names and email addresses of at least three referees via email to chhy@zju.edu.cn.

LASSONDE SCHOOL OF ENGINEERING
TENURE-STREAM FACULTY OPENINGS

The Lassonde School of Engineering at York University, Toronto, Canada seeks three (3) outstanding candidates in **Electrical Engineering and Computer Science** at the rank of **Assistant** or **Associate Professor**, to commence July 1, 2014, subject to budgetary approval.

One (1) Tier-2 Canada Research Chair with expertise in **Big Data Analytics and Scientific Visualization**, and emphasis in visual depictions of data from complex systems; scalable analytics; data-enabled methods; or/and applications in data driven design and domain sciences;

Two (2) positions with expertise in the areas of **(i) Power Systems** (high power electronics and drives; smart grids; renewable energy resources; storage devices; intelligent control), and; **(ii) Medical Devices** (Disease diagnostic and treatment technologies; Bioengineering instrumentation for cellular and molecular analysis) or **(iii) Electronics** (Mechatronics; Nanoelectronics).

The successful candidates must hold PhD degrees in the relevant discipline with outstanding track record of teaching, scholarly research, and professional achievement. Applicants should submit a CV, statements of contributions in research, teaching, and curriculum development, three reference letters, and three sample research publications electronically at **lassonde.yorku.ca/new-faculty** by October 31, 2013.

The Lassonde School of Engineering is a new professional school designed to create Renaissance Engineers™ – entrepreneurial engineers with a social conscience and a sense of global citizenship.

York University is an Affirmative Action Employer. The Affirmative Action Program can be found on York's website acadjobs.info.yorku.ca or a copy can be obtained by calling the affirmative action office at 416-736-5713. All qualified candidates are encouraged to apply; however, Canadian citizens and Permanent Residents will be given priority.

lassonde.yorku.ca

LASSONDE SCHOOL OF ENGINEERING | YORK UNIVERSITÉ UNIVERSITY