

Computing Research News

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

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Announcements

Congratulations to Newly Elevated IEEE Fellows

Chris Johnson, CRA Board Member, and Ross Whitaker, CCC Council member, have been named IEEE Fellows.



Christopher Johnson
University of Utah
Salt Lake City, UT, USA

“for leadership in scientific computing and scientific visualization”



Ross Whitaker
University of Utah
Salt Lake City, UT, USA

“for contributions to image and geometry processing, visualization, and medical image analysis”

Borg Early Career Award



The Computing Research Association's Committee on the Status of Women in Computing Research (CRA-W) invites nominations for the Borg Early Career Award. The award honors the late Anita Borg, who was an early member of CRA-W and an inspiration for her commitment in increasing the participation of women in computing research.

The deadline for nominations is February 15, 2014.

Please send a note to craw_awards@cra.org indicating intent to submit.

For more information about eligibility and nomination requirements please visit <http://cra-w.org/ArticleDetails/tabid/77/ArticleID/47/Default.aspx>



NSF CISE CAREER Proposal Writing Workshop

The CISE Directorate at NSF will host a one-day workshop on writing proposals for the [Faculty Early Career Development \(CAREER\) program](#). This workshop is scheduled for March 31, 2014 at the Hilton Arlington (950 N Stafford St., Arlington, VA). The goal of this workshop is to enable junior CAREER-eligible faculty to prepare competitive proposals for the NSF CAREER program. Faculty members will have the opportunity to improve their skills in proposal writing, experience mock panel reviews, and interact with NSF program directors from the CISE divisions (ACI, CCF, CNS, and IIS), as well as with recent NSF CAREER awardees. [Registration](#) is required by February 21, 2014.

2014 Service to CRA Award



CRA Board Chair J Moore has selected **Jean Smith** to receive the Service to CRA Award. The award recognizes outstanding service to CRA as an organization.

Jean Smith is recognized for her 15 years of outstanding service at CRA. She was editor of *Computing Research News*, and assisted the organizing committee for CRA's Biennial Conference at Snowbird in planning the program and publicizing the conference to the computing research community. Jean also organized CRA Board meetings, elections, the preparation of CRA's annual reports, and oversaw three annual CRA awards programs. The award will be presented to her at the 2014 CRA Conference at Snowbird.



CONFERENCE AT SNOWBIRD

JULY 20 – 22, 2014
SNOWBIRD, UTAH

CLIFF LODGE, SNOWBIRD RESORT, UTAH

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

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

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

This year at Snowbird: There will be four featured plenary talks on topics ranging from issues in government surveillance using the Internet to creating a diverse Computer Science research community. In addition to the plenary sessions, there will be a workshop for new department chairs on July 20 co-chaired by Susan Davidson (University of Pennsylvania) and Eric Grimson (MIT), a panel on research futures led by Greg Hager (Johns Hopkins University), and three workshops on policy, research, and education. There will be several hours of free time for networking, mingling, hiking, or just hanging out enjoying the gorgeous environment.

On the following page is a preliminary program that will continue to be updated on the CRA website as additional information becomes available. Online registration will open on the CRA website in April 2014.

The schedule is now available at: <http://cra.org/events/snowbird-2014/>.



CRA Conference at Snowbird 2014 Preliminary Program

Sunday, July 20

Workshop for New Department Chairs

This workshop will give new CS Department Chairs some of the skills to lead their organizations and work with Deans, Provosts, and Advisory Boards – the stuff they never told you in graduate school.

Agenda:

- Panel 1: Nuts and Bolts of Managing a Department
Anne Condon, Greg Hager, Dan Lopresti
- Panel 2: Dealing with Stakeholders
Ellen Zegura, Henry Kautz, Julia Hirschberg
- Panel 3: Strategic Planning and Thinking
Kevin Bowyer, Hank Levy, Frank Pfenning

Whether you've been department chair for one week or one year, there is more to the job than you think. Come join your fellow new chairs in this workshop!

Co-Chairs: Susan Davidson (University of Pennsylvania), Eric Grimson (MIT)

Speakers: Anne Condon (University of British Columbia), Greg Hager (Johns Hopkins University), Dan Lopresti (Lehigh University), Ellen Zegura (Georgia Tech), Henry Kautz (University of Rochester), Julia Hirschberg (Columbia University), Kevin Bowyer (University of Notre Dame), Hank Levy (University of Washington), Frank Pfenning (Carnegie Mellon University)

Computing and the Human Experience

After Dinner

Speaker: Grady Booch (IBM Research)

The story of computing is the story of humanity. It is a story of ambition, invention, creativity, vision, avarice, and serendipity, powered by a refusal to accept the limits of our bodies and our minds. As an insider to this world, I see that there is a hidden life to computing, as wonderful and beautiful and elegant as the motion of the galaxies and the pulsing of life in a cell. The software we compose forms the invisible writing that whispers the stories of possibility to our hardware. At the same time, computing has woven itself into the interstitial spaces of society and we are each slowly surrendering our lives to it. Humans have created computing, but computing is re-creating us. This yields a curious dichotomy that impacts every aspect of the human experience, and indeed leads us to consider the very question of what it means to be human. In this keynote, I will examine this story of computing as it has unfolded across time, ending with an exploration of where it might lead us and how we might ourselves be more intentional in directing it. We are among those who are making computing manifest, and so I will also focus on the question of our responsibility: there are some things we would like to do that we do not yet know how to do (this is the domain of computing research); there are some things we can do that perhaps we should not (this is the domain of the human experience).



CRA Conference at Snowbird 2014 Preliminary Program

Monday, July 21

A Policy Wonk's Plea for More and Better Policy Research and Engagement from Computer Scientists

8:30 - 10:00AM

Speaker: Peter Swire (Georgia Tech)

Advances in Quantum Computing

10:30AM - 12:00PM

Speaker: Krysta Svore (Microsoft)

Luncheon

NOON - 1:30PM

Conference Co-Chairs Announcements

Parallel Tracks

1:30PM - 3:00PM

Best Practices on Hiring, Promotion and Scholarship Report

Chairs: Batya Friedman (University of Washington) and Fred B. Schneider (Cornell University)

The Coming Publishing Models

Chairs: Jack Davidson (University of Virginia) and Joe Konstan (University of Minnesota)

K-12 Education/code.org/ Computing in the Core

Chair: Jan Cuny (NSF)

Networking (Hiking)

3:30PM - 5:00PM
Outside

Computing Research Futures

After Dinner

Chair: Greg Hager (Johns Hopkins University)



CRA Conference at Snowbird 2014 Preliminary Program

Tuesday, July 22

Broadening the Computing Research Community

8:30AM - 10:00AM

Speaker: Maria Klawe (Harvey Mudd College)

Computing is one of the least diverse disciplines in science and engineering in terms of participation by women, African-Americans and Hispanics, and the only discipline where participation by women has significantly decreased over the last three decades. While our discipline does well in encouraging members of underrepresented groups to go on to graduate programs, we have been less successful in attracting members of these groups into undergraduate programs. This talk discusses successful strategies for significantly increasing the number of women and students of color majoring in computer science.

Parallel Tracks

10:30AM - Noon

Care and Feeding of Postdocs

Chair: Bob Sproull

Big Data Research: Academia and Industry (part 1)

Chair: Laura Haas (IBM Research)

CS Research on MOOCs & Online Education (part 1)

Chair: Amy Bruckman (Georgia Tech)

Luncheon

NOON - 1:30PM

Parallel Tracks

1:30PM - 3:00PM

Recruiting Domestic Students to Ph.D. Programs: From Data to Recommendations

Chairs: Susanne Hambruch (Purdue University) and Ran Libeskind-Hadas (Harvey Mudd College)

Big Data Research: Academia and Industry (part 2)

Chair: Laura Haas (IBM Research)

CS Research on MOOCs & Online Education (part 2)

Chair: Amy Bruckman (Georgia Tech)

DC Update

Speaker: Peter Harsha (CRA)

3:30PM - 5:00PM

Managing Up - Working With Your Dean

5:30PM - 6:30PM

Organizing Committee

Co-Chairs: **Greg Morrisett** (Harvard) Academic; **Brent Hailpern** (IBM Research) Labs/Centers

Members: **Sarita Adve** (University of Illinois at Urbana-Champaign), **David Bader** (Georgia Institute of Technology), **Chitta Baral** (Arizona State University), **Janet Davis** (Grinnell College), **Julia Hirschberg** (Columbia University), **Eric Horvitz** (Microsoft Research), **HV Jagadish** (University of Michigan), **Chris Johnson** (University of Utah), and **Bill Weihl** (Facebook).

Expanding the Pipeline: National Women in Cybersecurity (WiCyS) Conference

By Dr. Ambareen Siraj, Tennessee Tech University and Ms. Summer Prince, Tennessee Valley Authority

On April 11-12, the 1st National Women in Cybersecurity (WiCyS) conference (www.wicys.net) to be held in Nashville, Tennessee, will provide an exclusive opportunity to bring together women students, faculty, professionals, and researchers in cybersecurity from academia, industry, research, and government organizations in efforts aimed at increasing the pipeline of women security professionals and improving the diversity of our cybersecurity workforce.

In the computing field, security remains an essential skill for today's digital workforce, as the lack of security awareness costs businesses, government, and citizens severely every year. The role of cybersecurity professionals in protecting cyberspace and critical infrastructures is crucial. Therefore, the demand for cybersecurity professionals is estimated to increase significantly. Over the last five year period it was more than three times the demand of the overall IT job market. The number of security professionals worldwide is expected to increase to nearly 4.2

million by 2015. Further, for information security professionals the U.S. Department of Labor Occupational Outlook Handbook projects faster than average and much faster than average job outlooks between the years of 2012 to 2022. These projected job outlook growths are even greater than the projections for computer occupations.

Despite the growing demand and tremendous job opportunities, cybersecurity remains an area where there is significant shortage of skilled professionals regionally, nationally, and internationally. Currently, the information assurance and security pipeline is not producing enough cybersecurity professionals. Without proactive efforts to fill and maintain this crucial pipeline, the nation will run into the crisis of shortage of skilled professionals protecting our cyber infrastructure.

Compounding the problem of the security professional shortage is the fact that women's representation in this male-dominated field of security is alarmingly low. While 25% of IT workforce is women, they represent

only 8 to 13% of cybersecurity workforce. Why does it matter? Research shows that diversity brings a variety of experience, perspective, knowledge, and skill together to find more and better solutions to challenging problems. Diverse thinkers with diverse perspective can analyze and address the complex problem space of cybersecurity to find innovative complementary solutions. The constantly changing aspects of the information assurance and cybersecurity field makes it all the more essential to ensure full participation of a diverse workforce that will integrate more creativity and multi-perspective problem solving to shape technology in cybersecurity. Today's cybersecurity workforce could increase diversity through women and minority professionals.

Just recently the Center for Strategic and International Studies described the importance and need for increased numbers of people interested in cybersecurity as a career option, regardless of gender. So, how can we increase the number of cybersecurity professionals and supply the pipeline for future needs? Women are half of the US workforce and represent an excellent resource for filling and diversifying our current and future needs for the cybersecurity workforce.

To realize the value of diversifying and increasing the pool of our cybersecurity workforce we must identify and overcome the challenges for why women are underrepresented. The lack of women in cybersecurity is a result of the lack of women in computing in general. Of all education disciplines, women college graduates in science, technology, engineering, and



mathematics (STEM) remain at all levels remain low. The identification of the primary challenges and reasons for the underrepresentation of women in STEM majors is a first step towards actions for overcoming these challenges. The significant underrepresentation of minorities, especially women in cybersecurity, is due to the following probable reasons:

- *Stereotypical notions*
- *Lack of social support*
- *Lack of confidence in women*
- *Lack of exposure to role models*
- *Lack of integrated efforts to recruit women*
- *Lack of opportunity to connect with mentors*
- *Lack of knowledge about the field of cybersecurity*
- *Lack of directed effort to eliminate unconscious bias*
- *Lack of awareness of professional development resources*
- *Lack of awareness of opportunities in Cybersecurity related occupations, education, and research*

While many challenges are present for women in cybersecurity, there are many positive benefits for cybersecurity professionals that are worth the time and effort invested into overcoming these challenges. There are few current efforts addressing the need for a diverse cybersecurity workforce, and collaborative projects are beginning to emerge.

How can government, academia, and industry help to advance underrepresented groups in this field? If we want to broaden the pool of our cybersecurity workforce in terms of both quality and quantity, we have to invest time and effort in recruiting for diversity. Some actions that can be utilized include:

- *Spread the word*
- *Create opportunities*

- *Break stereotypical notions*
- *Provide access to resources*
- *Contribute to support community*
- *Provide access to mentor network*
- *Attract and engage through gender equitable environment*
- *Initiate and engage in directed efforts to recruit diverse groups*
- *Create a path that is more affordable and appealing to women*



Tennessee Tech University (TTU) is leading a collaborative partnership with the National Centers for Academic Excellence in Information Assurance Education at the University of Memphis (UofM) and at Jackson State Community College (JSCC) to overcome the challenges faced by women interested or involved in cybersecurity. This is a NSF SFS funded *Broadening Participation of Women in Cybersecurity Project* that is a directed effort to build momentum towards a movement of proactive efforts to diversify the cybersecurity workforce. There are four main components of this project and the WiCyS Conference is a major piece.

The conference is designed to increase women's participation in cybersecurity through research-supported practices that include intentional role modeling, networking, mentoring, and access to career information. The foundation of these approaches are endorsed by National Center for Women and Information Technology (NCWIT), Computing Research Association Committee on the Status of Women in Computing (CRA-W), Association of Computing Machinery's Women in Computing (ACM-W), Anita Borg Institute (ABI), Grace Hopper Regional Consortium (GHRC), and others who have used these as means to improve gender balance in computing.

WiCyS 2014 will offer keynote speaker sessions, technical presentation sessions, panel and birds-of-feather sessions, lightning talks, student poster sessions, student and faculty workshops, and career and graduate school fair. It will build and support an online community for Women in Cybersecurity. Speakers include (among others): Dr. Ernest McDuffie, NIST Lead for National Initiative for Cybersecurity Education (NICE), Dr. Deborah Frincke, NSA/CSS Associate Director for Education and Training, Julie Talbot-Hubbard, Vice President and Chief Security Officer for Symantec, and Dr. Valerie Barr the chair of ACM-W. To continue the momentum of recruiting and retaining outside of the conference, the Women in Cybersecurity online community resource and network will be made publicly available.

Assessment and evaluation to demonstrate impact and determine whether the WiCyS initiative makes a difference, we plan to measure the following after the upcoming WiCyS conference:

- *Do WiCyS student workshops increase women students' awareness of and interest in pursuing further study of cybersecurity?*

- *Do WiCyS faculty workshops increase faculty expertise to teach cybersecurity issues?*
- *How has women students' participation in security internships and security research experiences been – as a result of contacts made/resources offered during the WiCyS conference and related activities?*
- *What are the results of women students' recruitment into the SFS Program and graduate school – as a result of contacts made/resources offered during the WiCyS conference and related activities?*
- *Is there evidence of interaction and networking in the community of women in cybersecurity?*

of surveys will be given to workshop and conference participants. All assessments will be shared with WiCyS advisory board and any recommendations to improve will be implemented in future WiCyS events and activities.

The first WiCyS conference (2014) and the second WiCyS conference (2015) are both excellent venues for government, academia, and industry to proactively support the broadening participation of women in cybersecurity. Volunteers, sponsors, speakers, and participants are welcomed and information is provided through announcements and the conference site at www.wicys.net. With support from community, we hope to sustain WiCyS as a bi-annual event.

DUE Project “Security Knitting Kit”. She is serving as the chair of the WiCyS 2014 Conference, Co-Chair for the Southeast Women in Computing Conference 2013, Co-Chair of the NCWIT Aspiration in Computing in Tennessee. Additionally, Dr. Siraj is an advisor to the TTU CyberEagles Club and a working group member of Cybersecurity Competition Federation. Her research interest is in security in smart grid.

Ms. Summer Prince is a programmer analyst at Tennessee Valley Authority with a M.S. in Computer Science Information and Assurance Security specialization. Her research work has a focus in smart grid cybersecurity. She also serves as the Social Media Coordinator for WiCyS committee.

Evaluation will consist of participant observation of the WiCyS conferences and its workshops for students and faculty, and surveys of conference and workshop participants. A series

About the Authors

Dr. Ambareen Siraj is serving as the PI for NSF SFS Project “Capacity Building in Cybersecurity” and NFS

Want to win \$1,000,000,000 (yes, that’s one billion dollars)?

From the CCC Blog

All you have to do is create the PERFECT March Madness bracket. If you manage to do so, Warren Buffett and Berkshire Hathaway will pay you \$1,000,000,000, as reported by [ESPN!](#) While the idea is certainly appealing, creating a perfect bracket is near impossible (the chances of winning are 1 in 4,294,967,296).

Don’t despair, there is a consolation prize from Quicken Loans: \$100,000 to the 20 most accurate brackets. So, not only will 20 people definitely walk away with \$100,000 in early April, but you can use computer science research to better your chances!

Computer Science Professor [Sheldon Jacobson](#) and his team at the University of Illinois at Urbana-Champaign have been working on [BracketOdds](#) since 2011. BracketOdds is:

A website to evaluate seed distributions in the later rounds of the NCAA Division I Men’s Basketball Tournament, commonly referred to as March Madness. This tool uses principles from probability theory and operations research

to model the likelihood that a set of seeds will reach a particular round of the tournament.

When speaking with Jacobson on the new contest, he said, “It’s a great promotion – no one will win it. The odds are just too phenomenal against anyone putting it together.”

Jacobson and his team are constantly researching and updating their algorithms to help determine the probabilities of seeded teams propagating through the tournament. You can even go to the site now and see the [projected seeds](#) for this March, updated regularly. Two new models are currently being run as well, with the results to be disseminated in the future.

So, to shoot for the \$1,000,000,000 (or just \$100,000) use what you learn on BracketOdds and be sure to enter the [contest](#) when it opens on March 3, 2014.

CCC Calls for Council Member Nominations

By Ann Drobnis, CCC Director

The Computing Community Consortium (CCC) invites nominations for members to serve on its 20-person Council. We are looking for individuals who have ideas, energy, initiative, and time to work with the community and on its behalf towards fulfilling the mission of the CCC. The CCC is charged with catalyzing and empowering the U.S. computing research community to articulate and advance major research directions for the field. For example,

- How can computing accelerate progress in health care?
- How can computing advance the next decade of scientific research?
- How can we make the best of the abundance of data available in digital form and our increasing ability to analyze it?
- How can the security, reliability, and availability of computing be strengthened?
- What could the next generation of national computing infrastructure look like?
- How can the computing community improve sustainability, education, manufacturing, or commerce?

The CCC supports the research community to explore these and other questions through visioning activities such as workshops or white papers, by arranging plenary talks at major venues, through discussions with Federal agencies, and through other community-building activities.

As one recent example, CCC has sponsored 2 visioning activities in [Health IT](#) (2009 and 2012). Both the workshops and the resulting reports helped to develop a program in [Smart Health and Wellbeing](#) (2010), which then became a multi-agency program for [Smart and Connected Health](#) (2013).

For more information about the CCC, please visit <http://cra.org/ccc> and <http://cccblog.org>.



The CCC is funded by the National Science Foundation (NSF) under a cooperative agreement with the Computing Research Association (CRA). The work of the CCC is carried out by an active and engaged Council, currently led by Susan Graham (University of California-Berkeley) as chair and Greg Hager (Johns Hopkins University) as vice-chair. The members of the Council are appointed by CRA in consultation with NSF, with staggered three-year terms. In the aggregate, the Council must reflect the full breadth of the computing research community – research area, institutional character, geographic diversity, etc. The CCC is staffed by a full-time director, Ann Drobnis.

The CCC's Nominating Subcommittee invites nominations (including self-nominations) for members to serve on the CCC Council for the next three years, beginning July 1, 2014. **Please send nominations, together with the information below, to ccc-nominations@cra.org by 11:59PM EST on Thursday, March 6, 2014.** The subcommittee's recommendations will serve as input to CRA and NSF, who will make the final selection.

1. Name, affiliation, and email address of the nominee.
2. Areas of research expertise.
3. Previous significant service to the research community and other relevant experience, with years it occurred (no more than *five* items).
4. A brief biography or curriculum vitae of the nominee.

5. A statement from the nominee of less than one page, supporting his or her nomination by describing his or her ideas for, and commitment to, advancing the work of the CCC in engaging broader communities, finding wider funding sources, and encouraging new research directions.

The CCC needs truly visionary leaders – people with lots of great ideas, sound judgment, and the willingness to work hard to see things to completion. Please help the computing community by nominating such people for the Council.

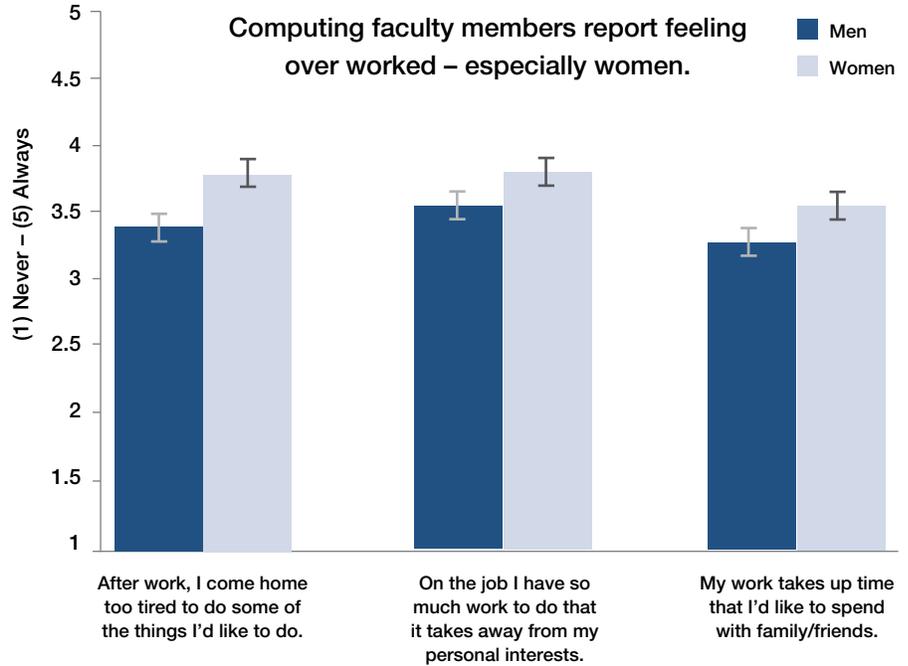


Center for Evaluating the Research Pipeline Infographic

By CRA Staff

Computing Faculty Members Report Feeling Over Worked – Especially Women

251 faculty members (82 women; 169 men) from a sample of 56 computing departments in the U.S. indicated that they feel over worked (i.e., the average response was above the midpoint). Women reported feeling significantly more overworked than men, $p < .05$. One explanation for this gender difference may be that women tend to take on more responsibilities outside of their normal workload than men (e.g., departmental or university service).



Note: Of the 56 departments surveys, 43% were PhD granting departments; 18% were terminal Masters degree granting departments; 25% were Bachelors granting. Faculty members' career ranking breakdown was as follows: 21% Assistant Professor; 28% Associate Professor; 32% Full Professor; 19% non-tenure track or other type of faculty. Faculty were asked to "How often do you experience each of the following...", using a (1) *Never* to (5) *Always* scale. Individual items are found on the x axis of the figure above.



**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/>.

Visions 2025 Initiative

By Computing Community Consortium

The Visions 2025 initiative is intended to inspire the computing community to envision future trends and opportunities in computing research. Where is the computing field going over the next 10-15 years? What are potential opportunities, disruptive trends, and blind spots? Are there new questions and directions that deserve greater attention by the research community and new investments in computing research?

To answer these questions, a steering group of computing leaders drawn from the National Science Foundation (NSF) Computer and Information Science and Engineering Directorate Advisory Committee (CISE AC) and the Computing Community Consortium (CCC) are planning a set of workshops to catalyze cross-computing and cross-disciplinary discussions.

Instead of attempting to cover every area of computing research, the steering committee has chosen three topics to focus on first, with the intention of looking at each from multiple perspectives provided by a diverse selection of participants in the workshops, and with the intention that there will be future workshops on additional topics.

The workshops will be held in the spring of 2014 and are briefly outlined below.

Interfacing With the Computers All Around Us

Computers are increasingly ubiquitous, from smart phones and sensors, to wearable electronics and embedded medical devices, to conventional tablets, laptops, and server racks. In this workshop, we will bring together researchers at the cutting edge of pervasive computing to look beyond the horizon at the technological innovations that could radically change how computers interface with people and the world around them.

In particular, the workshop will cover the growing challenges and promising technological trends in how people will interact with computing around them in efficient, correct and humanly pleasing manners. Many computing devices will be interacting with each other without humans in the loop, thus, the workshop will also explore interactions involving a swarm of machines. Finally, ubiquitous computing will open new frontiers in how people interact with people and will empower communities to accomplish bigger and more complex tasks.

Planning team includes:

Limor Fix, Intel, retired,
limorfix@hotmail.com

Jennifer Rexford, Princeton,
jrex@cs.princeton.edu

Daniela Rus, MIT,
rus@csail.mit.edu

New Renaissance of Indy Manufacturing: Programmable Matter and Things

There is a major transformation happening in the technology landscape – a transformation whose precedent lies less in the cyclical tides of innovation seen over 50 years of Moore's Law, and more in the upheavals seen in the introduction of major transformative technologies such as the printing press, the programmable loom, and the computer itself. This new renaissance, underpinned by "indy manufacturing", will change the way that most items are designed, manufactured, and delivered.

Indy manufacturing has at its root the confluence of three major technological trends: cheap and fast creation of matter in new forms, on-demand electronics, and programmable intelligence in every object. The creativity and change unleashed could fundamentally change how society operates with a return to craftsmanship with precision as well as the ability to mass customize/produce every

product. Further, there are also new distribution channels that are emerging and a democratization of capital to fund projects.

Planning team includes:

David Culler, University of California at Berkeley,
culler@eecs.berkeley.edu

James Landay, Cornell,
landay@cornell.edu

Prabal Dutta, University of Michigan,
prabal@eecs.umich.edu

Computing and the Smart World

Advances in computer science are necessary if we are to tackle virtually any national or global challenge: health care, transportation, education, scientific discovery, energy efficiency, national security, etc. – and doing so will also change computer science.

Many of these advances will involve using massive amounts of data and advanced analytic techniques to "make the world smart"; continuous instrumentation of the human body, intelligent vehicles and transportation systems, adaptive personalized online education, data-intensive science, the smart home and grid, dramatically improved intelligence for national security, etc.

These workshops are still in the planning stages. Opportunities to participate will be extended to a broad spectrum of the computing community. Summaries of the workshops will be disseminated in the CCC Blog, and will be discussed at Snowbird, 2014.

Planning team includes:

Beth Mynatt, Georgia Tech,
mynatt@cc.gatech.edu

Ed Lazowska, University of Washington,
lazowska@cs.washington.edu

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Jane Stout, Director, Center for Evaluating the Research Pipeline
Heather Wright, Research Assistant, Center for Evaluating the Research Pipeline

Professional Opportunities

Berea College

Computer Science Program

Lecturer in Computer Science and Software Engineer Team Leader

Please see our posting on the Berea College website at: <http://www.berea.edu/people-services/faculty-positions/>.

Berea College, in light of its mission in the tradition of impartial love and social equality, welcomes all people of the earth to learn and work here.

Bucknell University

Computer Science Department

Assistant Professor

Applications are invited for a tenure-track position in computer science beginning mid-August 2014. We expect to hire at the Assistant Professor level, but outstanding candidates will be considered at Associate Professor or Professor; years of credit toward tenure will be awarded based upon qualifications. We seek a teacher-scholar with a demonstrated ability to work successfully with a diverse student body and whose research area is in AI/machine learning, algorithms, or human-computer interaction (HCI). The successful candidate must be able to participate in the teaching of required core courses and be able to develop elective courses in the candidate's area of expertise. Candidates are expected to have completed or be in the final stages of completing their Ph.D. by the beginning of the 2014 fall semester. A strong commitment to excellence in teaching and scholarship is required.

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

Review of applications will begin on January 15 and continue until the position is filled. Candidates are asked to submit a cover letter, CV, a statement of teaching philosophy and research interests, and the contact information for three references. Please submit your application to <http://jobs.bucknell.edu/> by searching for the "Computer Science Faculty Position."

Please direct any questions to Professor Stephen Guattery of the Computer Science Department at guattery@bucknell.edu.

Bucknell University, an Equal Opportunity Employer, believes that students learn best in a diverse, inclusive community and is therefore committed to

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

California State University, Sacramento

Department of Computer Science

Two Tenure-Track Positions

Two Tenure-Track Assistant Professor positions to begin August 27, 2014 (open until filled).

One position is in Information Assurance and Computer Security, and the other in Computer Games and Graphics.

Ph.D. in Computer Science, Computer Engineering, or closely related field required by the time of appointment.

Application Instructions

For detailed position information, including application procedure, please see <http://www.csus.edu/hr/faculty/vacancies.htm> or <http://www.ecs.csus.edu/csc>. Screening will begin March 1, 2014, and continue until positions are filled.

AA/EEO employer. Clery Act statistics available. Mandated reporter requirements. Criminal background check may be required.

Carnegie Mellon University

Human Computer Interaction Institute

Postdoc or Research Scientist

Postdoc/research scientist opportunity at Carnegie Mellon in the area of embodied conversational agents.

Details at: <http://www.articulab.justinecassell.com/participate/#PostDoc2013>.

The Catholic University of America

The Department of Electrical Engineering and Computer Science

Tenure-Track Assistant Professor in Computer Science

The Department of Electrical Engineering and Computer Science at the Catholic University of America invites applications for a tenure-track faculty position at the Assistant Professor Level, beginning August 2014. All areas in computer science will be

given consideration, with a particular emphasis on network and information security. The candidates must have earned a Ph.D. in Computer Science with a strong commitment to undergraduate and graduate education and a strong potential to develop externally funded research programs.

For full consideration, complete applications should be received by January 10, 2014, although applications received after this date will continue to be reviewed until the position is filled. The EECS Department offers B.S., M.S., and Ph.D. degrees in Electrical Engineering and Computer Science.

Additional information and application instructions can be found at <http://engineering.cua.edu/facultyapp/eeecs/>.

Clarkson University

Department of Computer Science

Tenure-Track Position

The Department of Computer Science at Clarkson University (www.clarkson.edu/cs) invites applications for a tenure-track position in computer science at the rank of Assistant Professor starting in August 2014. We are interested in candidates with research expertise in applied systems areas such as operating systems, security, networking, parallel and distributed computing, and database systems, or in computer graphics or visualization.

Responsibilities include teaching undergraduate and graduate level courses, and directing graduate students. Minimum requirements are a Ph.D. in computer science by the date of appointment, demonstrated excellence in research and teaching, and fluency in English. Applications including vita and three reference letters should be submitted to <https://clarkson.peopleadmin.com/>. Completed applications will be reviewed starting immediately. Women and minorities are urged to apply.

Clarkson University is an AA/EEO Employer. (Pos. #362)

Colgate University

Department of Computer Science

Tenure Stream Position

The Department of Computer Science invites applications for a tenure stream position in computer science at the rank of Assistant Professor beginning fall semester 2014. Completion of a Ph.D. in computer science is expected prior to or shortly after the date of hire. A strong interest in both teaching and research is also expected. Preference will be given to applicants with expertise

Professional Opportunities

in mobile computing, human-computer interfaces and graphics, or cloud computing though strong applicants in other areas will also be considered. The successful applicant will teach courses in their area of expertise, help staff department courses, and also be expected to participate in all-university programs, including the Liberal Arts Core Curriculum.

Colgate University is a highly selective liberal arts college of 2800 students situated in a picturesque village in central New York. The department offers excellent teaching and research facilities, and the university is committed to promoting excellence in both teaching and research. A letter of application, curriculum vitae and three letters of recommendation should be submitted through <https://academicjobsonline.org/ajo/jobs/3553>.

Review of applications will begin January 10, 2014, and continue until the position is filled. For more information about the department, please browse our web site <http://cs.colgate.edu>. Applicants with dual-career considerations can find postings of other employment opportunities at Colgate and at other institutions of higher education in upstate New York at <http://www.upstatenyherc.org>.

Developing and sustaining a diverse faculty, staff, and student body further the University's educational mission. Colgate University is an Equal Opportunity/Affirmative Action Employer; women and candidates from historically underrepresented groups are strongly encouraged to apply.

The College of William & Mary

Two Faculty Positions in Computer Science

We invite applications for two tenure-track positions at the Assistant Professor level for Fall 2014. We are interested in individuals with research expertise in programming languages, software engineering, high-performance computing, operating systems, or data mining and machine learning, but exceptional applicants from other areas of computer science will be considered. Applicants must hold a Ph.D. in computer science or a related field at the time of appointment (August 10, 2014) and must have a strong research record and an interest in teaching.

The College of William & Mary, consistently ranked in the elite group of the Best National Universities-Doctoral by U.S. News and World Report, has committed to a multi-year effort to strengthen and expand its computer science research program. The department has been the home of multiple NSF and DOE Career Awards. Teaching loads are competitive with top research computer science departments in support of the department's research expectations for faculty. The department offers B.S., M.S.,

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

Applicants should submit a current resume, research and teaching statements, and the names of at least three references. Applicants must apply using William & Mary's online recruitment system at

<http://jobs.wm.edu> (follow the link for instructional faculty). We will begin reviewing applications on January 15, 2014. Applications will continue to be considered until the positions are filled. The College of William & Mary is an EO/AA employer. The College of William & Mary conducts background checks on applicants for employment



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

Columbia University

Department of Computer Science

Associate Research Scientist

The Department of Computer Science at Columbia University is seeking an experienced Hardware Engineer to work with researchers on a DARPA funded project to implement advanced security solutions into microprocessors and microcontrollers. The project is funded for one year to develop a full demonstrable prototype of a microprocessor hardened using security technologies developed at Columbia (e.g., instruction set randomization, hardware anti virus detection). The objective is to build FPGA prototypes with embedded security features, and to develop associated software, to demonstrate effectiveness of the techniques in thwarting sophisticated security attacks such as those on industrial control systems.

Minimum Qualifications: Candidate must have a PhD in a research field. Expert Level knowledge of hardware FPGA and ASIC prototyping; experience with complete hardware development cycle including tapeout and system bringup. Working technical knowledge of current processors and their micro architecture. Experience in evaluating hardware design choices.

Preferred Qualifications: PhDs in computer architecture and security are preferred. Experience with PLCs a plus. Ability to conduct research as required with proven analytical and problem-solving abilities. Excellent project management skills and experience. Excellent written and oral communication skills. Excellent technical writing and technical documentation ability. Excellent interpersonal, communication and organizational skills with the ability to interact effectively with graduate students and faculty.

Applications accepted online only: academicjobs.columbia.edu/applicants/Central?quickFind=58722

Columbia Gorge Community College

Career and Technical Education Department

Computer Information Systems/Computer Science Instructor

Columbia Gorge Community College is seeking a full-time Computer Information Systems/Computer Science Instructor to develop and implement a new computer training program. Requires a Master's degree in Computer Science or closely related field. Minimum two years of instructional duties within Computer Science or industry experience in relevant field. Experience teaching at the community college level preferred.

Columbia Gorge Community College (CGCC) is a rural, public, two-year community college with campuses located in The Dalles, and Hood River, Oregon, in the beautiful Columbia River Gorge. It serves its district as the only provider of higher education.

Application Instructions:

Cover letter, resume, CGCC application, all academic transcripts, and two letters of recommendation are required to apply. **Position open until filled.** For more information go to <http://www.cgcc.edu/hr/instructional-opportunities>.

A writing sample and fifteen minute teaching demonstration will be required for candidates interviewed.

Columbia Gorge Community College is an equal opportunity educator and employer.

Cornell University

School of Electrical and Computer Engineering

One or More Tenure-Track Faculty Positions

The SCHOOL OF ELECTRICAL AND COMPUTER ENGINEERING AT CORNELL UNIVERSITY in Ithaca, New York, invites applications for one or more **tenure-track Faculty positions** in all areas of electrical and computer engineering. We are particularly interested in outstanding candidates that can make an impact on the following areas:

Advanced Nanoelectronic Devices, where candidates will push the limits of the many avenues of nanodiscovery, and make useful devices/circuits from them. Such individuals will be able to leverage Cornell's strength in solid-state physics, materials, and nanosciences, as well as our world-class Nanoscale Science & Technology Facility (CNF).

Ubiquitous Networked Data Processing, including but not limited to applications to Internet of Things, Cyberphysical Systems, and Large-Scale Data Centers. We are particularly interested in candidates that are experts in one or more of the following core areas: high-dimensional statistics/machine learning; modern optimization and control techniques; embedded systems and hardware; data networks; storage systems and hardware.

Applied Electromagnetics, where we seek excellent candidates that can make an impact broadly on the following challenges: (1) Electromagnetics applied to circuits, devices, antennae, etc., to move beyond the standard design tools based upon Kirchhoff's laws to include more complete electromagnetic theory where appropriate. (2) Pulsed Electromagnetics, including ultra-fast electromagnetic and optoelectronic imaging techniques. (3) Power- and Energy- related

Electromagnetics at large scale (e.g., switching high voltage DC).

Applicants must hold a doctorate in an appropriate field by the time their Faculty appointment begins. They must have demonstrated an ability to conduct outstanding research, and show promise for excellent teaching. Applications at all levels will be considered; salary and rank are commensurate with qualifications and experience.

Applicants should submit a curriculum vitae, a research statement, a teaching statement, three recent publications, and complete contact information for at least three references. Personal statements summarizing teaching experience and interests, leadership efforts and contributions to diversity are encouraged.

Applications must be made on-line at <https://academicjobsonline.org/ajo/jobs/3588>. Applications received by **December 23, 2013** will receive full consideration. Applications will be evaluated on an ongoing basis until the positions are filled.

The School of Electrical and Computer Engineering, and the College of Engineering at Cornell embrace diversity and seek candidates who will create a climate that attracts students of all races, nationalities and genders. **We strongly encourage women and underrepresented minorities in all areas of ECE to apply.**

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

Cornell University is an affirmative action, equal opportunity educator and employer.

Drexel University

College of Computing & Informatics

Faculty Positions

Drexel University's new College of Computing & Informatics (cci.drexel.edu) invites applications for multiple tenure-track faculty positions at all levels. The College offers graduate and undergraduate degrees in computer science, cybersecurity, informatics, information systems, information technology, library and information science, and software engineering. We seek candidates who can contribute to university-wide objectives in Energy, Health Sciences and Systems, Sustainability, Entrepreneurship, and Information & Society and align with strategic plans for the College and University (<http://www.drexel.edu/strategicPlan/>).

Professional Opportunities

Areas of interest this year include (1) Security & Privacy (e.g., cryptography, cyber-policy and ethics, systems); (2) Software & Systems Engineering (e.g., cloud and mobile computing, software quality, software process, architecture, and system administration); (3) Intelligent Systems (e.g., computer vision, machine learning, gaming, GIS); (4) Human-Centered Computing (e.g., HCI, socio-technical studies, eLearning, decision support, neuro/cognitive modeling); (5) Informatics and Data Science (e.g., eScience, databases, data mining, analytics and visualization); (6) Library and Information Science (e.g., archives, library systems, digital libraries, information policy, information behavior, and retrieval). Exceptional candidates in other areas will be considered.

Drexel is a private university committed to research with real-world applications. The university has over 25,000 students in 14 colleges and schools and offers about 200 degree programs. The College of Computing and Informatics has about 75 faculty and 2,300 students. Drexel has one of the largest and best known cooperative education programs with over 1,200 co-op employers. Drexel is located on Philadelphia's "Avenue of Technology" in the University City District and at the hub of the academic, cultural, and historical resources of the nation's sixth largest metropolitan region.

Review of applications begins immediately. To assure consideration, materials from applicants should be received by February 28, 2014. Successful applicants must demonstrate potential for research and teaching excellence in the environment of a major research university. To be considered, apply at <https://www.drexeljobs.com>, Requisition #5673.

Your application should consist of a cover letter, CV, and brief statements describing your research program and teaching interests. Letters of reference will be requested from the candidates who are invited for a campus interview. Electronic submissions in PDF format are required.

Drexel University is an Equal Opportunity/Affirmative Action Employer. The College of Computing & Informatics is especially interested in qualified candidates who can contribute to the diversity and excellence of the academic community. Background investigations are required for all new hires as a condition of employment, after the job offer is made. Employment will be contingent upon the University's acceptance of the results of the background investigation.

East Carolina University

**Chairperson/Professor or Associate Professor -
Position Number: 929920**

The chairperson must be an effective leader, an accomplished and enthusiastic teacher, researcher, and scholar, have a broad view of computer science and software engineering and their role in the present and future, and have the ability to contribute to the University's commitment to cultural diversity and pluralism. Responsibilities include administrative and academic leadership; support for excellent educational programs, research activities, and scholarly production; teaching at the undergraduate

and graduate level; and providing service to a range of constituents. The successful candidate will promote accountability through program assessment and pursue and maintain program accreditation through the CAC of ABET. The Chair is a member of the College's Administrative Council, reports to the Dean of the College, and is expected to work effectively with academic deans, directors and other senior officers.

Qualifications: The chair shall possess the credentials, experience, and documented achievements appropriate for consideration of a tenured appointment at the rank of Associate Professor or Professor in the Department, including (1) a doctorate from an appropriately accredited



Drexel University College of Computing & Informatics Teaching Faculty Positions

Drexel University's new College of Computing & Informatics (cci.drexel.edu) invites applications for multiple full-time teaching faculty positions. The department offers BS, BA, MS, and PhD degrees in computer science, as well as BS and MS degrees in software engineering.

Areas of relevant teaching expertise include computer game programming and design; C++, Java, Python programming; data structures; Unix scripting and program development; CS mathematical foundations; web and mobile app development; systems programming and architecture; software engineering fundamentals; and software specification, design and architecture.

Drexel is a private university committed to research with real-world applications. The university has over 25,000 students in 14 colleges and schools and offers about 200 degree programs. The College of Computing and Informatics has approximately 75 faculty and 2,300 students. Drexel has one of the largest and best-known cooperative education programs, with over 1,200 co-op employers. Drexel is located on Philadelphia's "Avenue of Technology" in the University City District and at the hub of the academic, cultural, and historical resources of the nation's sixth largest metropolitan region.

Review of applications begins immediately. To assure consideration, materials from applicants should be received by February 28, 2014. Successful applicants must demonstrate potential for teaching excellence in the environment of a major research university. To be considered, apply at www.drexeljobs.com/applicants/Central?quickFind=77921, requisition #5749.

Your application should consist of a cover letter, CV, a brief statement describing your teaching interests, and a list of references. Letters of reference will be requested from the candidates who are invited for a campus interview. Electronic submissions in PDF format are required.

Drexel University is an Equal Opportunity/Affirmative Action Employer. The College of Computing & Informatics is especially interested in qualified candidates who can contribute to the diversity and excellence of the academic community. Background investigations are required for all new hires as a condition of employment, after the job offer is made. Employment will be contingent upon the University's acceptance of the results of the background investigation.

3141 Chestnut Street, Philadelphia, PA 19104 | Tel: 215.895.2474 | Fax: 215.895.2494 | drexel.edu/cci

Professional Opportunities

institution in computer science or a closely-related discipline and conferred by the time of hire , (2) a strong record in teaching, research, and scholarly productivity, (3) successful administrative/leadership experience, (4) effective communication, facilitative, and organizational skills, and (5) strong collaborative leadership skills.

Interested candidates must submit a candidate profile. In addition, they must submit a letter of application, curriculum vitae, names and contact information for three references, and a statement of leadership philosophy-attached as Additional Doc.#1.

Applications must be submitted on-line via jobs.ecu.edu.

Official transcripts and letters of reference must be received prior to any offer of employment.

The anticipated start date is July 1, 2014.

East Carolina University is an Equal Opportunity/Affirmative Action Employer.

Visit this job posting at ecu.peopleadmin.com/applicants/Central?quickFind=73194.

École Polytechnique Fédérale 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 **February 15, 2014**) 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.

Educational Testing Service

AP Reader

Share your expertise and interact with fellow computer science faculty at the annual AP® Reading

Cincinnati, OH • June 2014

For more than 50 years, AP® has partnered with high school AP teachers and faculty at colleges/universities to prepare students for success in higher education. By participating in the AP Reading, college-level faculty and high school teachers help ensure that AP exams continue to measure a student's ability to master college-level work. This year we are especially looking for expertise in Computer Science.

Join more than 11,000 college faculty and experienced AP teachers who convene annually to score free-response questions from students around the world. You'll receive an honorarium and reimbursement for travel expenses, lodging and meals.

For more information and eligibility requirements, visit: apcentral.collegeboard.org/applytoread.



FX Palo Alto Laboratory, Inc.

FX Palo Alto Laboratory (FXPAL) is seeking talented research scientists to join our lab as regular or visiting employees (e.g. post doc or faculty sabbatical). FXPAL's research spans multimedia, information access, smart spaces, and remote collaboration. The following research area is of particular interest, although we will consider exceptional candidates in other related areas.

Collaborative Spaces and Telepresence

This candidate will join an existing, technically diverse team working on a variety of presence and communication technologies. We seek candidates with backgrounds in multimedia systems, ubiquitous computing, distributed systems, and/or human-computer interaction. Ideal candidates will have prior experience working on communication tools and/or telepresence applications.

This position requires a Ph.D. in Computer Science or related field and strong development skills.

About FXPAL

We provide multimedia and document services technology research for Fuji Xerox Co., Ltd. Our mission is to research and invent new technologies, to cooperate with Fuji Xerox business units to develop technologies and to interact with the US software industry to deliver new products for the Fuji Xerox market.

To Apply

Please email your resume to: fxpalresumes@fxpal.com. We are an equal opportunity employer, and value diversity in the workplace.

Professional Opportunities

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George Mason University

Department of Computer Science

Term Assistant Professor

The Department of Computer Science at George Mason University invites applications for a renewable, term, non tenure-track Assistant Professor position beginning Fall 2014.

Responsibilities include teaching undergraduate computer science courses as well as service duties associated with the department's undergraduate degree programs. For information on the department, visit our Web site: <http://cs.gmu.edu/>.

Minimum qualifications include a Ph.D. in computer science, software engineering or related field, and a strong commitment and demonstrated excellence in teaching.

For full consideration please submit a faculty application and application materials online at <http://jobs.gmu.edu> for position number F9770z. To apply, you will need a statement of professional goals including your perspective on teaching, a complete C.V. with publications and teaching history, and the names of three references. The review of applications will begin on February 1, 2014 and will continue until the position is filled.

George Mason University is an innovative, entrepreneurial institution with national distinction in a range of academic fields, and has been ranked the number one "up-and-coming" university by U.S. News and World Report. The Computer Science Department is part of the Volgenau School of Engineering, which was ranked sixth in 2013 among U.S. schools for Return on Investment by Payscale.com and www.Affordablecollege.com. Enrollment at Mason exceeds 34,000, with students studying in

over 198 degree programs. The Volgenau School of Engineering maintains close ties with the engineering and IT communities in Northern Virginia and the metropolitan Washington, DC area in both industry and government. For more information about the Volgenau School of Engineering, please see <http://volgenau.gmu.edu>.

George Mason University is an affirmative action/ equal opportunity employer encouraging diversity.

George Mason University

Volgenau School of Engineering - Department of Applied Information Technology

Professor and Department Chair

The George Mason University, Department of Applied Information Technology welcomes nominations and applications for a distinguished and accomplished individual to serve as Chair of the department, at the rank of Professor. We particularly desire candidates with demonstrated scholarship and research interests in an area that supports the department's mission to provide a premier graduate and undergraduate applied information technology education focused on and responsive to the unique technology, management, leadership and innovation needs of government, government-related, and corporate employers.

The Department of Applied Information Technology has some of the most successful graduate and undergraduate programs at the university. It offers a B.S. and M.S. in Applied Information Technology, and participates in the school-wide Ph.D. program in Information Technology. Its Accreditation Board for Engineering and Technology (ABET)-accredited B.S./AIT program is the largest undergraduate program in the Volgenau School of Engineering (VSE). The majority of its undergraduate students transfer from the Virginia Community College System. The department is also a participant in the proposed M.S. in Data Analytics Engineering which is expected to launch in fall 2014. The department is recognized as a leader in designing and delivering customized applied information technology programs for intelligence community agencies. The department has 19 full-time faculty in a mix of tenured, tenure-track and term positions, as well as numerous adjunct faculty. The adjunct professors, in particular, bring business and government expertise and the knowledge needed to teach practical examples of the application of information technology to the solution of business and government problems. Faculty in the department conduct research in areas including information security, artificial intelligence, and IT entrepreneurship, and are affiliated with some of the VSE's major research centers.



FX Palo Alto Laboratory, Inc.

FX Palo Alto Laboratory (FXPAL) is seeking talented research scientists to join our lab as regular or visiting employees (e.g. post doc or faculty sabbatical). FXPAL's research spans multimedia, information access, smart spaces, and remote collaboration. The following research area is of particular interest, although we will consider exceptional candidates in other related areas.

Data Mining and Visual Analytics

The ideal candidate has expertise in analysis, visualization and management of media such as text, image, video, and audio. Ideal candidates will also have experience in network analysis as applied to social and enterprise media such as microblogs, forums, and emails and/or data visualization and interactive large-scale data applications. Fluency with tools supporting the collection, organization and processing of large structured and unstructured data sets is desirable.

This position requires a Ph.D. in Computer Science or related field and strong development skills.

About FXPAL

We provide multimedia and document services technology research for Fuji Xerox Co., Ltd. Our mission is to research and invent new technologies, to cooperate with Fuji Xerox business units to develop technologies and to interact with the US software industry to deliver new products for the Fuji Xerox market.

To Apply

Please email your resume to: fxpalresumes@fxpal.com. We are an equal opportunity employer, and value diversity in the workplace.

Professional Opportunities

Qualifications:

We are seeking an outstanding individual who will bring new ideas to the program; who is enthusiastic about both undergraduate and graduate teaching; who has the ability to lead the department to higher levels of accomplishment and recognition; and who has a strong commitment to scholarship and an outstanding collaborative research record. Applicants should hold an earned doctorate in a related field, have a strong record of scholarship and externally funded research, have significant leadership experience, and have knowledge and/or experience in the application of information technology. Information about the department is available at <http://ait.gmu.edu/>.

In 2013, VSE ranked sixth among U.S. schools for return on investment (ROI) by Payscale.com and [Affordable Colleges.com/](http://AffordableColleges.com/). Enrollment at Mason is approximately 34,000, with students studying in over 198 degree programs. The Volgenau School of Engineering maintains close ties with the engineering community in northern Virginia and the metropolitan Washington, D.C., area in both industry and government. For more information about the Volgenau School of Engineering please see <http://volgenau.gmu.edu/>.

For full consideration, please submit an online faculty application at <http://jobs.gmu.edu> for position number F9769z; and attach a curriculum vita, a letter of intent, and the contact information for three professional references. Questions about the application process and nominations should be directed to: Dr. Stephen Nash, snash@gmu.edu. Review of applications will begin February 4, 2014, and will continue until the position is filled.

AA/EOE

Harvard School of Engineering and Applied Sciences

Institute for Applied Computational Science

Lecturers in Data Science/Computational Science

The Harvard School of Engineering and Applied Sciences (SEAS) seeks applicants for open positions of Lecturer in Computational Science and Data Science in the Institute for Applied Computational Science (<http://iacs.seas.harvard.edu>), with an expected start date of July 1, 2014. The positions are annual (twelve-month) academic appointments, renewable for up to three years, depending on continuing curricular need and performance.

Candidates are required to have a doctoral degree in Computer Science, Applied Mathematics, Statistics, or a related field by the expected start date. In addition, we seek candidates with a record of teaching at the undergraduate or graduate level.

Duties include teaching two courses per year, supervising student projects, and conducting independent research in an area of the lecturer's choosing. Teaching needs for the coming year include coursework in the following areas:

- Fundamentals of scientific computing with emphasis on parallel programming and scientific software systems
- Mathematical foundations and numerical algorithms for computational science
- Data science, including data management, data analysis, visualization, and prediction based on statistical methods

Required documents include a cover letter, a cv, a one-page statement of teaching interests, and names and contact information for at least three references. Applicants will apply on-line at <http://academicpositions.harvard.edu/postings/5150>. We encourage candidates to apply by January 1, 2014, but will continue to review applications until the positions are filled.

Harvard is an Equal Opportunity Employer/Affirmative Action employer. Applications from women and minority candidates are strongly encouraged.

The Hong Kong Polytechnic University

Department of Computing

Associate Professor / Assistant Professor (two posts)

The Hong Kong Polytechnic University is a government-funded tertiary institution in Hong Kong. It offers programmes at various levels including Doctorate, Master's, and Bachelor's degrees. It has a full-time academic staff strength of around 1,200. The total consolidated expenditure budget of the University is close to HK\$5 billion per year.

The Department of Computing is being ranked 49th in Computer Science and Information Systems in 2013 QS World University Ranking. The Department currently has 32 academic staff conducting high-quality teaching and high-impact research. For more information about the Department, please visit its website: <http://www.comp.polyu.edu.hk>.

The Department is seeking for outstanding applicants in the areas related to Big Data and Human Centered Computing. In particular, candidates with expertise and experiences in big data platforms, analytics and visualization, human behavior analysis, and human-computer interaction are strongly encouraged to apply.

Associate Professor / Assistant Professor (two posts)

The appointees will be required to (a) teach at both undergraduate and postgraduate levels, and

supervise research students; (b) initiate innovative research projects that lead to publications in top-tier refereed journals and awards of external research grants; (c) engage in research collaborations both internally and internationally; (d) participate in professional services to the academic community and in promotional activities; and (e) contribute to departmental activities.

Applicants should have a PhD degree with an excellent track record of research in one of the above areas relevant to the strategic development of the Department. Applicants should also show strong evidence of commitment to research that leads to top quality publications with high impact.

Candidates with higher qualification/experience will be considered for the post of Associate Professor.

Remuneration and Conditions of Service

A highly competitive remuneration package will be offered. Initial appointment for Assistant Professor will be on a fixed-term gratuity-bearing contract. Re-engagement thereafter is subject to mutual agreement. An appropriate term will be provided for appointment at Associate Professor level. Applicants should state their current and expected salary in the application.

Application

Please submit application form via email to hrstaff@polyu.edu.hk; by fax at (852) 2364 2166; or by mail to **Human Resources Office, 13/F, Li Ka Shing Tower, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong**. If you would like to provide a separate curriculum vitae, please still complete the application form which will help speed up the recruitment process. Application forms can be obtained via the above channels or downloaded from <http://www.polyu.edu.hk/hro/job.htm>. **Recruitment will continue until the positions are filled.** Details of the University's Personal Information Collection Statement for recruitment can be found at <http://www.polyu.edu.hk/hro/jobpics.htm>.

For further details about the University, please visit: www.polyu.edu.hk.

The Hong Kong Polytechnic University

Department of Computing

Research Assistant Professor (two posts)

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Professional Opportunities

The Department of Computing is being ranked 49th in Computer Science and Information Systems in 2013 QS World University Ranking. The Department currently has 32 academic staff conducting high-quality teaching and high-impact research. For more information about the Department, please visit its website: <http://www.comp.polyu.edu.hk>.

The Department is seeking for outstanding applicants in the areas related to Big Data and Human Centered Computing. In particular, candidates with expertise and experiences in big data platforms, analytics and visualization, human behavior analysis, and human-computer interaction are strongly encouraged to apply.

Research Assistant Professor (two posts)

The appointees will be required to (a) conduct innovative research projects that lead to publications in top-tier refereed journals and awards of external research grants; (b) engage in research collaborations both internally and internationally; (c) teach at both undergraduate and postgraduate levels, and supervise research students; (d) participate in professional services to the academic community and in promotional activities; and (e) contribute to departmental activities.

Applicants should have a PhD degree plus an excellent track record of research in one of the above areas relevant to the strategic development of the department. Applicants should also show strong evidence of commitment to research that leads to top quality publications with high impact.

Remuneration and Conditions of Service

The remuneration package for the Research Assistant Professor post is the same as an Assistant Professor post. A highly competitive remuneration package will be offered. Appointment for Research Assistant Professor will be on a fixed-term gratuity-bearing contract for up to three years. Re-engagement thereafter is subject to mutual agreement. Applicants should state their current and expected salary in the application.

Application

Please submit application form via email to hrstaff@polyu.edu.hk; by fax at (852) 2364 2166; or by mail to **Human Resources Office, 13/F, Li Ka Shing Tower, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong**. If you would like to provide a separate curriculum vitae, please still complete the application form which will help speed up the recruitment process. Application forms can be obtained via the above channels or downloaded from <http://www.polyu.edu.hk/hro/job.htm>. **Recruitment will continue until the positions are filled.** Details of the University's Personal Information Collection Statement for recruitment can be found at <http://www.polyu.edu.hk/hro/jobpics.htm>.

For further details about the University, please visit: www.polyu.edu.hk.

Illinois Institute of Technology, Chicago, Illinois

Chair, Department of Computer Science

Applications and nominations are invited for the position of Chair of the Department of Computer Science. The candidate's mission is to lead the department to national prominence while providing strategic vision and decisive leadership in research and education, and fostering interdisciplinary interactions both within IIT and with government and industry. Candidates must have the qualifications and standing to be appointed as a tenured full professor and will be expected to maintain a strong research program. Successful candidates should have an international reputation in computer science, excellent communication and administrative skills, and a desire to take a growing department and continue its development into one of the major centers for CS research and education in the country.

The computer science department at IIT has a strong research focus and currently has 17 tenured and tenure-track, 8 full-time teaching, and 2 research faculty members. Over the past three years the department has hired five new faculty – all from top-tier computer science departments. Research funding in the department is high, including several NSF CAREER awards. Faculty research areas include computer networking, distributed and parallel systems, cloud computing, database systems, algorithms, machine learning, natural language processing, computer vision, computer security, and software engineering. The department offers Bachelor of Science, Master of Science, Professional Master's and Ph.D. degrees. Current enrollment is approximately 200 undergraduate and 500 graduate students. The department has strong cooperative research activities with a variety of local corporations, universities, and government agencies such as Argonne and Fermi national laboratories. The National Research Council has consistently ranked the CS Department within the top 100 research-doctorate programs.

IIT is a private Ph.D.-granting research university that offers degrees in engineering, science, architecture, psychology, law, and business. The main campus is located four miles south of downtown Chicago and hosts a technology park for high-tech startup companies. The position of department chair offers highly competitive compensation and benefits.

For full consideration, applicants should submit a letter of interest outlining their experience and qualifications for the position, curriculum vitae, and

the names and contact information for at least three references. Applications will be accepted until the position is filled. An initial review of applications will begin January 13, 2014.

Submissions should be sent electronically to CS_Chair_Search@iit.edu.

For additional information, please visit: http://cos.iit.edu/cs_chair_search.

Questions and inquiries should be sent to: Professor Christopher White, Chair, CS Search Committee

10 W. 35th Street, Suite 7D7-1
Chicago, IL, 60616

whitec@iit.edu

Illinois Institute of Technology is an affirmative action/equal opportunity employer.

Indiana University School of Informatics and Computing at IUPUI

Department of BioHealth Informatics

Two Open Rank, Tenure Track Faculty Positions

Join the faculty of an exciting and growing academic Department of BioHealth Informatics (BHI) at the new Indiana University School of Informatics and Computing (SoIC) at Indiana University-Purdue University Indianapolis (IUPUI)! The SoIC is recruiting two highly motivated individuals to join the Department of BioHealth Informatics. Candidates must demonstrate an outstanding scholarly record and excellent research credentials, exhibited by original peer-reviewed publications in highly-selective international venues, and a forward-looking, vigorous research agenda that will secure competitive, external funding. As tenure track faculty for BHI, the new faculty will have responsibility for developing their research programs and contributing to the educational and service roles of the department.

The successful candidate must have a doctorate in clinical or related information and/or computing sciences and track-record of achievements in teaching, research, and service. The substantive areas of expertise sought are open; however, we are interested in candidates who will strengthen our new school's capacity in the following areas: (1) the learning healthcare system; (2) clinical intelligence, big data, data analytics; (3) translational biomedical and clinical informatics; or (4) consumer health and social informatics. See <http://soic.iupui.edu/>.

IUPUI is the health and life science campus of Indiana University and the focal point of health profession education in the State of Indiana and located in downtown Indianapolis. SoIC is situated on the academic Medical Center Campus, home to the

Professional Opportunities

Indiana University School of Medicine, the second largest medical school in the US. It is also home to the new Fairbanks School of Public Health.

Review of applications for the positions will begin on December 1, 2013 and continue until the positions are filled. Salary will be commensurate with rank and experience. We are committed to building a diverse faculty and encourage and welcome applications from minorities and women.

Submit a cover letter summarizing your research and teaching interests, and experience; curriculum vitae; and request four letters of reference be sent directly to informhr@iupui.edu.

Indiana University is an Affirmative Action/Equal Opportunity Employer.

International Computer Science Institute, Berkeley, California

Director

The International Computer Science Institute (ICSI) is a leading center for research in computer

science and one of the few independent, nonprofit research institutes in the United States. With its unique emphasis on international collaboration, ICSI brings together experts from around the world to focus on a variety of computer science topics. This is accomplished through active international visitor programs in which researchers from abroad visit ICSI to work with staff scientists and their networks of academic, government, and industrial partners. There are approximately eighty scientists in residence at ICSI including principal investigators, postdoctoral associates, visiting researchers, and students. ICSI funding primarily comes from US Federal agencies and international visitor programs. To learn more about ICSI, please go to <http://www.icsi.berkeley.edu/icsi/>.

ICSI is currently seeking candidates for Director of the institute. The Director will serve as the leader and administrative head of the Institute, and report directly to the Board of Trustees. As institute leader, the ICSI Director's primary responsibilities are to act as an external advocate for ICSI research and to work collaboratively with ICSI researchers and staff to: strengthen and expand ICSI's research agenda, identify and pursue strategic funding opportunities;

maintain and expand ICSI's international visitors programs; and re-envision ICSI's relationship with UC Berkeley. The Director will also continue her/his own research program, if applicable, but the Director's main leadership responsibilities are to create an environment that enables ICSI researchers to succeed.

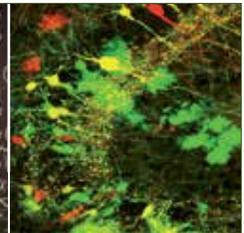
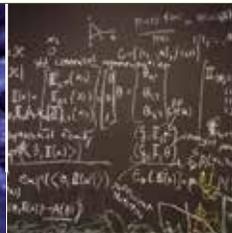
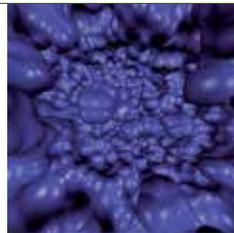
ICSI is an Affirmative Action/Equal Opportunity Employer. Applications from women and minorities are especially encouraged. Please send CVs to apply-director@ICSIBerkeley.EDU.

Iowa State University

Department of Computer Science

Assistant/Associate/Full Professor

Iowa State University has launched the Presidential High Impact Hires Initiative to support targeted faculty hiring in areas of strategic importance. A cluster hire of 12 faculty in five colleges within the strategically important area of Big Data is included among the 29 high-impact hires targeted in this Presidential Initiative. As part of the initiative, the



ISTFELLOW: Call for Postdoctoral Fellows

Are you a talented, dynamic, and motivated scientist looking for an opportunity to conduct research in the fields of **BIOLOGY, COMPUTER SCIENCE, MATHEMATICS, PHYSICS, or NEUROSCIENCE** at a young, thriving institution that fosters scientific excellence and interdisciplinary collaboration?

Apply to the ISTFellow program. Deadlines March 15 and September 15

www.ist.ac.at/istfellow



ISTFELLOW is partially funded by the European Union



Professional Opportunities

Department of Computer Science and the College of Liberal Arts and Sciences invites applications for a tenure-track or tenured position at the Assistant Professor, Associate Professor or Professor level to begin fall 2014. We are especially interested in candidates with demonstrated track record in mining software repository (MSR) techniques for large-scale repositories.

If interested or looking for more details, please visit: <https://www.iastatejobs.com/> and look for Vacancy #131239.

To ensure consideration, please apply by 12/15/2013.

For more information on Iowa State University, please visit: <http://www.iastate.edu>

ISU is an EO/AA employer.

Iowa State University

Department of Computer Science

Assistant Professor

The Department of Computer Science at Iowa State University seeks outstanding applicants for an Assistant Professor at the intersection of big data analytics, bioinformatics, and computational biology. This position is expected to conduct research and publish in top tier venues in their field; collaborate with other researchers throughout campus who are involved in data driven discovery in biology; secure research funding; and instruct undergraduate and graduate students.

ISU is one of the nation's most student-centered public research universities. One hundred majors, 800 student organizations, learning communities, undergraduate research opportunities, study abroad programs, and faculty committed to the land-grant principle of knowledge with practice has resulted in record enrollment, donations, and sponsored programs. ISU is a member of the prestigious Association of American Universities and is ranked as one of the top 50 public universities in the nation by U.S. News and World Report. The university is located in Ames, a community ranked as one of the top 10 places to live in the U.S. by Money magazine. <http://www.iastate.edu/about/>. For more information on ISU, visit: <http://www.iastate.edu>.

For information on this vacancy or to apply online, visit: <https://www.iastatejobs.com/> Vacancy #131181.

To ensure consideration, please apply by 12/15/2013.

ISU is an EO/AA employer.

Johns Hopkins University

Bloomberg Distinguished Professorship in Statistical Genomics

Johns Hopkins University is seeking applicants for a new Bloomberg Distinguished Professorship in Statistical Genomics. This position is one of 50 new Bloomberg Distinguished Professorships designated for outstanding scholars who carry out interdisciplinary research and teaching in areas identified for significant growth at the University. The current position is linked to expanding the University-wide Individualized Health Initiative (inHealth), which aims to develop and implement novel methods and tools to intelligently use information to individualize wellness, early disease detection, and more effective and affordable treatment. The position will include joint tenure in the Bloomberg School of Public Health (SPH), the School of Medicine (SoM), and the Whiting School of Engineering (WSE), with appointments in the Departments of Biostatistics (SPH), Medicine or Oncology (SoM), and Computer Science or Applied Mathematics & Statistics (WSE). The holder of this Bloomberg Distinguished Professorship will participate in scholarly activities across these aforementioned schools. Applicants should possess distinguished records of achievement in research in statistical genomics and in the teaching of undergraduate and graduate students compatible with appointment to tenure at Johns Hopkins University.

The deadline for applications is December 15, 2013, although applications will be considered after that date as long as the position remains open. Johns Hopkins University is committed to enhancing the diversity of its faculty and encourages applications from women and minorities.

Application Instructions

To submit an application, please submit a cover letter and curriculum vitae to bdp.sg@jhu.edu, or use the link provided below: <http://www.jhsph.edu/departments/biostatistics/docs/statistical-genomics-professor-faculty-opening-2014-2015.pdf>.

The Johns Hopkins University is an affirmative action/equal opportunity employer.

Johns Hopkins University

Junior and Senior Researchers

The Human Language Technology Center of Excellence (COE) at Johns Hopkins University seeks to hire outstanding junior and senior researchers in all areas of speech and language processing. Positions include research scientist and post-doc.

The COE, located near Johns Hopkins' beautiful Homewood campus in Baltimore, Maryland, conducts long-term research on fundamental challenges that

are critical for real-world problems. Its researchers publish widely.

Applicants must hold a Ph.D in computer science, linguistics, electrical engineering, or a closely related field.

Candidates should have a strong background in one or more of these areas:

- **Natural Language Processing and Understanding:** Information extraction, knowledge distillation, semantics, sentiment, parsing, morphology, including low-resource languages
- **Machine Translation:** Low-resource languages, large-scale training, phrase-based and syntax-based approaches
- **Speech Processing:** Robust speech recognition and speaker identification (multiple languages, genres, and channels, limited resources), speech retrieval, language identification
- **Machine Learning:** Large-scale learning, transfer learning, semi-supervised learning, data mining

Research Scientists

Research scientist positions carry many of the same benefits and responsibilities as faculty positions. Scientists are charged with setting the agenda for a research program, working with other members of the HLTCOE research team to pursue the organization's cutting edge research goals, publishing research results in academic venues, advising students, and (optionally) teaching University courses.

Senior applicants: A senior applicant should be an experienced researcher with a track record of high quality publications, and should also have significant experience in project management and a demonstrated ability in building HLT systems. Senior applicants should have experience equivalent to the level of associate professor. Applications will be considered on a rolling basis.

Junior applicants: Junior applicants should have a strong record of publication, and demonstrated research experience. Applicants should have experience equivalent to those applying to assistant professor positions. Submit applications by **January 3, 2014** for full consideration; however, applications will be accepted until positions have been filled.

Post-Docs

Recent PhD graduates may apply for postdoctoral positions, which last from 1-2 years. Applicants will be supervised by research scientists.

More Information: <http://hlcoe.jhu.edu/opportunities/>

Professional Opportunities

Applications: <https://academicjobsonline.org/ajobs/2911>

Note: U.S. Citizenship and security clearance are required for most positions; the COE will seek a clearance for those who do not already have one.

Lafayette College

Department of Computer Science

Assistant Professor Position in Interdisciplinary Computational Science

The Department of Computer Science at Lafayette College invites applications for a tenure-track position in computer science for the 2014-2015 academic year. Ideal applicants must be grounded in computer science and working with other fields in an interdisciplinary way. This work should be in the humanities, social sciences, or sciences. Example areas of interest include, but are not limited to: Digital Music, Computational Economics, Computational Chemistry, Digital Art, Computational Anthropology, and Geographic Information Systems. Applicants without a Ph.D. in Computer Science, or a related area, must have a terminal degree and demonstrate the ability to teach in a computer science curriculum.

The Department is an ABET accredited program consisting of five full-time tenure-track faculty positions, with this position being the fifth. The department has a diverse set of interests ranging from theoretical computer science and computer systems to tutoring systems, natural computing and biological modeling. Reflected by this range of interests, the department is very supportive of interdisciplinary work and has consistently reached out to other parts of the college to support computation in all its many forms. Similarly, the department is very supportive of junior faculty interested in developing interdisciplinary relationships and applicants should consider this development work as something that will be expected.

The department offers a Bachelor of Science and Bachelor of Arts degrees in computer science, as well as, minors in computer science and computational methods. The teaching load is five courses per year, with the exception of the first year when the teaching load is four courses. The school, and department, is very supportive of research with funds for conference/research travel available and a student researcher program (the EXCEL Scholars program) where students work with faculty to support their research goals. For details about our program, please see our homepage: <http://compsci.lafayette.edu>.

Lafayette College is a highly selective private liberal-arts college located in the Lehigh Valley

of Pennsylvania. The college is approximately 70 miles north of Philadelphia and 70 miles west of New York City. Lafayette College is committed to creating a diverse community: one that is inclusive and responsive, and is supportive of each and all of its faculty, students, and staff. All members of the College community share a responsibility for creating, maintaining, and developing a learning environment in which difference is valued, equity is sought, and inclusiveness is practiced. Lafayette College is an equal opportunity employer and encourages applications from women and minorities.

Application Process

Applications should be directed through the online submission form found at the department website: <https://compsci.lafayette.edu/search>. When applying, the following information is required: a cover letter; a curriculum vita; a research statement; a statement of teaching; and contact information for at least three references. A separate online submission form will be provided for references to submit their letters. Additionally, candidates should request that their references submit a letter without departmental request. The candidate should also be aware that only complete applications will be processed and they will be alerted when the application is complete. Any inquiries can be directed to the search committee and its chair through the following email address: compsci@lafayette.edu.

Application review will begin mid-January 2014 and continue until the position is filled.

Louisiana State University

School of Electrical Engineering and Computer Science

Assistant Professor (Two Positions/Tenure-Track)

Responsibilities include establishing a vigorous, externally funded research program, publishing in highly ranked journals and conference proceedings, supervising graduate students, and teaching graduate and undergraduate courses in the applicant's area of specialization, and serving on committees in the division, college, and professional societies. The position will be 50% teaching and 50% research.

Required Qualifications: Ph.D. in Computer Science or other relevant discipline, a record of published research, and the ability to attract funding.

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

Application deadline is November 15, 2013 or until candidates are selected.

Apply online and view a more detailed ad at: www.lsusystemcareers.lsu.edu. Position #037506/037620

LSU IS AN EQUAL OPPORTUNITY/EQUAL ACCESS EMPLOYER

Quick link at ad URL: <https://lsusystemcareers.lsu.edu/applicants/Central?quickFind=56559>.

Loyola University Chicago

Department of Computer Science

Lecturer of Computer Science

We invite applications for a full-time, three-year-renewable position at the rank of Lecturer beginning fall 2014. The department serves nearly 200 undergraduate majors, over 50 minors, and over 100 master's students, and also contributes to interdisciplinary programs in several areas. For more information, please see www.cs.luc.edu.

Teaching duties for the position will be three to four courses per semester at the undergraduate and graduate levels with an emphasis on introductory/core courses.

The successful applicant will have an advanced degree (PhD preferred) in computer science or a closely related field. We encourage candidates in all areas of computer science to apply but especially encourage candidates with strong background and interests in teaching introductory programming classes and in data-centric computing (a.k.a. "big data" or "digging into data"), including but not limited to high-performance parallel/distributed computing, large-scale databases, and cloud computing. Candidates with interdisciplinary background are strongly encouraged to apply.

Applicants should follow the instructions available here: www.careers.luc.edu/applicants/Central?quickFind=56615.

Review of applications begins immediately and will continue until the position is filled. LUC is an Equal Opportunity/Affirmative Action employer with a strong commitment to hiring for our mission and diversifying our faculty. Applications from women and minority candidates are especially encouraged.

Max Planck Institute for Software Systems

Security and Privacy (S&P) group

Postdoc positions in IT-Security, Privacy, and Cryptography

The security and privacy (S&P) group at the Max Planck Institute for Software Systems is currently offering postdoc positions under the supervision of Michael Backes. The S&P group collaborates

Professional Opportunities

closely with the Center for IT-Security, Privacy and Accountability (CISPA) at Saarland University.

MPI-SWS is a publicly funded academic research institution focused on problems of fundamental importance in the broad area of software systems. The S&P group conducts research in various aspects of IT-security, privacy, and cryptography. Topics of particular interest include, but are not limited to:

- design and formal verification of security protocols, programs, and architectures,
- privacy enhancing technologies in a broad sense, e.g., privacy in data acquisition, processing, and publishing,
- network and operating systems security,
- web security,
- reliability, accountability and trust,
- cryptography,
- as well cross-cutting disciplines such as usability and social aspects in this research field

The positions are offered for two years, with the possibility of renewal for another year. Postdoc applicants are required to hold a doctoral degree in computer science or a closely related area, or have it completed at the time of taking up the position. We expect successful applicants to have a strong background in one or more of the aforementioned research topics, and to maintain an outstanding academic track record. The working and teaching language is English.

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 worldwide, including Yale, Telecom ParisTech, Microsoft Research and INRIA.

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.

Application Instructions:

Applications should contain a CV, copies of transcripts, certificates as well as a research statement and two references. Applications will be accepted for evaluation until the positions have been filled. Please send your application to Michael Backes via e-mail.

Contact: Prof. Dr. Michael Backes

E-Mail: application-backes@infsec.cs.uni-saarland.de

About the location:

Saarland University is the home of one of the highest-ranked CS departments in Germany. In the department's immediate proximity are the Max Planck Institute for Informatics (MPI-INF), the Max

Planck Institute for Software Systems (MPI-SWS), the German Center for Artificial Intelligence (DFKI), the Excellence Cluster for Multimodal Computing and Interaction (MMCI), as well as the Intel Visual Computing Institute (IVCI). The close interactions and collaborations between these institutes, and their joint interest in IT-security research, enables CISPA to address research problems in IT-security in a comprehensive manner.

Max Planck Institute for Software Systems (MPI-SWS)

Senior Faculty Position in Software Systems

Applications are invited for a senior faculty position in the Max Planck Institute for Software Systems (MPI-SWS). The position is that of a director and scientific member of the Max Planck Society, and is comparable to an endowed chair position at a leading university. Directors lead their individual research groups, and also provide strategic direction for the institute, mentor junior faculty, and take turn in chairing the faculty. A successful candidate is an internationally recognized leader in the research community, and pursues a compelling and far-reaching research vision.

All areas related to the study, design, and engineering of software systems are considered. These areas include, but are not limited to, security and privacy, embedded and mobile systems, social computing, large-scale data management, programming languages and systems, software verification and analysis, parallel and distributed systems, storage systems, and networking. Preference will be given to candidates whose research complements existing strengths.

MPI-SWS, founded in 2005, is part of a network of 82 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:

- a) Faculty independently lead a team of graduate students and post-docs. They have full academic freedom and publish their research results freely. Substantial base funding complements third-party funds.
- b) Faculty supervise doctoral theses, and have the opportunity to teach graduate and undergraduate courses.

c) Faculty are provided with outstanding technical and administrative support facilities as well as internationally competitive compensation packages.

MPI-SWS currently has 10 tenured and tenure-track faculty and 50 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 expected. 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.

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 are invited to send a CV and cover letter to rupak@mpi-sws.org. The review of applications will begin on Feb 1, 2014; applications will continue to be accepted until the position is filled.

The Max Planck Society is committed to increasing the representation of women and individuals with physical disabilities in Computer Science. We particularly encourage such individuals to apply.

Missouri University of Science and Technology

Faculty Positions in Computer Science -
<http://cs.mst.edu/>

The Department of Computer Science at the Missouri University of Science and Technology in Rolla, Missouri is seeking outstanding applicants for two positions: **(1) a tenure-track/tenured (TT) faculty position** in Software Engineering, or Software Systems in emerging areas at all ranks, but preferably at the level of Associate or Full Professor, and **(2) a non-tenure track (NTT) faculty position** at the level of Assistant Teaching Professor, although highly-qualified applications for Associate/ Full Teaching Professor may be considered. Both appointments will start in Fall 2014, and competitive salaries commensurate with the rank and qualifications of the candidates will be offered.

The successful TT candidate will be expected to have a strong commitment to contributing to the departmental research efforts in Software

Professional Opportunities

Engineering or Software Systems in emerging areas, high-quality teaching both at the undergraduate and graduate levels, and service. Applicants should have a demonstrated excellent record of research publications, external funding, and evidence of high-quality teaching. The candidates at the associate and full professor should have a sustained record of external grants, Ph.D. supervision, strong publication record, quality teaching and evidence of leadership role. Applicants must hold a Ph.D. in Computer Science or a closely related field by the appointment start date.

Interested TT applicants must apply at: <http://hraadi.mst.edu/hr/employment> using Reference Number 59845. An application should include 1) a cover letter, 2) a current curriculum vitae, 3) a statement of research and teaching interests and experience, and 4) complete contact information for five references.

The successful NTT candidate will be expected to have a strong commitment to innovative high-quality teaching at the undergraduate level. Applicants must have a demonstrated record of quality teaching and hold a graduate degree, Ph.D. preferred, in Computer Science or a closely related field by the appointment start date.

Interested NTT applicants must apply at: <http://hraadi.mst.edu/hr/employment> using Reference Number 59846. An application should include 1) a cover letter, 2) a current curriculum vitae, 3) a statement of teaching interests and experience, 4) any supplementary evidence of teaching and communication skills, and 5) complete contact information for five references.

Acceptable electronic formats include PDF and MS Word. Review of applications will begin February 15, 2014 and continue until the positions are filled. More information about these positions can be found at: <http://cs.mst.edu>.

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

NEC Laboratories America, Inc.

Researcher - Big Data Analytics

NEC Laboratories America, Inc. is a vibrant industrial research center, conducting research in support of NEC's U.S. and global businesses. Our research program covers many areas, reflecting the breadth of NEC business, and maintains a balanced mix of fundamental and applied research.

The Autonomic Management group conducts research in the area of large-scale complex systems. We are creating innovative analytics from big data to simplify and automate the management of physical

systems (e.g., automobiles, power plants, smart city), as well as large-scale IT systems and services. Our group has several ongoing projects on big data analytics including massive time series modeling, heterogeneous log analysis, and large graph mining, etc. Our researchers have expertise in statistics, data mining, signal processing, pattern recognition and distributed systems. We strongly believe in publishing our research results as well as building technologies that can solve real world problems and ultimately support our business needs. Many of our research results have been transferred into award-winning NEC products.

Currently, the group is seeking researchers to work in the area of data analytics and mining for complex systems. The ideal candidate must have expertise in data mining and statistical learning, and is expected to analyze massive amount of monitoring data from complex physical and IT systems to model and analyze their complex behaviors. He/she must have a PhD in CS/CE with a strong publication record in at least one of the following areas:

- Data mining and statistical learning
- Time series analysis and prediction
- Big data analytics and algorithms
- Signal processing and information theory

For more information about NEC labs, access www.nec-labs.com and submit your CV and research statement through our career center at https://www.appone.com/MainInfoReq.asp?R_ID=763365&B_ID=83&fid=1&Adid=&ssbgcolor=FFFFFF&SearchScreenID=1381&CountryID=3&LanguageID=2.

[SearchScreenID=1381&CountryID=3&LanguageID=2](https://www.appone.com/MainInfoReq.asp?R_ID=763365&B_ID=83&fid=1&Adid=&ssbgcolor=FFFFFF&SearchScreenID=1381&CountryID=3&LanguageID=2).

EOE

NEC Laboratories America

Researcher – Data Management

If you are passionate about conducting exploratory research in an industrial research lab environment with ability to publish in premier research forums while contributing to industrial products and services, **NEC Laboratories America** is seeking outstanding researchers to join the Data Management Department in Cupertino, CA.

NEC Labs provides a unique industrial research environment where our researchers can pursue their passion in exploratory research projects and publish while they contribute to industrial products and services by working on real-life problems and applying ideas devised from their exploratory research.

Our organization is well connected with leading universities and thought leaders in academia, which gives the researchers rich opportunities

for collaboration and exploration of wide range of research areas.

Our research interests cover a wide range of areas including, Data Management in the Cloud, Big Data Analytics, Mobile Data Management, Data Sharing and Data Markets, and Synergies between Databases and Machine Learning models.

Candidates must have a Ph.D. degree (or equivalent) in Computer Science (or related fields) with solid data management background and strong publication record in related areas. Successful candidates are expected to be proactive with a can-do attitude, able to conduct research independently, and must have:

- Deep understanding of data management systems and database internals
- Strong hands-on system building and prototyping skills
- Experience in distributed data management
- Good knowledge of emerging data models and data processing techniques (e.g., Key/Value Stores, Column-Oriented Databases, MapReduce, etc.)
- Knowledge of middleware technologies

Experience in Cloud Computing, SaaS, Service Oriented Computing, Mobile Data Management areas is a major plus.

For consideration, please submit your CV and research statement at <http://www.nec-labs.com/careers/index.php>.

NEC Labs (www.nec-labs.com) is a premier industrial research center renowned for technical excellence and high-impact innovations that conducts research and development in support of global businesses by building upon NEC's long history of innovation. Our research programs cover a wide range of technology areas and maintain a balanced mix of fundamental and applied research as they focus on innovations, which are ripe for technical breakthrough. Our progressive environment provides exposure to industry-leading technologies and nurtures close collaborations with leading research universities and institutions. Our collaborative atmosphere, commitment to developing talent, and extremely competitive benefits ensure that we attract the sharpest minds in their respective fields. NEC Laboratories America is headquartered in Princeton, New Jersey and has a second location in Cupertino, California, where the Data Management group is located.

EOE/AA

Professional Opportunities

NEC Laboratories America, Inc.

Researchers - Distributed Systems and Networks

NEC Laboratories America, Inc. is a vibrant industrial research center, conducting research in support of NEC's U.S. and global businesses. Our eclectic research program covers many areas, reflecting the breadth of NEC business, and maintains a balanced mix of fundamental and applied research.

The Autonomic Management group performs research on all aspects of large-scale complex systems. We have ongoing projects in cloud and data center networking, middleware for large system integration, distributed system debugging, software-defined networking, computer security, and big data analytics. Our group brings together experts in operating systems, networking, distributed systems, security, modeling, statistics, and data mining. We strongly believe in both publishing our research as well as building technologies that solve real world problems and ultimately help business needs. Many of our research results have been transferred into award-winning NEC products.

Currently, the group is looking for multiple researchers in the areas of networking, distributed systems, operating systems, and security. The ideal candidate must have expertise in the design, implementation, and deployment of large scale systems, networks and security platforms. He/she must hold a PhD in Computer Science or Engineering and have a strong publication record in at least one of the following areas:

- Data center and cloud computing
- Software-defined networking
- Network management
- System and network security
- Big Data security
- Malware and vulnerability analysis
- Distributed systems and middleware
- Software systems debugging

NEC Laboratories America is located in Princeton, NJ, one of New Jersey's most beautiful and idyllic towns. The area offers many exciting cultural, entertainment and outdoor activities. The office is minutes away from Princeton University and an hour from New York, Philadelphia, and the Atlantic Ocean.

For more information about NEC labs, access <http://www.nec-labs.com/>, and submit your CV and research statement through our career center at https://www.appone.com/MainInfoReq.asp?R_ID=770498&B_ID=83&fid=1&Adid=&ssbgcolor=FFFFFF&SearchScreenID=1381&CountryID=3&LanguageID=2.

EOE

New York University

Courant Institute of Mathematical Sciences

Faculty

The Courant Institute of Mathematical Sciences at New York University invites applications for tenured or tenure-track faculty in the Department of Computer Science and in the Department of

Mathematics. Two appointments at the Assistant Professor level will be considered for positions beginning in September 2014. We will also consider outstanding candidates at the senior level.

Candidates will be affiliated with the newly formed Center for Data Science, a multidisciplinary initiative hosted at the Courant Institute which brings together faculty, scientists, and students engaged in research on the automatic extraction of knowledge from data.



Two Tenure/Tenure Track Faculty Positions: (1) Cyber Security, (2) Big Data/Data Analytics

Cyber Security Applications are invited for a senior position in the area of cyber security. The candidate should be an active researcher and educator. Applicants must have an earned PhD in a relevant discipline, significant experience as a faculty member or researcher and a strong and current track record of funded research projects and high quality publications. Prior work experience or research collaborations with government and industry are a plus. Active involvement in national and international academic and professional societies is highly desirable.

Applicants should have a proven commitment to undergraduate and graduate education. They should be able to teach in the Cyber Security and Privacy MS program and supervise PhD students. The successful candidate will contribute to and enhance existing programs in the college that relate to all aspects of computer security.

The successful candidate will hold a faculty appointment in the Computer Science Department and will also be expected to take on an active leadership role in the Cyber Security Center at the College of Computing Sciences, currently being organized. **Posting Number: 0601839**

Big Data/Data Analytics Appropriate areas of expertise include, but are not limited to: pattern recognition, machine learning, natural language processing, social media, and high-performance computing for integration, analysis, visualization, and stream processing of very large amounts of structured, semi-structured, or unstructured data from disparate sources and potentially of heterogeneous formats. Relevance to energy systems is preferred. However, big data analytics in social media and healthcare will also be considered.

Depending on the specific research expertise, the candidate will hold a faculty appointment in either the Computer Science or the Information Systems Department. Candidates must possess a strong record of recent sponsored research as well as a strong enthusiasm and ability to teach. Candidates must possess an earned doctorate in the relevant discipline, a demonstrated potential for original research, and a record of quality teaching that merits appointment at the appropriate rank.

Candidates must also be qualified to teach introductory courses in Computer Science and advanced courses in their areas of expertise. Applicants should have an excellent academic record, exceptional potential for world-class research, and a commitment to both undergraduate and graduate education. The successful candidate will contribute to and enhance existing research and educational programs that relate to big data analytics. Prior work experiences or research collaborations with government and/or industry is a strong plus. **Posting Number: 0601813**

To Apply 1. Browse the NJIT Human Resources web site: <https://njit.jobs> and enter the Posting Number above in the Search field. 2. Create your application, and post your cover letter and CV on that site. 3. Qualified candidates will be asked at a later date to have at least three reference letters sent by email directly to the search committee chair.

NJIT is an Equal Opportunity Employer.

NEW JERSEY INSTITUTE OF TECHNOLOGY
UNIVERSITY HEIGHTS, NEWARK, NJ 07102-1982

THE EDGE IN KNOWLEDGE

Professional Opportunities

The CDS started offering graduate degrees in Data Science in September 2013.

We seek to fill one position with a primary affiliation in Computer Science in the area of machine learning, computational statistics, and AI.

We seek to fill another position with a primary affiliation in Mathematics in areas of the mathematical sciences connected with data science, particularly statistics.

We will also consider applications for joint positions between the Courant Institute and NYU departments engaged in research on data science, including but not limited to biology, business, economics, medical informatics, neuroscience, physics, and the social sciences.

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 Computer Science 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.

The Mathematics Department has 50 regular faculty members and occupies a leading position in analysis and applied mathematics. A special feature of the department is its highly interdisciplinary character. The department's current research interests include partial differential equations, differential geometry, dynamical systems, probability and stochastic processes, statistics, scientific computation, mathematical physics, and fluid dynamics.

Collaborative research with industry is facilitated by geographic proximity to numerous industry R&D centers including AT&T Labs, Bell Labs, Exxon, Facebook, Google, IBM, Microsoft, NEC, Siemens, SRI, Yahoo, the financial and pharmaceutical industries, and a large number of startup companies.

Candidates for the Computer Science positions should apply at <https://cs.nyu.edu/webapps/facapp/register>.

Candidates for the Mathematics positions should apply at <http://www.mathjobs.org>.

To guarantee full consideration, applications should be submitted no later than January 15, 2014; however, this is not a hard deadline, as all

candidates will be considered to the full extent feasible, until all positions are filled. New York University is an equal opportunity/affirmative action employer.

New York University

Courant Institute of Mathematical Sciences - Arts and Science

Clinical Assistant/Associate Professor Position in Computer Science

The Computer Science Department at New York University has an opening for a Clinical Assistant or Associate Professor position to start September 1, 2014, subject to budgetary and administrative approval. This is a full-time non-tenured, non-tenure-track three-year contract faculty position which is potentially renewable. The main duty is to teach three courses during each of the fall and spring semesters in the department's undergraduate program and additionally to participate in curricular development, program administration, and other educational activities. Applicants should have an M.S. or Ph.D. in Computer Science or a related field.

To apply, please arrange for a CV and for three letters of recommendation to be sent by email to jobs@cs.nyu.edu. To guarantee full consideration, complete applications should be received by March 15, 2014. However, all candidates will be considered to the extent feasible until the position is filled.

NYU is an Equal Opportunity/Affirmative Action Employer.

NYU SHANGHAI

Data Science Methodology

Faculty Positions

NYU Shanghai is currently inviting applications for one position at all levels (assistant, associate, and full professor) from outstanding candidates having demonstrated abilities in both research and teaching. We are interested in candidates with a Ph.D. in Computer Science, Electrical Engineering, or Statistics (or related field) whose research interests are in data science methodology. The candidate should not only have experience in working with large data sets (e.g., business, urban, social networks, medical, image, natural language, genomic, and so on), but also have a track record in advancing fundamental data science methodology (e.g., machine learning, deep learning, artificial intelligence). When discussing their teaching experience, candidates should identify courses they could teach both within and outside their specialty.

Candidates must have completed a Ph.D. or equivalent by the time of appointment. The search will remain open until the position is filled, but review of applications will begin January 31, 2014. The appointment could begin as soon as September 1, 2014, pending administrative and budgetary approval, or could be delayed until September 1, 2015.

NYU Shanghai is the first Sino-US higher education joint venture to grant a degree that is accredited in the US as well as in China. A research university with liberal arts and sciences at its core, it resides in one of the world's great cities, which is also a vibrant intellectual community (<http://shanghai.nyu.edu/>). NYU Shanghai will recruit scholars who are committed to our global vision of transformative teaching and innovative research.

New York University has established itself as a Global Network University, with three degree-granting campuses – New York, Shanghai, and Abu Dhabi – complemented by 12 additional academic centers across five continents. Faculty and students circulate within the network in pursuit of common research interests and cross-cultural, interdisciplinary endeavors, both local and global.

The terms of employment in NYU Shanghai are comparable to U.S. institutions. Faculty may also spend time at NYU New York and other sites of the global network, engaging in both research and teaching opportunities.

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

NYU Shanghai is an Equal Opportunity/Affirmative Action Employer.

Northwestern University

Department of Electrical Engineering and Computer Science

Multiple Openings in Theoretical Computer Science - Start Date: Fall 2014

The Department of Electrical Engineering and Computer Science at Northwestern University invites applications from exceptionally qualified candidates for multiple faculty positions in theoretical computer science to start fall 2014. The positions are open for all professorial ranks and all areas of theoretical computer science.

Professional Opportunities

The successful candidates will be expected to carry out world class research, collaborate with other faculty, and teach effectively at the undergraduate and graduate levels. Compensation and start-up package are negotiable and will be competitive.

Northwestern EECS consists of over 50 faculty members of international prominence whose interests span a wide range. Northwestern University is located in Evanston, Illinois on the shores of Lake Michigan just north of Chicago. Further information about the Department and the University is available at <http://www.eecs.northwestern.edu> and <http://www.northwestern.edu>.

To ensure full consideration, applications should be received by December 1, 2013. Applications will be accepted until the positions are filled.

To apply, please visit <http://eecs.northwestern.edu/academic-openings.html> for full instructions on uploading. Applicants are asked to submit (1) a cover letter indicating the rank applied for, (2) the names of between five and eight references for the rank of Full or Associate Professor or at least three references for the rank of Assistant Professor, and (3) a curriculum vitae. The search committee will request letters from the references and may request (4) statements of research and teaching interests and (5) three representative publications. For assistance with application materials or general questions, contact tcs.facultysearch.2013@eecs.northwestern.edu.

Northwestern University is an equal opportunity, affirmative action employer. Qualified women and minorities are encouraged to apply. It is the policy of Northwestern University not to discriminate against any individual on the basis of race, color, religion, national origin, gender, sexual orientation, marital status, age, disability, citizenship, veteran status, or other protected group status. Hiring is contingent upon eligibility to work in the United States.

North Carolina State University

Department of Computer Science

Tenure-Track Faculty Position

The Department of Computer Science at North Carolina State University (NCSU) seeks to fill a tenure-track faculty position in the area of Software Engineering starting August, 16, 2014. Areas of special interest include software requirements, software testing, and software engineering aspects of emerging topics such as social-computing, security, privacy, clouds, and service-orientation. A successful 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 NCSU's College of Engineering. The department's research expenditures and recognition have been growing steadily. For example, we have one of the largest concentrations in the country of prestigious NSF Early Career Award winners (total of 23).

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 should submit the following materials online at <http://jobs.ncsu.edu> (reference position number 00001092) 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: facultyhire@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.

Northwestern University

Database Systems - Department of Electrical Engineering and Computer Science

Tenure-Track Assistant Professor

The Department of Electrical Engineering and Computer Science at Northwestern University invites applications for a tenure-track assistant professor position in database systems to start Fall 2014. We are interested in exceptional candidates in all areas of database systems.

A Ph.D. in Computer Science or Computer Engineering is required, as is a clear track record of success in the area. Successful candidate will

be expected to carry out world class research, collaborate with other faculty, and teach effectively at the undergraduate and graduate levels. Compensation and start-up package are negotiable and will be competitive. This is one of four open positions which the EECS department is planning to fill this year in areas ranging from Theoretical Computer Science to Computer Engineering.

Northwestern EECS consists of over 50 faculty members of international prominence whose interests span a wide range. Northwestern University is located in Evanston, Illinois on the shores of Lake Michigan just north of Chicago. Further information about the Department and the University is available at <http://www.eecs.northwestern.edu> and <http://www.northwestern.edu/>.

To ensure full consideration, applications should be received by December 15, 2013. Applications will be accepted until the position is filled. To apply, first read full upload instructions for this position at <http://eecs.northwestern.edu/academic-openings-in-eecs-2>. Applicants will submit (1) a cover letter indicating rank applied for, (2) a curriculum vitae, (3) at least three, but no more than five references, (4) statements of research and teaching interests, and (5) two representative publications. For general questions about the search or application assistance post submission, contact db-search@eecs.northwestern.edu.

Northwestern University is an equal opportunity, affirmative action employer. Qualified women and minorities are encouraged to apply. It is the policy of Northwestern University not to discriminate against any individual on the basis of race, color, religion, national origin, gender, sexual orientation, marital status, age, disability, citizenship, veteran status, or other protected group status. Hiring is contingent upon eligibility to work in the United States.

Oakland University

Department of Electrical and Computer Engineering

Assistant Professor of Engineering - Computer Engineering - Tenure Track

The Department of Electrical and Computer Engineering at Oakland University (OU) invites applicants for an Assistant Professor tenure-track faculty position in Computer Engineering starting in Fall 2014. Applicants must have an earned Ph.D. degree or nearing completion of their doctoral studies in Electrical and/or Computer Engineering or related fields. Research and teaching with commitment to excellence is required. Preference will be given to applicants with expertise in digital design, computer architecture, and distributed computing. Experience with collaboration research in computer engineering and bioengineering applications is preferred but

Professional Opportunities

not necessary. The successful candidates will be expected to teach and develop undergraduate and graduate courses and laboratories, initiate and integrate strong research programs, direct graduate students, and attract external research funding.

OU is a Ph.D. offering public institution located in southeastern Michigan at the intellectual center of the Automotive Industry, adjacent to the Oakland Technology Park, and within the Oakland County Automation Alley. OU offers an exemplary fringe benefit package. The ECE Department has 17 tenure track faculty members and offers BSE, MS, and Ph.D. programs.

Interested applicants should submit a cover letter with a detailed curriculum vita, and the name, address, telephone number and email address of three references using our online application system at <http://academicjobs.oakland.edu/postings/921>. If you have any questions, please contact Professor Darrin M. Hanna at dmhanna@oakland.edu. For full consideration applications should be submitted by February 15, 2014. Review will continue until the position is filled.

Oakland University is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minorities.

Oakland University

Department of Electrical and Computer Engineering

Visiting Assistant Professor of Engineering (Computer Engineering)

The Department of Electrical and Computer Engineering at Oakland University (OU) invites applicants for a visiting faculty position in Computer Engineering starting in January, 2014. Applicants must have an earned Ph.D. degree in Electrical and/or Computer Engineering or related fields. Teaching with commitment to excellence and a strong interest in research is required. Preference will be given to applicants with expertise in digital design, microprocessors, computer architecture, and distributed computing. The successful candidates will be expected to teach courses and conduct research. The appointment is for the winter and summer 2014 terms with potential for renewal.

OU is a Ph.D. offering public institution located in southeastern Michigan at the intellectual center of the Automotive Industry, adjacent to the Oakland Technology Park, and within the Oakland County Automation Alley. OU offers an exemplary fringe benefit package. The ECE Department has 17 tenure track faculty members and offers BSE, MS, and Ph.D. programs.

Interested applicants should submit a cover letter with a detailed curriculum vita, and the name, address, telephone number and email address of three references using our online application system at <https://academicjobs.oakland.edu/postings/880>. If you have any questions, please contact Professor Osamah Rawashdeh at rawashd2@oakland.edu. For full consideration applications should be submitted by November 20, 2013. Review will continue until the position is filled.

Oakland University is an Equal Opportunity Employer and encourages applications from women and minorities.

The Pennsylvania State University

The College of Information Sciences and Technology

Assistant or Associate Professor

Enterprise Architecture, Biomedical/Health Informatics, Computational Informatics, Security & Risk Analysis.

The College of Information Sciences and Technology at The Pennsylvania State University is a College that emphasizes a) systems-level thinking to approach global, societal problems, b) multiple methodologies in the pursuit of interdisciplinary research and design, and c) active, collaborative learning to support transformative teaching. To learn more about our vision, mission, goals, structure, faculty and students, please go to <http://ist.psu.edu>. We are searching to fill multiple positions at the Assistant or Associate Professor level in our ranks of tenure-track faculty members, who will assist our college in attaining its goals in education, research and service to the community. The College has strengths in six key areas including: 1) Computational Informatics and Science; 2) Organizational Informatics; 3) Social Policy, Economics and Informatics; 4) Human-Computer Interaction; 5) Cognition and Networked Intelligent Systems and 6) Security, Privacy and Informatics.

We seek applicants who show clear evidence that they will become or are leading scholars and premier teachers in their fields and are interested in being part of a vibrant, civil and diverse academic community. Although we welcome applications from a broad variety of areas that match the research interests in the college, we are particularly interested in applicants who would like to pursue research and teaching in the following areas: 1) Enterprise Architecture; 2) Biomedical/Health Informatics; 3) Computational Informatics; 4) Security & Risk Analysis. We are interested in applicants who approach these areas from either a social, cognitive, or computational perspective or a combination of these perspectives.

Qualified candidates are invited to submit their curriculum vitae, summary of research and teaching plans, as well as the contact information of four persons who will write letters of recommendations at <http://apptrkr.com/407141>. For questions, please contact Dr. Prasenjit Mitra, Faculty Search Committee Chair, 313F IST Building, College of Information Sciences and Technology, The Pennsylvania State University, University Park, PA 16802-6823 or via email to facsearch@ist.psu.edu. Review of applications will begin on October 15, 2013, and continue until the positions are filled. Employment will require successful completion of background check(s) in accordance with University policies.

Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce.

Polytechnic Institute of NYU

Computer Science and Engineering Department

Several Tenured/Tenure-Track Faculty Members

New York University, one of the largest and most highly regarded private universities, is seeking to add several tenured/tenure-track faculty members to its Computer Science and Engineering (CSE) Department as part of a major multi-year growth phase. The faculty and students of the School are at the forefront of the high-tech start-up culture in New York City and have access to world-class research centers in cyber security (crissp.poly.edu) and wireless communications (nyuwireless.com), among other areas. We enjoy close collaborations with the Courant Institute, the NYU Media and Games Network (MAGNET), the Center for Urban Science and Progress, the NYU School of Medicine, and other Schools of NYU. The CSE Department invites outstanding applications for tenure-track or tenured faculty appointments in all areas of computer science and engineering, with particular emphasis on **cyber security**. Candidates with a strong record of research and funding and with interest in building and deploying real systems are preferred. Candidates must have a PhD degree in computer science or a related discipline and must have the ability to develop and lead high-quality research and attract external funding.

Applicants should include a cover letter, current resume, research and teaching statements, and names of at least three references.

All application materials should be submitted electronically via the website: poly.edu/cse-positions

Applications received by January 17, 2014 will receive full consideration. NYU is an affirmative action, equal opportunity employer.

Professional Opportunities

Princeton University

Computer Science Department

Assistant Professor

The Department of Computer Science at Princeton University invites applications for faculty positions at the Assistant Professor level. We are accepting applications in all areas of Computer Science. Applicants must demonstrate superior research and scholarship potential as well as teaching ability.

A PhD in Computer Science or a related area is required. Candidates should expect to receive their PhD before Fall, 2014. Successful candidates are expected to pursue an active research program and to contribute significantly to the teaching programs of the department. Applicants should include a CV and contact information for at least three people who can comment on the applicant's professional qualifications.

Princeton University is an equal opportunity employer and complies with applicable EEO and affirmative action regulations.

You may apply online at: <http://jobs.cs.princeton.edu/>.

Princeton University

Computer Science

Part-Time or Full-Time Lecturer

The Department of Computer Science seeks applications from outstanding teachers to assist the faculty in teaching our introductory course sequence or some of our upper-level courses.

Depending on the qualifications and interests of the applicant, job responsibilities will include such activities as teaching recitation sections and supervising graduate-student teaching assistants; grading problem sets and programming assignments; supervising students in the grading of problem sets and programming assignments; developing and maintaining online curricular material, classroom demonstrations, and laboratory exercises; and supervising undergraduate research projects. An advanced degree in computer science, or related field, is required (PhD preferred).

The position is renewable for 1-year terms, up to six years, depending upon departmental need and satisfactory performance.

To apply, please submit a cover letter, CV, and contact information for three references to <http://www.cs.princeton.edu/jobs/lecturerposition>.

Princeton University is an equal opportunity employer and complies with applicable EEO and affirmative action regulations.

Princeton University

Computer Science Department

Postdoctoral Research Associate

The Department of Computer Science at Princeton University is seeking applications for postdoctoral or more senior research positions in theoretical computer science. Positions are for one year with the possibility of renewal.

Candidates should have a PhD in Computer Science or a related field by August 2014. To ensure full consideration, we encourage candidates to complete their applications, (including letters of recommendation) by December 10, 2013. Applicants should submit a CV and research statement, and contact information for three references. Princeton University is an equal opportunity employer and complies with applicable EEO and affirmative action regulations.

Apply to: <http://jobs.princeton.edu/> Req.# 1300791

Purdue University

Computer Information Technology

Multiple Tenure/Tenure-Track Faculty Openings

The CIT Department resides in the College of Technology and offers an ABET-accredited undergraduate and Masters' program in Information Technology and a college-wide Ph.D. program. The department has 28 full time faculty in its West Lafayette campus with research preeminence in information security, homeland security, and cyberforensics; scientific, high-performance and distributed computing; applied artificial intelligence, and natural language processing. Additional information about the department can be found at <http://www.tech.purdue.edu/CIT/>. The department is part of an important college-wide initiative engaged in defining learning and teaching for the 21st Century. <http://www.tech.purdue.edu/purdue-polytechnic-institute>.

Outstanding candidates for the Assistant or Associate Professor level, for all areas of Computer Science and Information Technology, are invited to apply. All areas of specialization will be considered, but we have a special interest in software engineering, computer security, distributed computing and scientific and business data intelligence. Candidates must have a Ph.D. degree in computer science, information technology, or a related area with outstanding academic credentials. Duties of the position include teaching undergraduate and graduate courses, developing a successful research program, advising graduate students, and engagement with industry, the community, and colleagues within the computing discipline. Candidates must clearly demonstrate the

ability to conduct successful research, teaching and engagement.

Applications should include a cover letter, complete resume, research and teaching statements and the names and addresses of three references. Applications and optionally copies of key publications should be submitted to <http://purdue.taleo.net/careersection/wfac/joblist.ftl>. Screening of applications will begin November 1, 2013 and will continue until the position is filled. A background check is required for employment in this position.

Purdue University is an equal opportunity/equal access/affirmative action employer fully committed to achieving a diverse workforce.

Purdue University

Faculty Openings in "Big Data"

Purdue University has identified "Big Data" as a major thrust for inter-disciplinary research and education. Several faculty positions are available in enabling technologies as well as in domain sciences that deal with the use and management of digital data. The new hires will join a strong faculty group engaged in this thrust area and will have a unique opportunity to help shape Purdue's vision and research/education agenda in "Big Data."

Candidates for tenure and tenure-track positions at the Assistant/Associate professor level will be considered. Strong interest in inter-disciplinary activities is required. Outstanding candidates with an interest in all data-related areas of computer science and engineering, physics, civil engineering and library science will be considered. Examples of specific fields of interest are data infrastructure (storage and networking), system software infrastructure (OS, programming models), scalable analytics (data mining and machine learning at scale), analytics presentation (information visualization) and data-enabled methods (data curation and preservation) and applications in domain sciences. A detailed description of open positions is available at <http://www.cs.purdue.edu/hiring/bigdata>.

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

Salary and benefits are highly competitive. Submit applications online at <http://www.cs.purdue.edu/hiring/bigdata>. The application should include a

Professional Opportunities

cover letter, a complete and detailed vitae, and statements of research and teaching interests. Also, please include names, addresses, telephone numbers, and email addresses for three or more references. For questions regarding the application process, please contact Nicole Piegza (piegza@purdue.edu). Applications for positions to begin in Fall 2014 are now being considered; the review will continue until the positions are filled. A background check will be required for employment in these positions. Hard copy applications can be sent to: Faculty Search Chair, Big Data Search Committee, 305 N. University Street, Purdue University, West Lafayette, IN 47907.

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
Faculty Opening in Computer Engineering*

As part of the Engineering Strategic Growth initiative, Purdue University is seeking to fill a faculty position in computer engineering within the School of Electrical and Computer Engineering. The Computer Engineering area of the school (<https://engineering.purdue.edu/ECE/Research/Areas/CompEng>) has twenty faculty members with active research programs in areas such as AI, architecture, compilers, computer vision, distributed systems, embedded systems, graphics, haptics, HCI, machine learning, multimedia systems, networking, networking applications, NLP, OS, robotics, software engineering, and visualization. The new hire will join a strong group of computer engineering faculty and will help shape Purdue's vision and research/education agenda.

Candidates for tenure-track position at the Assistant Professor level will be considered. Outstanding candidates in all areas of computer science and engineering including, but not limited to, cloud computing, distributed systems, embedded systems, intelligent systems, mobile computing, and security will be considered.

Eligible candidates are required to have a PhD degree in computer science, computer engineering, or a closely-related discipline, have demonstrated potential for excellence in research, and be committed to excellence in teaching.

The successful candidate will have a distinguished academic record, will develop a strong, independent research program, be expected to teach undergraduate and/or graduate courses, and advise students.

Salary and benefits are highly competitive. Submit applications online at <https://engineering.purdue.edu/Engr/AboutUs/Employment/Applications>. The application should include a cover letter, a complete and detailed vitae, and statements of research and teaching interests. Also, include names, addresses, telephone numbers, and email addresses for three or more references.

Review of applications will begin on December 1, 2013, and will continue until filled. Inquiries may be sent to ece-cearea-search@ecn.purdue.edu. Applications will be considered as they are received, but, for full consideration, should arrive by January 15, 2014.

A background check will be required for employment in this position. Purdue University is an Equal Opportunity/Equal Access/Affirmative Action employer fully committed to achieving a diverse workforce.

Qatar University

*Department of Computer Science
Postdoctoral Researcher*

Qatar University and Northwestern University are seeking a postdoc who wants to help design and evaluate next generation privacy and security technologies for smart phones. We're seeking expertise in operating systems, Android, privacy, and security.

<http://www.vsecurity.info/postdoc>

Queens College/City University of New York

*Computer Science
Tenure-Track Assistant Professor*

The Department of Computer Science at Queens College of CUNY is accepting applications for a

tenure-track position in high performance computing at the Assistant Professor level starting Fall 2014.

Consult <http://www.cs.qc.cuny.edu> for further information.

Saarland University

Department of Computer Science and Center for IT-Security, Privacy, and Accountability (CISPA)

Postdoc positions in IT-Security, Privacy, and Cryptography

The Information Security and Cryptography (IS&C) group at the Computer Science Department of Saarland University is currently offering several postdoc positions. The IS&C group is part of the Center for IT-Security, Privacy and Accountability (CISPA).

The IS&C group conducts research in various aspects of IT-security, privacy, and cryptography. Topics of particular interest include, but are not limited to:

- design and formal verification of security protocols, programs, and architectures,
- privacy enhancing technologies in a broad sense, e.g., privacy in data acquisition, processing, and publishing,
- network and operating systems security,
- web security,
- reliability, accountability and trust,
- cryptography,
- as well cross-cutting disciplines such as usability and social aspects in this research field.

Positions are being offered for two years, with the possibility of renewal for another year. Postdoc applicants are required to hold a doctoral degree in computer science or a closely related area, or have it completed at the time of taking up the position. We expect successful applicants to have a strong background in one or more of the aforementioned research topics, and to maintain an outstanding academic track record. The working and teaching language is English.



Chester F. Carlson Center for Imaging Science

Applications are invited from individuals who can contribute to our growing research and education programs in computer vision, machine vision and computational photography. The preferred rank is at the Assistant Professor level, although other ranks will be considered for exceptional individuals. Further details are posted online at <http://apptrkr.com/406733>. Review of applications will begin on 1 Dec. 2013 and continue until the position is filled. The Rochester Institute of Technology is an equal opportunity/affirmative action employer and promotes and values diversity, pluralism and inclusion in the workplace.

Professional Opportunities

Applications should contain a CV, copies of transcripts, certificates, as well as a research statement and two references. Applications will be accepted for evaluation until the positions have been filled. Please send your application to Michael Backes via e-mail.

Contact: Prof. Dr. Michael Backes

E-Mail: application-backes@infsec.cs.uni-saarland.de

About the location:

Saarland University is the home of one of the highest-ranked CS departments in Germany. In the department's immediate proximity are the Max Planck Institute for Informatics (MPI-INF), the Max Planck Institute for Software Systems (MPI-SWS), the German Center for Artificial Intelligence (DFKI), the Excellence Cluster for Multimodal Computing and Interaction (MMCI), as well as the Intel Visual Computing Institute (IVCI). The close interactions and collaborations between these institutes, and their joint interest in IT-security research, enables CISPA to address research problems in IT-security in a comprehensive manner.

Sandia National Laboratories, Albuquerque, NM

2014 John von Neumann Postdoctoral Research Fellowship in Computational Science

Sandia National Laboratories' Computing Research Center (Albuquerque, NM) and the Computer Sciences and Information Systems Center (Livermore, CA) invite outstanding candidates to apply for the **2014 John von Neumann Post-Doctoral Research Fellowship in Computational Science**. This position will reside in Albuquerque, NM.

The John von Neumann appointment is a prestigious postdoctoral fellowship and is supported by the Applied Mathematics Research Program in the U.S. Department of Energy's Office of Advanced Scientific Computing Research. For more details about the John von Neumann Fellowship, visit our website at www.cs.sandia.gov/VN_Web_Page.

Requirements

- Ph.D. required in applied/computational mathematics or related computational science and engineering disciplines.
- Applicants must have less than three years of postdoctoral experience.
- Strong research publication record.
- Excellent communication and personal interaction skills.



Assistant Professor Tenure Track

Department: English
PC# 8735 - Requisition# 797BR
Anticipated Start Date: August 13, 2014

BRIEF JOB DESCRIPTION:

The Department of English at the Rochester Institute of Technology invites applications for an Assistant Professor of English tenure-track position to begin August 13, 2014 with specialization in computational linguistics and/or innovative technical methods in language science, with a focus on one or more areas of application. Possible areas include:

- Cultural or social analytics
- Speech technology
- Human-computer communication
- Clinical, assistive, and/or access technology
- Cognitive modeling of linguistic processes (for example reading)
- Games and/or social media

The applicant should demonstrate a fit with our commitment to collaborate with colleagues across the university on curricular and research initiatives in digital humanities and language science.

DETAILED JOB DESCRIPTION:

The successful applicant will be a teacher and a researcher with an agenda that emphasizes innovative technical methods in linguistics, for instance natural language processing, corpus-based studies, linguistic/multimodal sensors, speech technology, and/or other computational approaches. We are seeking a scholar who engages in disciplinary and interdisciplinary teamwork and has a coherent plan for grant seeking activities. The right candidate will contribute to our department's profile in the digital humanities, in addition to furthering our interdisciplinary language science curriculum in a college of liberal arts at a technical university. Contributions that build students' global education experiences are additionally valued.

Teaching assignments may include Introduction to Language Science, Language Technology, Introduction to Natural Language Processing, Advanced Topics in Computational Linguistics, Language & Brain, self-designed courses, and other courses in the linguistics or general education frameworks such as Dialects & Identity, Text & Code, or Evolving English Language. The course teaching load is 3/2.

We are seeking an individual who has the ability and interest in contributing to a community committed to Student Centeredness; Professional Development and Scholarship; Integrity and Ethics; Respect, Diversity and Pluralism; Innovation and Flexibility; and Teamwork and Collaboration. Select to view links to RIT's core values, honor code, and diversity commitment.

THE UNIVERSITY AND ROCHESTER COMMUNITY:

RIT is a national leader in professional and career-oriented education. Talented, ambitious, and creative students of all cultures and backgrounds from all 50 states and more than 100 countries have chosen to attend RIT. Founded in 1829, Rochester Institute of Technology is a privately endowed, coeducational university with nine colleges and institutes emphasizing career education and experiential learning. With approximately 15,000 undergraduates and 3,000 graduate students, RIT is one of the largest private universities in the nation. RIT offers a rich array of degree programs in engineering, science, business, and the arts, and is home to the National Technical Institute for the Deaf. RIT has been honored by The Chronicle of Higher Education as a "Great Colleges to Work For" for four years. RIT is responsive to the needs of dual career couples by our membership in the Upstate NY HERC.

Rochester, located on Lake Ontario, is the 79th largest city in the United States and the third largest city in New York State. The Greater Rochester region, which is home to nearly one million people, is rich in cultural and ethnic diversity, with a population comprised of approximately 16% African and Latin Americans and another 7% of international origin. It is also home to the largest deaf community per capita in the U.S. Rochester ranks 3rd best metropolitan regions for Raising a Family" by Forbes Magazine; 6th among 379 metropolitan areas as "Best Places to Live in America" by Places Rated Almanac; 1st in Expansion Management Magazine's ranking of metropolitan areas having the best "Quality of Life in the Nation"; and is among Essence Magazine's "Top 10 Cities for Black Families."

REQUIRED MINIMUM QUALIFICATIONS:

- Ph.D. in Linguistics (or an allied field) in hand prior to appointment date
- Advanced graduate coursework in language science and technical methods
- Evidence of outstanding teaching
- Experience teaching or mentoring diverse or multi-disciplinary students
- Evidence of publication and a coherent plan for research and grant seeking activities
- Ability to contribute in meaningful ways to the college's continuing commitment to cultural diversity, pluralism, and individual differences.

HOW TO APPLY:

Apply online at <http://apptrk.com/400069>. Search: 797BR. Please submit your cover letter; CV; copy of transcripts of graduate coursework; a research statement; a teaching statement; writing sample/portfolio; Contribution to diversity' statement; and the names, addresses and phone numbers for three references.

CONTACT:

Please direct questions to Dr. Cecilia Ovesdotter Alm at: coagla@rit.edu or (585) 475-7327

APPLICATION DEADLINE:

Review of applications will begin on: November 25, 2013

RIT does not discriminate. RIT promotes and values diversity, pluralism and inclusion in the work place. RIT provides equal opportunity to all qualified individuals and does not discriminate on the basis of race, color, creed, age, marital status, sex, gender, religion, sexual orientations, gender identity, gender expression, national origin, veteran status or disability in its hiring, admissions, educational programs and activities.

Professional Opportunities

To apply for the John von Neumann Fellowship, please complete the following:

- Submit a single PDF file containing your cover letter, CV, and research statement online at <http://www.sandia.gov/careers/search-openings.html>, and reference Job Opening ID Number: 644702
- Submit three letters of recommendation to Denis Ridzal at drizal@sandia.gov using "2014 VN Fellowship" as the subject line.

Complete applications received by December 20, 2013 will receive full consideration; this position will remain open until filled.

U.S. Citizenship Normally Required. Equal Opportunity Employer. M/F/D/V.

Shanghai Jiao Tong University

Department of Computer Science and Engineering
Tenure-Track Position

The Department of Computer Science and Engineering (CSE) at Shanghai Jiao Tong University (SJTU) is seeking to fill several tenure-track positions in computer science at the rank of Assistant Professor and above, starting January 2014 and September 2014.

Shanghai Jiao Tong University is one of the oldest and most prestigious universities in China, and CSE is premier in computer science research and education. Candidates for these positions are sought for the well-recognized computer science program (ACM class) at Zhiyuan College of SJTU which provides an outstanding undergraduate education to a select group of 30 research-oriented students. Over the last ten years, students from the ACM class have won five gold medals in the ACM International Collegiate Programming Contest.

Professor John Hopcroft, 1986 Turing Award recipient, is chairing the committee on curriculum development and faculty recruiting. Since December 2011, he has spent two months a year teaching at Zhiyuan College. In May 2012, he was appointed Special Counselor to President Jie Zhang.

An internationally competitive package for salary and benefits will be offered. Strong candidates in all areas will be considered with special consideration given to systems and networking, architecture, machine learning, theory, and security. In addition to the teaching duties at Zhiyuan College's ACM class, faculty members are required to teach graduate level courses, to supervise Ph.D. students, and to conduct research in the CSE. The overall teaching load is one course per semester.

SJTU makes a great effort to provide opportunities for the development of young faculty, including

a startup research grant. There are a number of sources for additional research funding. The positions are provided in strong cooperation with Microsoft Research Asia (MSRA) with opportunities for research collaborations. Candidates are encouraged to apply to the Thousand Talents Program for extra funding and benefit support. Our equal opportunity and affirmative action program seek minorities, women, and non-Chinese scientists.

The criteria for promotion will be professional reputation as judged by international experts in the candidate's field and excellence in teaching.

Applications, including vita and the names of three references, should be sent to Professor John Hopcroft (jeh@cs.cornell.edu) and to Bing Li (binglisjtu@sjtu.edu.cn).

The application deadline is January 31, 2014 for positions starting in September 2014. Applications for starting earlier will be reviewed immediately.

Stony Brook University

Computer Science Department
Multiple Positions in Computer Science

Stony Brook University's Department of Computer Science invites applicants for multiple tenure-track faculty positions for Fall 2014. Exceptionally qualified junior and senior candidates in all areas of Computer Science are invited to apply. Candidates in the following areas are particularly encouraged to apply: Computer Systems and Networking, Cybersecurity, Interactive Systems (e.g. HCI, Virtual Reality, Digital Media), Smart Environments (e.g. Machine Learning, Knowledge Representation, Embedded and Ubiquitous Computing), Computer Vision, Big Data (including Computational Social Science), Biomedical Informatics (e.g. Genomics and Health IT).

Applicants should hold a Ph.D. in Computer Science or a closely related discipline and must demonstrate superior research potential.

The Department has currently 47 faculty members and is expected to recruit additional members in the next several years. There are five main research areas in the Department: computer systems, visual computing, intelligent systems, concurrency/verification and algorithms. Detailed information on the research activities of the Department can be found on the Department home page: <http://www.cs.stonybrook.edu>. The Department is in a stage of significant expansion, including a new Computer Science building, a recent Center of Excellence in Wireless and Information Technology (CEWIT) building, a recent Center of Excellence in Advance Energy (AERTC), along with new graduate programs at SUNY Korea.

Home to many highly ranked graduate research programs, Stony Brook University is located 60 miles from New York City on Long Island's scenic North Shore. Stony Brook University is a member of the prestigious Association of American Universities (AAU) and co-manager of nearby Brookhaven National Laboratory (BNL), a Department of Energy multidisciplinary research laboratory.

Applicants should apply online at <https://hiring.cs.stonybrook.edu/index.pl> (**electronic submission is highly preferred**). Alternatively, Application materials may be submitted to:

Kathy Germana, Assistant to the Chairman, Computer Science Department, Stony Brook University, Stony Brook, NY 11794-4400.

Review of applications will begin immediately and will continue until the positions are filled. For a full position description or application procedures, visit <http://www.stonybrook.edu/jobs> (Ref# F-8282-13-11).

Stony Brook University

Department of Biomedical Informatics
Assistant Professor, Associate Professor or Professor

The Department of Biomedical Informatics is inviting applications for Assistant Professor, Associate Professor or Full Professor tenure-track faculty positions in any Biomedical Informatics area, including, but not limited to: Clinical Informatics, Translational Informatics, Imaging Informatics, Public Health Informatics, Pathology Informatics, Bioinformatics, Artificial Intelligence, Database Networking, and Computational Science.

It will be required that the chosen individual have a Ph.D. in Biomedical Informatics; or an M.D. degree with a fellowship or Master's in Biomedical Informatics; or a Ph.D. in Computer Science or Computer Engineering or a related field.

It is preferred that the candidate have postdoctoral experience. To be considered at the Associate Professor/Professor level, candidates should have active funded research programs in their area of expertise and have a strong record of interdisciplinary collaborative research with a demonstrated ability to contribute to and lead team science efforts. Research experience in translational informatics targeted at cancer research and in clinical informatics is desirable.

The successful candidates are expected to maintain competitive extramurally funded research programs and to teach at both graduate and undergraduate levels, and to serve the university, the department, and the professional community.

Professional Opportunities

To qualify for an appointment as Associate Professor or Professor, the candidate must meet the School of Medicine's criteria for Appointment, Promotion and Tenure located at <http://medicine.stonybrookmedicine.edu/facultysenate/committees/appointments> or the College of Engineering and Applied Sciences criteria located at <http://www.ceas.sunysb.edu/ppp/>. Qualified applicants are invited to submit a complete application including their curriculum vitae, statement of research, teaching philosophy, and names/addresses of three or more professional references to:

(Preferred) <https://bmi-hiring.cs.stonybrook.edu> or to:

Tahsin Kurc, Ph.D.
Chair of Search Committee
Vice Chair, Dept. of Biomedical Informatics
School of Medicine
100 Nicholls Rd.
Health Sciences Center, Level 4, Room 179
Stony Brook University
Stony Brook, NY 11794-8430
Tahsin.Kurc@StonyBrook.edu

To view application procedure, full position description or to apply online, visit www.stonybrook.edu/jobs.

(Ref. # F-8316-13-11).

Stony Brook University/SUNY is an equal opportunity, affirmative action employer.

Stony Brook University

Department of Computer Science
Assistant, Associate, Full Professor

Stony Brook University's Department of Electrical and Computer Engineering and Brookhaven National Laboratory (BNL) are seeking outstanding candidates for tenure track positions either jointly or solely at Stony Brook. We will consider strong candidates in smart energy technology areas such as geospatially-referenced electricity distribution modeling, sensing and managing electricity distribution/consumption and photovoltaic devices; power engineering and smart grid technology areas such as security and control of electric power systems; and next generation advanced power electronics (e.g. wide band-gap semiconductor devices). The successful candidates must have demonstrated excellence in research and the ability to develop an independent research program and have a strong interest in teaching at both the undergraduate and graduate levels. Applicants should have a PhD in electrical or computer engineering or a closely related discipline. Visit our websites for detailed information on our research activities (www.ece.stonybrook.edu and <http://www.bnl.gov/gars/SET/>). The Stony Brook ECE

department is associated with the NY State Sensor Center for Advanced Technology.

For a full position description and/or application procedures, visit www.stonybrook.edu/jobs (Reference # F-8253-13-10).

To apply submit in separate documents a cover letter, detailed resume, statements of research and teaching interests and up to three letters of reference to: <https://set-hiring.cs.stonybrook.edu/>.

Review of applications began on November 1, 2013 and will continue until the positions are filled.

AA/EOE

Apply Here: <http://www.Click2Apply.net/8vfqg8s>.

Stony Brook University

Genomics Faculty - Cluster Hire

As part of a new initiative in Genomics, Stony Brook University invites applications for six tenure-track faculty positions in the broad areas of genomics, sequencing, and informatics.

We are seeking candidates with interest and expertise in using high-throughput sequencing and other modern genomics tools to answer questions related to the ecology and the physiology of living organisms, as well as candidates interested in developing new methods and approaches to generate and analyze genomics data. Positions may be filled in coordinated sets; e.g., the simultaneous hire of faculty with expertise in experimental genomics/sequencing and faculty with expertise in informatics. In addition to colleagues and resources at Stony Brook and its medical school, cluster faculty will have access to the resources of the New York Genome Center (nygenome.org), of which Stony Brook University is a Founding Member. Successful candidates would be expected to develop an internationally recognized research program, supervise student research and teach courses related to their field. Academic appointments for cluster faculty will be based on their areas of research and will be in the School of Marine and Atmospheric Sciences, as well as in the departments of Ecology and Evolution, Molecular Genetics & Microbiology, Biomedical Engineering and Computer Science. Further description of each position is available at www.stonybrook.edu/clusterhires.

Required Qualifications: Doctoral degree in appropriate discipline; demonstrated outstanding research strength; a strong disciplinary background; interest in interdisciplinary research; and strong experimental and/or theoretical skills.

Preferred Qualifications: Strong publication record in discipline. Graduate and/or undergraduate teaching experience.

Special Notes: These are tenure track positions. FLSA Exempt position, not eligible for the overtime provisions of the FLSA. It is expected that the positions will be filled at the Assistant Professor level; however, exceptional candidates at higher ranks will also be considered. Application review will begin in January 2014 and will continue until all positions are filled.

For full descriptions of the positions and application instructions, visit www.stonybrook.edu/clusterhires.

To view application procedure, full position descriptions, or to apply online, visit www.stonybrook.edu/jobs (Ref. # F-8315-13-11).

Stony Brook University/SUNY is an equal opportunity, affirmative action employer.

Texas A&M University

Department of Computer Science and Engineering
Multiple Faculty Positions

The Department of Computer Science and Engineering of the Dwight Look College of Engineering at Texas A&M University invites applications for multiple faculty positions, including tenured or tenure-track positions, non-tenure track teaching-focused positions, and department head, starting fall 2014. Additionally, a number of multi-disciplinary centers and institutes are seeking faculty that may have interests aligned with computer science or computer 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. The department currently has 36 tenured and tenure-track faculty members and three full-time lecturers. The department 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 half the faculty receiving NSF CAREER/NYI/PYI awards. More information about the department is available at <http://www.cse.tamu.edu>.

Open Rank Position in Computer Science or Engineering. The department invites applications for an assistant, associate or full professor in the areas of (1) big data, including large-scale data management/analytics and information visualization, (2) natural language processing, and (3) software, including programming languages and software engineering. Exceptional candidates in other areas are also welcome to apply.



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.

TAMU-CC invites applications for

- (3) Assistant Professor, Computer Science, and
- (1) Associate Professor, Computer Science

tenure-track positions with expertise related to geospatial applications. Additional expertise in Computer Security or Cyber Defense is welcomed

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.

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.

Professional Opportunities

Senior Faculty Position in Computational Science:

In recognition of the increasing importance of computational sciences, the University has identified this area as a target for growth. As part of an expansion in this area, the Department of Computer Science and Engineering is recruiting for a full professor in computational science. This position will have freedom to define a research agenda both by making use of the considerable available startup and by leveraging the significant existing resources at the Institute for Applied Mathematics and Computational Science (<http://iamcs.tamu.edu>).

Teaching-focused Positions. The department invites applications for lecturers, senior lecturers, instructional professors, including assistant and associate ranks, and associate and full professors of engineering practice. These positions are primarily focused on teaching. Instructional professors have an expectation of scholarly activity in engineering education. Professors of engineering practice are typically individuals who have extensive experience in the workplace that they can bring to the classroom.

Application Process

Candidates for the above assistant, associate or full professor positions must have a Ph.D. in computer science, computer engineering, or related field and will be expected to teach, perform research, and supervise graduate students. Candidates for the lecturer or instructional professor track positions should also have a Ph.D. in computer science, computer engineering or a related field, while candidates for the professor of engineering practice track positions are expected to have at least a bachelors degree and extensive experience in the field. For questions about the positions, contact: search@cse.tamu.edu. Applications should include a curriculum vitae, statement of teaching and research interests, and at least three references and should be submitted online at <http://apply2.cse.tamu.edu/>.

Department Head. Nominations and applications are invited for the position of head of the Department of Computer Science and Engineering. 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. Nominations or applications should be sent to headsearch@cse.tamu.edu; applications should include a full curriculum vitae, a two-page statement

summarizing the candidate's vision and goals for the department and leadership philosophy, and the names and addresses of at least five references.

Additional Multi-Disciplinary Positions

The recently established **Center for Remote Health Care Technology (CRHCT)** invite applications for multidisciplinary tenured/tenure track faculty at the assistant, associate and full professor ranks in the area of remote health, including next-generation remote medical information systems and innovative engineering of remote medical devices. Applications should include a curriculum vitae and a list of three references and be submitted to centerfacultysearch@tamu.edu.

The interdisciplinary **Institute for Digital Humanities, Media, and Culture (IDHMC)** is inviting applications for an assistant, associate or full professor with an established record in digital humanities research and/or humanities, artistic, or information visualization. Potential research specializations include digital humanities within a humanities discipline; computational linguistics and corpus linguistics; data-mining and/or natural language processing; artistic, information, and scientific visualization; library, archival, and information science; media studies and communication; physical computing/tangible computing; and human-computer interaction. Applications should include a letter of interest, current curriculum vitae, and list of references and should be submitted to idhmc@tamu.edu.

Texas A&M University is an Affirmative Action/Equal Opportunity Employer. The university is dedicated to the goal of building a culturally diverse and pluralistic faculty and staff committed to teaching and working in a multicultural environment, and strongly encourages applications from women, minorities, individuals with disabilities, and covered veterans. Applications are welcome from dual career couples.

Texas A&M University-Texarkana

Dean of the College of Science, Technology, Engineering, Mathematics, and Nursing

Texas A&M University-Texarkana invites applications and nominations for the position of dean of the College of Science, Technology, Engineering, Mathematics, and Nursing, an appointment that is to be assumed on July 1, 2014. Texas A&M University-Texarkana is a proud member of The Texas A&M University System and is located on the border of Texas and Arkansas, midway between Dallas, Texas, and Little Rock, Arkansas. Additional information about the University is available at <http://www.tamut.edu/>. To learn more about the position, please visit: <http://www.academic-search.com/Current-Searches.aspx>.

Application Instructions

Application materials should consist of a curriculum vitae or resume, cover letter, and list of at least five references with contact information, none of whom will be contacted without the explicit permission of the candidate. Applications and nominations should be submitted electronically to TexarkanaDean@academic-search.com. To ensure consideration, please apply by 02/14/2014.

Texas A&M University-Texarkana is an EO/AA employer.

Tsinghua University, Beijing, China

Institute for Interdisciplinary Information Sciences (IIIS)

Tenure-Track Faculty Position

The Institute for Interdisciplinary Information Sciences (IIIS), headed by Turing Award winner Professor Andrew C. Yao, is a newly established academic unit at Tsinghua University, aimed at creating a world-class environment for research and education in computer science and related disciplines. IIIS currently has 21 full-time tenure-track faculty members, and is actively recruiting outstanding scholars to join IIIS in its exciting growth toward excellence.

We invite applications from highly-qualified candidates in areas including (but not limited to) Computer Systems, Algorithms and Complexity, Machine Learning, Multimedia, Databases, Computer Networks, Wireless Sensor Networks, Information Security, Web Technologies, Energy-Efficient Computing, Computational Finance, Quantum Information, Computational Biology.

Positions at Assistant/Associate/Full Professor levels are available. The remuneration package will be very attractive, driven by market competitiveness and individual qualifications. Initial appointments are normally made on a fixed-term contract. Subsequent contract renewal, promotion and tenure all follow standard international practices.

Further information about the Institute is available at <http://iiis.tsinghua.edu.cn/en> or from the postal address: IIIS Faculty Recruitment, FIT Building, Room 1-208, Tsinghua University, Beijing 100084, PR. China. Please send applications or nominations in the form of an application letter enclosing a current CV to iiisrecruit@mail.tsinghua.edu.cn, with the subject line "<candidate_name>: IIIS Computer Science Faculty Application."



Professional Opportunities

Tufts University

Department of Computer Science

Faculty Position in Systems or Computational/Systems Biology

The Department of Computer Science at Tufts University invites applications for a faculty appointment to begin in September 2014. We welcome applicants of all ranks with research that strengthen our departmental, within-school, and cross-school research programs in the areas of (a) Systems, and (b) Computational/Systems Biology.

For more information, please visit <http://www.cs.tufts.edu/>. Inquiries should be emailed to cssearch@cs.tufts.edu. Review of applications begins December 9, 2013.

Tufts University is an Affirmative Action/Equal Opportunity employer. We are committed to increasing the diversity of our faculty. Members of underrepresented groups are strongly encouraged to apply.

Union College

Department of Computer Science

Visiting Assistant Professor

Union College invites applications for a two-year faculty position in Computer Science, with a possible extension for a third year, at the rank of Visiting Assistant Professor, beginning September 2014, subject to final administrative approval. The Department offers a B.S. in computer science, supports a B.S. in computer engineering with the Electrical and Computer Engineering department, and a digital art program with the Visual Arts department. We participate in computational methods and digital media minors and the computational track of the neuroscience major. We offer introductory courses that engage students with a variety of interests. Current faculty research areas include robotics, HCI, NLP, databases, software testing, and software design.

The ideal candidate will be enthusiastic about undergraduate education and supervising undergraduate research. We are particularly interested in candidates who can teach in some of these areas: computer organization, graphics, programming languages, compilers, and high performance computing. The position involves teaching two courses in each of three trimesters. Preference will be given to applicants who have completed the Ph.D. in computer science or a related area; applicants close to finishing the Ph.D. will be considered.

Union College is a highly selective liberal arts and engineering college in New York State's Capital

Region, three hours from NYC and Boston. It emphasizes close collaborations between faculty and students and has a campus-wide initiative promoting interdisciplinary activities. Further information: <http://cs.union.edu>.

Interested candidates should electronically submit a cover letter, curriculum vita, statement of teaching philosophy, and statement of current research interests, to cs-jobs@union.edu. Please request that three recommendation letters also be sent to cs-jobs@union.edu. We will begin reviewing applications starting January 15, 2014 and will continue until the position is filled. Union College is an equal opportunity employer and strongly committed to student and workforce diversity.

University at Albany – SUNY

College of Computing and Information in the Informatics Department

Two Open Rank Tenure-Track Faculty Positions

The Informatics Department (www.albany.edu/informatics/) in the College of Computing and Information at the University at Albany – SUNY is seeking candidates for two open rank tenure-track faculty positions beginning fall 2014:

Director of its Interdisciplinary Ph.D. Program in Information Science. The successful candidate will have an established record of interdisciplinary scholarship with demonstrated potential to develop programs that cross over multiple units in a comprehensive research university. For a complete job description and application procedures, visit: <http://albany.interviewexchange.com/jobofferdetails.jsp?JOBID=44921>.

Questions regarding the position may be addressed to phdsearch2014@albany.edu.

Faculty position with a focus on role, use, influence, and consequences of information and information communication technologies in government and democratic society. The successful candidate will teach and develop courses that focus on government information policy, strategy, management, technology, use and users while emphasizing relevant analytical information science approaches such as system dynamics, network analysis, systems integration, and/or cyber-security. For a complete job description and application procedures, visit: <http://albany.interviewexchange.com/jobofferdetails.jsp?JOBID=44969>.

Questions regarding the position may be addressed to igdssearch2014@albany.edu.

Applicants must have a Ph.D. in Informatics or Information Science or a closely related discipline. For the faculty position, the Ph.D. may also be in in

Political Science, Public Administration, Management Information Systems, or a closely related discipline. Candidates applying at the level of associate or full professor positions must have a strong record of funded research.

The University at Albany is an EO/AA/IRCA/ADA Employer

University at Albany – SUNY

Computer Science/Informatics Departments

Faculty Positions

The Computer Science and Informatics Departments in the College of Computing and Information (www.albany.edu/cci/) at the University at Albany – SUNY are seeking candidates for One (1) open rank tenure-track faculty position and Three (3) tenure-track faculty positions at the Assistant Professor level beginning Fall 2014. We seek candidates with research expertise that includes, but is not limited to, large-scale data analytics or cyber-security, areas that the University has identified as priorities for development.

Applicants must have a Ph.D. in Computer Science or Information Science or a closely related discipline. Candidates applying at the level of Associate or Full Professor position must also have a strong record of funded research.

For a complete job description and application procedures, visit: <http://albany.interviewexchange.com/jobofferdetails.jsp?JOBID=44980>.

Questions regarding the position may be addressed to: omnibussearch2014@albany.edu.

The University at Albany is an EO/AA/IRCA/ADA Employer

University at Albany – SUNY

Informatics Department in the College of Computing and Information Lecturers (3) in Informatics

The Informatics Department in the College of Computing and Information (www.albany.edu/cci/) at the University at Albany – SUNY is seeking candidates for three (3) Lecturer positions beginning Fall 2014. Positions are three-year, renewable, 10 month appointments.

Successful applicants will work in both face-to-face teaching and online environments. They will teach in the program core as well as develop and teach courses in the following concentration areas: computer networking, cyber-security, data analytics, information technology, interactive user experience, social media, and software development.

Professional Opportunities

For a complete job description and application procedures, visit: <http://albany.interviewexchange.com/jobofferdetails.jsp?JOBID=44924>.

Questions regarding the positions may be addressed to: evergreen2013@albany.edu.

The University at Albany is an EO/AA/IRCA/ADA Employer

University of Birmingham

School Of Computer Science

Research Fellow – Mobile Sensing & Mobility Data Mining for Depression Behaviour Intervention

Starting salary is normally in the range £27,854 to £36,298. With potential progression once in post to £38,522 a year.

Post is available for 12 Months

A Postdoctoral Research Fellow position is available within the EPSRC-funded project “Trajectories of Depression: Investigating the Correlation between Human Mobility Patterns and Mental Health Problems by means of Smartphones” project.

The goal of this project is to investigate how mobile phones can be used to collect and analyse mobility patterns of individuals in order to understand how mental health problems affect their daily routines and behaviour and how potential changes can be automatically detected. In particular, mobility patterns and levels of activity can be quantitatively measured by means of mobile phones, exploiting the GPS receiver and the accelerometers embedded in the devices. The data can be extremely helpful to understand the behaviour of a depressed person, and in particular, to detect potential changes in his or her behaviour, which might be linked to a worsening depressive state. By monitoring this information in real-time, health officers and charity workers might intervene by means of digital behaviour intervention delivered through mobile phones or by means of traditional methods such as by inviting the person for a meeting or by calling him or her by phone.

In order to support these novel applications, it is necessary to build mathematical tools for analysing the mobility traces in real-time for the detection of gradual or sudden changes related to the emotional states of the individual. More specifically, we plan to devise analytical techniques for studying the relationships between human mobility patterns and emotional states. We plan to use existing datasets of human mobility and to collect data by means of a smartphone application distributed to people affected by depression.

This is an exciting opportunity for conducting groundbreaking interdisciplinary research at the interface of

ubiquitous computing, mobile sensing, large-scale data mining and machine learning.

To apply you should hold a PhD in Computer Science or related disciplines (or should be very close to completion of your PhD programme). Also, you should have demonstrated your research competence through high-quality and high-impact publications in top conferences and journals in one (or more) of the following areas: ubiquitous computing, mobile systems, large-scale data mining and/or machine learning.

Informal enquiries may be made to Dr Mirco Musolesi (<http://www.cs.bham.ac.uk/~musolesm/>) at the School of Computer Science.

Closing date: 15th January 2014

The interviews will take place late January.

Expected start date: February/March 2014 (or immediately thereafter).

Reference Number: 52165

To download the details of this position and submit an electronic application online please click on the Apply Online button below, please quote Job Ref in all enquiries.

To apply please visit: www.hr.bham.ac.uk/jobs.

Promoting Equality, Celebrating Diversity

University of British Columbia

Department of Computer Science

Canada Research Chair in Machine Learning

The Computer Science Department at the University of British Columbia, Vancouver is seeking candidates for a Tier II Canada Research Chair (CRC) in the area of Machine Learning, with an expected start date of July 1, 2014.

The CRC Tier II is at the level of a tenure-track Assistant or tenured Associate Professor. Salary will be commensurate with experience and research record. Details about the federal government’s CRC program can be found at: <http://www.chairs.gc.ca>.

The successful candidate will have a PhD, normally obtained in the last ten years, and an exceptional research record, as judged by the strength of the application materials including publications and other research artifacts developed during the candidate’s PhD program and post-PhD career, if applicable.

The application materials must also demonstrate that the candidate shows promise as an excellent teacher and advisor, and has potential to become an innovative and independent researcher and leader in his or her field. The potential for synergy between an applicant’s research program and existing research strengths of the department will be an important factor in selection.

Candidates for nomination should submit a CV, a teaching statement, a research statement, and the names of at least three references. The teaching statement should include a record of teaching interests and experience and effectiveness.

Applications may be submitted online at: https://apps.cs.ubc.ca/faculty_recruit/apply/form.jsp.

The website will remain open for submissions through the end of the day on January 31, 2014. The website may remain open past that date at the discretion of the recruiting committee. All applications submitted while the website remains open will be considered.

All positions are subject to review and final approval by the CRC Secretariat. Canada Research Chairs are open to individuals of any nationality; offers will be made in accordance with Canadian immigration requirements associated with the Canada Research Chairs program. UBC hires on the basis of merit and is strongly committed to equity and diversity within its community. We especially welcome applications from members of visible minority groups, women, Aboriginal persons, persons with disabilities, persons of minority sexual orientations and gender identities, and others with the skills and knowledge to engage productively with diverse communities. All qualified candidates are encouraged to apply.

If you have questions about the application process, please contact the Recruiting Committee Chair by email, at the address below.

Michael Friedlander
Chair, Recruiting Committee
Department of Computer Science
University of British Columbia
Vancouver, BC V6T 1Z4
Canada
Email: faculty-recruiting@cs.ubc.ca

University of California, Davis

Department of Statistics

Abraham Wald Visiting Assistant Professor Positions in Statistics

The Department of Statistics at the University of California, Davis, is soliciting applications for one or more Abraham Wald Visiting Assistant Professor positions starting July 1, 2014.

The Department seeks applicants with excellent research potential in areas of faculty interest and effective teaching skills. Applicants are required to have completed their Ph.D. by the time of their appointment, but no earlier than July 1, 2010. The annual salary is \$59,300. The teaching load is 3 quarter-long courses plus the supervision of a graduate study group. Wald appointments are

Professional Opportunities

renewable for a total of up to three years, assuming satisfactory performance in research and teaching.

Additional information about the Department may be found at <http://www.stat.ucdavis.edu/employment/academic/>.

To apply, go to <https://recruit.ucdavis.edu/apply/JPF00202>. Applications will be reviewed starting March 1, 2014.

UC Davis is an affirmative action/equal employment opportunity employer and is dedicated to recruiting a diverse faculty community. We welcome all qualified applicants to apply, including women, minorities, individuals with disabilities and veterans.

University of California, Irvine

Department of Informatics

Tenure-Track Faculty Position Digital Games

The Department of Informatics at the University of California, Irvine is seeking exceptional candidates for a tenure-track position in digital games. We recognize the importance of digital games to society and the economy, and wish to complement our existing areas of excellence with a strong presence in game studies and design. Applicants should have a Ph.D. in a relevant field and exhibit a compelling research portfolio as well as a clear vision for teaching about games and game design. Senior applicants should also demonstrate a proven track record in funded research activities.

For full instructions on how to apply, see: http://www.ics.uci.edu/employment/employ_faculty.php.

University of California, Merced

School of Engineering

High Performance Computing Assistant (tenure track) or Associate/Full (tenured) level

School of Engineering, University of California, Merced: High Performance Computing, Assistant (tenure track) or Associate/Full (tenured) level. This is a unique opportunity for one individual to join faculty in the School of Engineering at the new University of California campus. Research focus for this position is *high performance computing*. However, excellent applicants in other computer science research areas will also be considered. Evaluation of applications will begin January 1, 2014 and will remain open until filled.

To apply or for more information, please visit our website: <http://jobs.ucmerced.edu/n/academic/position.jsf?positionId=4968>.

University of California, Riverside

Faculty Position in Computer Engineering

The Department of Computer Science and Engineering (CSE) and the Department of Electrical Engineering (EE) invite applications for a joint senior-level faculty position in the Computer Engineering Program (CEN) beginning the 2014/15 academic year. Outstanding candidates with research interests in Low Power Computer Design and Computer Architectures will be considered. The candidate will play a leading role in all aspects of the Computer Engineering Program jointly administered by the CSE and EE Departments. Exceptional candidates in all areas of Computer Engineering with outstanding research, teaching, and graduate student mentorship records will be considered. Position requires a Ph.D. in Computer Engineering, Electrical Engineering or Computer Science. Salary level will be competitive and commensurate with qualifications and experience.

Details and application materials can be found at www.engr.ucr.edu/facultysearch. Full consideration will be given to applications received by January 1, 2014. We will continue to consider applications until the position is filled. For inquiries and questions, please contact us at search@cen.ucr.edu. EEO/AA employer.

University of California, Riverside

Faculty Positions in the Department of Computer Science and Engineering

The Department of Computer Science and Engineering, University of California, Riverside invites applications for **two tenure-track and one tenured** faculty positions beginning the 2014/15 academic year. Candidates are sought in the following areas of research: (1) Networks, Operating/Distributed Systems, and Cyber-security; (2) High-Performance and Scientific Computing; and (3) Low Power Computer Design and Architecture. The first two searches are focused on the Assistant Professor level. The third search is focused on the senior level and will be interdisciplinary with the successful candidate affiliated with one or more engineering departments in the College. Exceptional candidates in all areas and at all levels will be considered. Positions require a Ph.D. in Computer Science (or in a closely related field) at the time of employment. Junior candidates must show outstanding research, teaching and graduate student mentorship potential. Exceptional senior candidates with outstanding research, teaching, and graduate student mentorship records will be considered. Salary level will be competitive and commensurate with qualifications and experience.

Details and application materials can be found at www.engr.ucr.edu/facultysearch. Full consideration will be given to applications received by January 1, 2014. We will continue to consider applications until the positions are filled. For inquiries and questions, please contact us at search@cs.ucr.edu. EEO/AA employer.

University of California, San Diego

Department of Computer Science and Engineering Lecturer with (Potential) Security of Employment

The CSE Department seeks applications for a Lecturer with Potential Security of Employment (Lecturer PSOE, which parallels a tenure-track assistant professor position) or Lecturer with Security of Employment (Lecturer SOE, which parallels a tenured professorial position).

Successful candidates will be outstanding educators and should provide evidence of effective and innovative undergraduate teaching in computer science and engineering. They should also provide evidence of scholarly activity outside the classroom that has led to advances in computer science and engineering education. In addition to teaching core courses, candidates are expected to lead the development and assessment of new educational initiatives, including applying for grants related to education. Candidates are expected to have a Ph.D. degree in computer science or a related area.

The CSE Department is committed to building an excellent and diverse faculty, staff and student body. **In addition to the highest standards of scholarship, teaching, and professional activity, the preferred candidates for any position will have potential or demonstrated contributions to a climate that supports equity, inclusion, and diversity. All candidates are asked to describe explicitly the nature of their commitment to and experience with underrepresented groups.**

Applications received by November 22, 2013 will be given full consideration. However, positions remain open until filled. Please submit the following materials at the website: <https://apol-recruit.ucsd.edu/apply/JPF00450>: a cover letter, curriculum vita, a teaching statement, a research or scholarly activity statement, a list of references, and a separate statement describing your past experience in activities that promote diversity and inclusion and/or plans to make future contributions. For further information about contributions to diversity statements, see <http://facultyequity.ucsd.edu/Faculty-Applicant-C2D-Info.asp>.

If you have any questions, please contact Mohan Paturi (LSOE Recruiting Chair) at paturi@cs.ucsd.edu.

Professional Opportunities

University of California, San Diego

Department of Computer Science and Engineering

Tenure-Track or Tenured Faculty

The UCSD Department of Computer Science and Engineering (CSE) seeks to fill multiple tenured or tenure-track faculty positions for Fall 2014. Exceptional candidates in all areas will be seriously

considered. We especially encourage candidates working in the areas of systems and networking, vision and graphics, "big data" management and processing, cyber-physical systems or human computer interaction. Across all areas, we have particular interests in candidate who have experience and interest in building real experimental artifacts in their research.

The rank of the positions is at the Assistant Professor level; however, excellent candidates at all

levels will be seriously considered. The department is looking for applicants with outstanding research credentials. Successful applicants are expected to lead a vigorous research program and to have a strong commitment to teaching. A Ph.D. in computer science or a related area is desired. Salary and rank will be commensurate with qualifications in conformance with University of California policies.

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

CSE is home to over 50 faculty and 300 graduate students who span a range of research areas in computer science, computer engineering and bioinformatics. In addition, the department works closely with the Center for Networked Systems (CNS), the California Institute for Telecommunications and Information Technology (CaIT2), the San Diego Super Computer Center (SDSC), and the Center for Wireless Communications (CWC), which provide unique opportunities and resources. More information can be found at <http://www.cse.ucsd.edu>.

We encourage candidates to send applications as soon as possible. Applications received by January 1, 2014 will be given full consideration. However, positions remain open until filled. To apply, submit the following materials at the website <https://apol-recruit.ucsd.edu/apply/JPF00432>.

A cover letter, curriculum vita, research and teaching statements, a list of references, and a separate statement describing your past experience in activities that promote diversity and inclusion and/or plans to make future contributions. For further information about contributions to diversity statements, see <http://facultyequity.ucsd.edu/Faculty-Applicant-C2D-Info.asp>.

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

UCSD is an equal opportunity and affirmative action employer with a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff. Women and minority applicants, veterans and persons with disabilities are encouraged to apply (see <http://diversity.ucsd.edu>).



DESIGN FACULTY POSITION DEPARTMENT OF COGNITIVE SCIENCE

The Department of Cognitive Science within the Division of Social Sciences at the University of California, San Diego is committed to academic excellence and diversity within the faculty, staff, and student body, and invites applications for a new faculty position in Design at the assistant professor level. The candidate will help catalyze a new UCSD-wide initiative in Design. We interpret Design broadly, including collective intelligence & crowdsourcing, novel input & interaction technologies, social computing, mobile computing, entrepreneurship, creativity and organizational behavior, online learning, human-computer interaction, instructional technology and pedagogy, and other design-related research areas. We are especially interested in candidates who will flourish in a Cognitive Science Department, who will interact closely with faculty interested in design, human-computer interaction, information visualization, and embodied interaction, and whose research, teaching, or service has prepared them to contribute to our commitment to diversity, inclusion, and equity within an academic setting. Joint appointment with other departments can be considered where appropriate. Appointment begins July 1, 2014 and salary is commensurate with experience and based on the University of California pay scale.

The UCSD Department of Cognitive Science was the first of its kind in the world, and, as part of an exceptional scientific community, continues to influence the field it helped to create. The department is truly interdisciplinary, with a faculty whose interests span anthropology, computer science, design, human development, human-computer interaction, linguistics, neuroscience, philosophy, psychology, sociology, and vision.

Applicants must have a Ph.D. or the terminal degree in their area. An interdisciplinary perspective and experience with multiple methodologies is highly valued. The ideal candidate will have strong demonstrated accomplishments in areas contributing to diversity, equity and inclusion, and a desire to play a leadership role in advancing UC San Diego's commitment to achieving excellence and diversity. UCSD is an Equal Opportunity/Affirmative Action Employer with a strong institutional commitment to excellence through diversity and to addressing dual career issues.

Although we will accept applications until the position is filled, we encourage application by December 15, 2013 for full consideration. Candidates should submit, via online application: (1) a short cover letter describing background and interests, (2) vita, (3) research statement, (4) teaching statement, (5) reprints of up to four representative publications, (6) personal statement summarizing their contributions (or potential contributions) to diversity and leadership, and (7) at least three references (name, title, address and email).

For more information and to apply, visit <http://aptrkr.com/405744>

Equal Opportunity Employer

Professional Opportunities

University of Colorado, Boulder

Department of Computer Science

Assistant Professor

The Department of Computer Science (CS) at the University of Colorado Boulder seeks outstanding candidates, for a tenure-track position, with expertise in both machine learning and optimization. The opening is targeted at the level of Assistant Professor, although exceptional senior candidates at higher ranks may be considered.

We seek candidates whose primary research areas lie at the intersection of machine learning and numerical optimization, and whose research addresses challenges in theory, algorithms, implementation, and application of problems in optimization and machine learning. Candidates should demonstrate excellence in both research and teaching, have a strong interest in interdisciplinary collaboration, and aim to lead a highly visible, externally funded research program.

Applications must be submitted online at: <http://www.jobsatcu.com/postings/73978>.

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

University of Colorado, Colorado Springs

Department of Computer Science

Assistant Professor

The Department of Computer Science (CS) at the University of Colorado Colorado Springs (UCCS) invites applications for a tenure-track position in mobile, wireless and sensor systems; and a tenured/tenure track position in computer vision and innovation.

See job postings located here: <http://www.jobsatcu.com/postings/75292>, and here: <http://www.jobsatcu.com/postings/67326>.

The candidate is expected to develop a strong research program and support educational programs at the undergraduate, MS and PhD levels. The candidate must hold, before August 10, 2014, a PhD in Computer Science or a closely related field.

Colorado Springs is in the front range of the Rocky Mountains, offering a high-quality of life. UCCS has been rated a "Best in the West" by US News and World Reports, and is a rapidly growing campus. The College of Engineering and Applied Science at UCCS is nationally ranked and offers degrees at the Bachelors, Masters and Ph.D. level. The CS department has 12 regular faculty, including 2 recent NSF CAREER winners, with 3 new faculty hired in 2012.

Visit <http://eas.uccs.edu/cs> for more information.

University of Connecticut

Computer Science & Engineering Department

Department Head & Professor

The Department of Computer Science and Engineering at the University of Connecticut seeks outstanding applicants for the position of Department Head. This is a 10-month, tenured position at the rank of Professor. More details at: <http://www.cse.uconn.edu>.

Applications should include a CV detailing a record of funding and publications; a vision statement on evolving and future research opportunities for the department; and complete contact information for five references. Applications should be submitted via Husky Hire at: <http://www.jobs.uconn.edu>, job posting 2014294.

The University of Connecticut is an EEO/AA employer.

University of Georgia

The Department of Computer Science and the Department of Cellular Biology

Tenure-Track Assistant Professor Position

The Department of Computer Science and the Department of Cellular Biology at the University of Georgia invite applications for a tenure-track assistant professor position, starting in August 2014. Applicants should hold a PhD in Computer Science or Biomedical Engineering 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 backgrounds in such areas as Micro-scale Neuroimaging and Biological Imaging (optical, EM, AFM, molecular imaging and etc.), Brain Mapping, and Modeling Biological Processes. We have faculty with research interests spanning these areas. Strong applicants in other areas of Computer Science relating to Bio-imaging will be considered.

Computer Science (<http://www.cs.uga.edu>) 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. Faculty in the Department of Cellular Biology (<http://cellbio.uga.edu/research>) have

interests in Molecular Cell Biology, Developmental Biology, Infection and Immunity, and Neurosciences.

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=70>.

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 January 10, 2014 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 Illinois at Chicago

Computer Science Department

Multiple Faculty Positions

The Computer Science Department at the University of Illinois at Chicago invites applications for multiple tenure-track positions in Computer Systems, broadly defined, at the rank of Assistant Professor. Exceptional candidates at other ranks may also be considered. Candidates in related areas whose research evidences a strong empirical focus are also encouraged to apply.

The University of Illinois at Chicago (UIC) ranks among the nation's top 50 universities in federal research funding and is ranked the fourth best U.S. University under 50 years old by Times Higher Education. The Computer Science Department is a leading department within the University. The Computer Science Department has 24 tenure-track faculty members, and offers BS, MS and PhD degrees. Our faculty includes two ACM Fellows and nine NSF CAREER award recipients. We have annual research expenditures of \$9.4M, primarily federally

Professional Opportunities

funded. UIC is an excellent place for interdisciplinary research: UIC houses the largest medical school in the country, and our faculty are engaged in many cross-departmental collaborations with faculty from engineering, health sciences, social sciences, urban planning, and the business school.

Chicago epitomizes the modern, livable, vibrant city. Located on the shore of Lake Michigan, it offers an outstanding array of recreational and cultural experiences. As the birthplace of the modern skyscraper, Chicago boasts one of the world's tallest and densest skylines, combined with an extensive system of parks and public transit. Yet the cost of living, whether in an 85th floor condominium downtown or on a tree-lined street in one of the nation's finest school districts, is surprisingly low.

Applications must be submitted at <https://jobs.uic.edu/>. Please include a resume, teaching and research statements, and names and addresses of at least three references in the online application. Applicants needing additional information may contact the Faculty Search Chair at search@cs.uic.edu. For fullest consideration please apply by Nov. 25, 2013. The University of Illinois at Chicago is an Affirmative Action/Equal Opportunity Employer.

University of Illinois at Chicago

Department of Computer Science

Multiple Faculty Positions – Electronic Visualization

The Department of Computer Science at the University of Illinois at Chicago (UIC) invites applications for multiple tenure-track faculty positions at all levels, to begin August 2014. All candidates should have (or soon have) a doctorate in Computer Science or a related field and demonstrate significant scholarship in one of the following areas: visualization, computer graphics, human-computer interaction and computer supported cooperative work. Candidates will be expected to carry out world class research, collaborate with faculty from a wide range of disciplines, and teach effectively at the undergraduate and graduate levels. Senior candidates must have an outstanding research record in the computer science topics listed above, a strong record of funded research, demonstrated leadership in collaborative research, and an excellent teaching record at the undergraduate and graduate level.

Successful candidates will have the opportunity to become part of the research team at the UIC Electronic Visualization Laboratory (EVL). EVL, established in 1973, represents the oldest formal collaboration between engineering and art in the country, specializing in the design and development of visualization, virtual-reality and collaboration systems utilizing high-performance networks. Recent

key projects include SAGE™ (Scalable Adaptive Graphics Environment), the CAVE2™ Hybrid Reality Environment, and the TransLight/StarLight project prototyping innovative 100Gb transoceanic services. For more information on EVL, see <http://www.evl.uic.edu/>.

UIC ranks among the nation's top 50 universities in federal research funding and is ranked the fourth best U.S. university under 50 years old by Times Higher Education. It also is home to the largest medical school in the country. The UIC Computer Science Department is a leading department within the University; it has 24 tenure-track faculty members and offers BS, MS and PhD degrees. It has annual research expenditures of \$9.4M, primarily federally funded. The faculty includes two ACM Fellows and nine NSF CAREER award recipients. UIC is an excellent place for interdisciplinary research; Computer Science faculty is engaged in many cross-departmental collaborations with faculty from engineering, health sciences, social sciences, urban planning, education, design, arts, and business. For more information on the Computer Science Department, see <http://www.cs.uic.edu/>.

Chicago epitomizes the modern, livable, vibrant city. Located on the shore of Lake Michigan, it offers an outstanding array of recreational and cultural experiences. As the birthplace of the modern skyscraper, Chicago boasts one of the world's tallest and densest skylines, combined with an extensive system of parks and public transit. Yet the cost of living, whether in an 85th floor condominium downtown or on a tree-lined street in one of the nation's finest school districts, is surprisingly low.

Applications must be submitted at <https://jobs.uic.edu/>. Please include a resume, teaching and research statements, and contact information for three professional references in the online application. Applicants needing additional information may contact the Faculty Search Chair at EVLsearch@cs.uic.edu. For fullest consideration please apply by January 10, 2014.

UIC is an Affirmative Action/Equal Opportunity Employer. Salary will be commensurate with experience. The positions will remain open until filled.

University of Illinois at Urbana-Champaign

College of Engineering

Director, Health Care Engineering Systems Center & Professor

National/International Search

The College of Engineering at the University of Illinois at Urbana-Champaign seeks interested applicants for a tenured faculty position as Director of the Health Care Engineering Systems

Center at the Urbana campus. The Health Care Engineering Systems Center is an exciting new initiative being launched in partnership with the Jump Simulation and Education Center at Peoria, Illinois. We seek a Director with the vision and leadership skills to help create the premier center for providing clinical immersion and collaborations for engineering students with clinicians, developing new technologies and cyber-physical systems, enhancing medical training and practice, and in collaboration with key partners, driving the training of medical practitioners of the future. For more information regarding the Jump Simulation and Education Center, please visit the following website: <http://jumpsimulation.org/>.

Candidates are expected to hold a tenured faculty position at the level of full Professor (or an endowed position) in Industrial and Enterprise Systems Engineering (ISE), Bioengineering, Computer Science, Mechanical Engineering or any related Department. They must have a proven record of accomplishments in research, teaching, and leadership in the areas of interest related to this initiative. They must also show evidence of strong collaborative, administrative, and communication skills in order to effectively interact with college and campus administration, colleagues at the Jump Simulation and Education Center, clinicians, faculty, staff, and students.

To ensure full consideration, applications should be received by **January 15, 2014**, but applications will be accepted until the position is filled. Salary is commensurate with skills and experience. To apply for this position, please create your candidate profile at jobs.illinois.edu. For further information regarding application procedures, please contact Linda Morris at lsmorris@illinois.edu or 217-333-2511.

Illinois is an AA-EOE.

The University of Iowa

Tippie College of Business - Management Sciences Department

Faculty Position: Assistant Professor (Tenure Track)

The Management Sciences Department is recruiting for a tenure track assistant professor in Business Analytics and Information Systems (BAIS) starting in fall, 2014. Areas of interest include but are not limited to data science, large database management, data warehousing, text analytics and data mining.

Candidates should have a Ph.D. in Information Systems, Informatics, Information Sciences, Computer Science, Management Science or a related field and exhibit exceptional research and teaching promise. The Management Sciences

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department offers undergraduate and doctoral programs in Business Analytics and Information Systems. The department teaches additional BAIS courses for MBA and MAC students. Candidates with the interest and ability to teach in the database area are particularly encouraged to apply. Extensive collaborative opportunities are available with faculty and doctoral students in other departments and interdisciplinary programs. The faculty member hired for this position will contribute to the new Iowa Informatics Initiative.

Applications are accepted online through Jobs@UIOWA at <http://jobs.uiowa.edu/jobSearch/faculty>, reference Requisition #63655. All applicants should submit a cover letter, curriculum vita, statement of research interests, statement of teaching interests, three references, and 1-3 research papers online. Salary is competitive and commensurate with qualifications. Application screening will begin by January 2, 2014.

The University of Iowa is an Equal Opportunity/Affirmative Action Employer; women, minority applicants, veterans and persons with disabilities are strongly encouraged to apply.

University of Lethbridge

Mathematics and Computer Science

Postdoctoral fellowship in algorithm design and optimization

The research broadly targets areas in communication networks, facility location, and discrete optimization.

A PhD degree in Computer Science or a related field, obtained in the last 5 years, is required before the start date of the fellowship.

To apply, please submit a letter of intention, a CV, a research statement, the contact information for three referees, and a sample of your publications, by e-mail to: Robert Benkoczi (robert.benkoczi@uleth.ca; <http://www.cs.uleth.ca/~benkoczi>).

Applications received by January 31, 2014 will receive full consideration.

University of Massachusetts, Amherst

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 Boston

Department of Computer Science

Assistant Professor

The Computer Science Department at the University of Massachusetts Boston invites applications for one full-time position in Graphics/Visualization at the rank of Assistant Professor, to begin September 1, 2014. We offer an ABET-accredited BS in Computer Science, a BS in Information Technology, an MS with an emphasis on software engineering, and a Ph.D. in Computer Science. Current faculty interests include bioinformatics, computer and human vision, data mining, databases, networks, security, software engineering, system modeling, and theoretical computer science.

A Ph.D. in computer science or a related area is required. A successful candidate is expected to establish a highly-recognized, externally-funded independent research program at UMass Boston. We offer a competitive salary and start-up package.

A complete application consists of a cover letter, curriculum vitae, statements about research and teaching, and the names and email addresses of three references.

Please submit your application at: <http://www.umb.edu/hr/jobs>.

Our campus overlooks Boston harbor; our faculty and students enjoy professional life in a center of academia and the software industry. For more information, visit us at <http://www.cs.umb.edu>.

Review of applications has begun and will continue until the position is filled.

UMass Boston is an Affirmative Action, Equal Opportunity Title IX employer.

University of Massachusetts Lowell

Department of Computer Science

Lecturer (NTT)

The Computer Science Department invites applications for two full-time, non-tenure-track faculty positions at the rank of Lecturer to start on January 6, 2014. Primary responsibilities are to provide high quality teaching and service to the department. In addition, the department is specifically looking for a candidate with the experience to lead its application for ABET accreditation. This position is renewable annually, potentially leading to an appointment as Senior Lecturer following six consecutive years of outstanding performance evaluations.

Minimum Qualifications: Applicants must hold a doctoral degree in Computer Science or a closely

Professional Opportunities

related discipline. Experience and demonstrated excellence teaching Computer Science at the undergraduate level is required.

The University of Massachusetts Lowell is located about 25 miles northwest of Boston in the high-tech corridor of Massachusetts. The Computer Science department has 18 tenured and tenure-track faculty and two lecturers, serving about 400 BS students, 100 MS students, and 75 PhD students. It also offers bioinformatics options at all levels, a robotics minor, and a PhD in computational mathematics.

The Computer Science faculty has received approximately \$6M in the last two years in external research funding from NSF, DOD, NIH, and corporations. The department has five NSF CAREER

Award recipients. More information about the department can be found at www.cs.uml.edu.

The University of Massachusetts Lowell is dedicated to transformational education that fosters student success, lifelong learning and global awareness. UMass Lowell offers affordable, experience-based undergraduate and graduate academic programs taught by internationally recognized faculty who conduct research to expand the horizons of knowledge. The programs span and interconnect the disciplines of business, education, engineering, fine arts, health, humanities, sciences and social sciences. Our graduates leave UMass Lowell ready for work, for life and for all the world offers.

A major component of UMass Lowell's vision is to ensure that diversity and inclusion are in every aspect of our strategic plan. We seek a diverse talented candidate pool to be part of our mission and achievements.

Interested applicants should apply online at <https://jobs.uml.edu>. Review of applications will begin immediately, and continue until the position is filled. However, the position may close when an adequate number of qualified applications are received. Women and underrepresented minorities are strongly encouraged to apply. Thank you for considering the University of Massachusetts Lowell as an employer of choice. We look forward to receiving your application.

The University of Massachusetts Lowell is committed to increasing diversity in its faculty, staff, and student populations, as well as curriculum and support programs, while promoting an inclusive environment. We seek candidates who can contribute to that goal and encourage you to apply and to identify your strengths in this area.

University of Massachusetts Medical School

Department of Quantitative Health Sciences

Postdoctoral Scholar

Overview:

We are seeking 1~2 highly motivated postdoctoral research associate to join Prof. Hong Yu's Biomedical Natural Language Processing (BioNLP) group at UMass Medical School and UMass Amherst. This position will primarily be located at the UMass Medical School in Worcester, MA. The BioNLP group is actively pursuing projects in figure search and summarization, question answering in the biomedical domain, and adverse drug event detection.

Responsibilities:

The successful candidates will help investigate new algorithms to support our current research thrusts. This will require extensive experience with data mining (DM) and implementing machine learning (ML) systems. A plus will be background in computer vision, especially with text detection or figure search and analysis.

Qualifications:

Candidates for this position should have a PhD in Computer Science or related field and a significant technical track record including publications in top conferences and journals in:

- Machine Learning,
- Data Mining, and/or
- Computer Vision/Pattern Recognition

Proficiency in quantitative analytical methods and strong programming skills (e.g., python, matlab, java, C/C++, weka, etc.), along with extensive research experience in hands-on machine learning (ML) and data mining (DM), is essential. Additional experience in bioinformatics or figure search and analysis is desirable.

Successful applicants will join a vibrant collaborative research environment, will work closely with clinical investigators and senior personnel in the lab, and should have the ability to work effectively both independently and as part of a multidisciplinary team. The position will be for one year, renewable for a second year, starting Summer or Fall 2014.

Application:

Please apply by email to Dr. Ricky J. Sethi <rickys@sethi.org> and include a brief letter of introduction, a CV including list of publications in PDF format, and names and email addresses of 2-3 referees.

Background:

Please see <http://ummsres12.umassmed.edu/postdoc-ad-2014.txt> for more information.

Competitive Salary based on experience.

The University of Memphis

Computer Science Department

Assistant Professor

The Department of Computer Science, www.cs.memphis.edu, at the University of Memphis is seeking candidates for a tenure track Assistant Professor in Cyber Security Position beginning fall 2014.

For position details and to apply, please visit <https://workforum.memphis.edu/>.

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

University of Mississippi

Electrical Engineering Department

Tenure-Track Assistant Professor Position

The Electrical Engineering Department at the University of Mississippi invites applications for a tenure-track Assistant Professor position in Computer Engineering. Our ABET-accredited undergraduate program offers a BS in Electrical Engineering with three emphases: general, computer engineering, and biomedical engineering. The department has internationally recognized research programs in applied electromagnetics, communications and networks and offers MS and PhD degrees in these areas.

This position will be expected to teach basic undergraduate computer engineering courses such as microprocessors, embedded systems, VLSI, and HDL; and develop a sponsored research program in computer engineering. A Ph.D. in computer engineering or a closely related area is required. For more information, visit the department Us web page at <http://www.engineering.olemiss.edu/electrical/> or contact Dr. Paul Goggans, Professor and Search Committee Chair, Department of Electrical Engineering, University of Mississippi, University, MS 38677.

Applicants must apply online at <https://jobs.olemiss.edu>, supplying the following: a letter of application; curriculum vitae; statement of research and teaching interest; and a list of three references with email addresses and phone numbers.

This position will be open until an adequate applicant pool has been reached. Review of applications will begin immediately.

The University of Mississippi is an EEO/AA/Title VI/ Title IX/Section 504/ADA/ADEA employer.

Professional Opportunities

University of Missouri – St. Louis

Department of Mathematics and Computer Science

Computer Science Tenure-Track Assistant Professor Position

The Department of Mathematics and Computer Science at the University of Missouri-St. Louis invites applications for a tenure-track Assistant Professor position in Computer Science to begin Fall 2014. Qualified candidates in all areas of Computer Science will be considered, with preferences given to information security, mobile computing, and big data. A Ph.D. in computer science or a closely related area is required.

For more details, and application information, please see: <http://www.cs.umsl.edu/~janikow/tenureTrack2014.pdf>

University of New Hampshire

Department of Computer Science

Tenure-Track Assistant Professor - Cyber Security

The Department of Computer Science at the University of New Hampshire (UNH) invites applications for a full-time tenure-track assistant professor position in cyber security to begin August 2014. A Ph.D. (or equivalent degree) in computer science or a closely related discipline is required by the time of appointment.

Candidates must have a research focus in an area of cyber security, such as computer security, software security, network security, or information security. Candidates should have a record of excellent research and a clear potential for excellent teaching. The teaching load will be one course per semester for at least the first three years to give the new hire the opportunity to mentor graduate students and grow a successful funded research program.

The Department offers B.S., M.S., and Ph.D. degrees and currently has 17 faculty, 260 undergraduate majors, and 65 graduate students. UNH is a land-, sea-, and space-grant university and serves as the flagship public research institution of New Hampshire. It is located in the vibrant seacoast area of the state, with easy access to both Boston and the White Mountains. UNH is an Equal Opportunity, Equal Access, and Affirmative Action institution and is a recent recipient of a National Science Foundation ADVANCE award to promote hiring and advancement of women in science and engineering. We especially encourage applications by members of underrepresented groups. For more information about UNH and the Department, see www.cs.unh.edu.

To apply, submit a cover letter, brief research and teaching statements, a complete CV, sample publications and contact information for at least three references at <https://academicjobsonline.org/ajojobs/3561>. Applications will be reviewed as they are received until the position is filled, with those received by January 3, 2014 ensured of full consideration.

University of New Hampshire at Manchester

Computer Information Systems

Assistant Professor of Computer Science

The University of New Hampshire at Manchester invites applications for a full-time, tenure-track faculty position of Assistant Professor of Computer Science in the Computing Technology Program, beginning August 2014. Qualified candidates are

UNIVERSITY OF MICHIGAN

Faculty Position in Connected and Automated Vehicles

The University of Michigan's College of Engineering (COE) and the University of Michigan Transportation Research Institute (UMTRI), has a joint tenure-track faculty opening in the area of connected and automated vehicle systems. This is an important research and teaching area as national and global challenges in transportation safety, energy, emissions, and infrastructure emerge. The position will consist of a tenure-track appointment in the candidate's preferred College of Engineering department, and a secondary appointment in UMTRI. All ranks will be considered for the positions. Applicants shall have a doctorate in engineering or related field of study, and those applying at the Associate Professor or Professor levels must have a well-established academic record, including scholarly publications and an externally funded research program. The areas of interest include, but are not limited to: *active safety, vehicle control, driver-assistance systems, and all aspects of vehicle automation, including sensing, single- and multi-vehicle planning and coordination, control, validation, communication systems, human-machine interfaces, and security.*

In addition to the strength of their research potential, applicants will be evaluated on their vision and potential for teaching within an appropriate academic department at both the undergraduate and graduate level. Reduced teaching loads will be available for those with significant collaborations with UMTRI. The successful candidates should also establish an active research program that spans between the COE and UMTRI while conducting multi-disciplinary research and teaching activities with colleagues in other Departments and Colleges on campus.

Interested individuals should submit their curriculum vitae, statements of research interests and teaching philosophy, copies of representative research publications, and contact information for five references electronically to: coeumtriresearch@umich.edu. All other inquiries may be directed to Dr. Huei Peng (hpeng@umich.edu), Faculty Search Committee Chair. Applications are requested by January 5, 2014 when the committee's selection process will begin. However, applications will be accepted until the position is filled.

The University of Michigan is a premier public university with top-rated Engineering, Medical, Law and Business programs, and is responsive to the needs of dual career families. The College of Engineering and the University of Michigan Transportation Research Institute are dedicated to the goal of building a culturally and intellectually diverse environment. The COE and UMTRI are at the forefront of innovation through active collaboration with other campus entities, including the School of Natural Resources and Environment, Taubman College of Architecture and Urban Planning, the University of Michigan Energy Institute, and the Graham Environmental Sustainability Institute. For further information about the College of Engineering, visit: <http://engin.umich.edu/>. For more information about the University of Michigan Transportation Research Institute, visit: <http://www.umtri.umich.edu/>.

The University of Michigan is an equal opportunity employer

Professional Opportunities

expected to have a Ph.D. in Computer Science (or closely related discipline). Preference will be given to candidates with Ph.D. and practical or applied professional experience in the area of architecture and systems, such as computer architecture, operating systems, or distributed and parallel processing systems. Qualified candidates in other areas will also be considered. The position requires student focused teaching and advising; developing an ongoing program of engaged scholarship and externally-funded research; and service to the profession and UNH community. The normal teaching load is three courses per semester.

To apply, please visit <https://jobs.usnh.edu>.

Review of applications will begin December 15, 2013 and continue until the position is filled. Background check may be required prior to employment.

UNH is an AA/EEO Employer. UNH is committed to excellence through the diversity of its faculty and staff and encourages women and minorities to apply.

University of New Haven

Tagliatela College of Engineering - Search #13-68
ECECS Faculty - Assistant Professor - Computer Science

The Department of Electrical & Computer Engineering and Computer Science (ECECS) in the Tagliatela College of Engineering at the University of New Haven invites applications for a tenure track assistant professor position in the field of computer science. The expected starting date is September 1, 2014.

Required qualifications: A Ph.D. in computer science by September 1, 2014, a strong research record, and a demonstrated ability to teach courses in programming and software development. The new faculty member is expected to work in the computer security/cyber forensics focus area. Prior experience in working as part of a software development team will be a plus.

For more details please see <http://www.newhaven.edu/about/employment/job-opportunities/faculty-positions/> for a full position description.

EOE

University of New Orleans

Computer Science Department
Two Tenure-Track Positions

The Computer Science Department invites applications for two tenure-track positions at the rank of Assistant Professor to begin Fall 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>.

University of North Carolina Charlotte

Assistant Professor - Cyber Security

The Department of Software and Information Systems in the College of Computing and Informatics at UNC Charlotte invites applicants for a tenure-track faculty position with a focus on cyber security at the Assistant Professor level. The Department is dedicated to research and education in Software Engineering and Information Technology applications, with emphasis in the areas of Cyber Security and Privacy, Modeling and Simulation, Human Computer Interaction (HCI), Design, and Healthcare Informatics. The successful applicant must have a strong commitment to research and education, with an excellent research record that can attract substantial funding to support Ph.D. students. Applicants from all disciplines in cyber security and privacy are encouraged to apply, particularly those who can demonstrate strengths in one of the following areas: formal methods for cyber and cyber-physical systems, science of security, system security, and security and privacy in big data analytics. The Department of Software and Information Systems offers a Security and Privacy program recognized by the National Security Agency as a National Center of Academic Excellence in Education and Research. The Department and the College of Computing and Informatics also host two research centers focused on the area of security: Cyber Defense and Network Assurance Center and a National Science Foundation IUCRC Center on Configuration Analytics and Automation.

Applications must be made electronically at <https://jobs.uncc.edu> (Position No. 6282) and must include a CV, 3 references, statements of teaching and research, and 3 representative publications. Informal inquiries can be made to the Search Committee Chair at sis-search@uncc.edu. Review of applications will begin in January 2014 and continue until the position is filled. All inquiries and applications will be treated as confidential.

Women, minorities and individuals with disabilities are encouraged to apply. UNC Charlotte is an Equal Opportunity/Affirmative Action employer and is an ADVANCE institution, dedicated to increasing diversity in STEM fields.

Applicants are subject to criminal background check.

University of North Carolina at Charlotte

College of Computing and Informatics

Associate Dean

The College of Computing and Informatics (CCI) invites applications for the position of Associate Dean. Candidates for the position must have a Ph.D. in Computer Science, Information Technology, or a closely related field, a strong record of leadership and administrative skills, a record of research and publication commensurate with that of a Full Professor, and evidence of a commitment to innovation and excellence in teaching. UNC Charlotte is one of the most rapidly growing universities in the country, and the goal within the CCI is to lead this growth both in enrollment and quality of programs. As a result, the college expects to grow significantly in faculty and research funding over the next 5 years. The Associate Dean position has overall responsibility for coordinating strategy planning, implementation and operation of all academic programs in the college, from new program development to enrollment management. The new Associate Dean has an opportunity to be innovative in college administration of academic programs along with an exciting and dynamic faculty. The College has recently established a Center for Education Innovation that brings teaching, learning and research together in strategic and innovative projects.

Applications must be made electronically at <https://jobs.uncc.edu> (Position No. 4664) and must include a CV, references, and a statement on innovation in teaching, management, and leadership. Informal inquiries can be made to the Search Committee Chair, Mary Lou Maher, m_maher@uncc.edu.

Review of applications will begin in December 2013 and continue until the position is filled.

All inquiries and applications will be treated as confidential.

The University of North Carolina at Charlotte is an EOE/AA employer.

For additional information, please visit our website at www.cci.uncc.edu.

University of North Carolina at Charlotte

Department of Computer Science

Chairperson

The College of Computing and Informatics at the University of North Carolina at Charlotte invites applications for the position of Chair of the Department of Computer Science. Candidates for the position must have a Ph.D. in Computer Science, Information Technology, or a closely related field, a record of research and publication

Professional Opportunities

commensurate with that of a Full Professor, evidence of a commitment to excellence in teaching, and strong administrative skills. UNC Charlotte is one of the most rapidly growing universities in the country. The goal within the College of Computing and Informatics is to lead this growth both in enrollment and quality of programs, and the CS department will be a key part of this effort. The new Chair of CS has an opportunity to shape a rapidly growing field of study and research, to bring dynamic leadership in research, curricular, and faculty development, and to provide strategic direction within the department for initiatives such as data science and analytics and other large, multidisciplinary research efforts. The Department has 27 tenure-track faculty members who actively engage in research in computer vision and medical image analysis, robotics, databases and knowledge discovery, high performance computing, machine learning and natural language processing, multimedia, robotics, visualization and visual analytics, and wireless and sensor networks. The Department houses the Charlotte Visualization Center, a leading international center with a focus on big data, information visualization, and data analytics. The CS faculty founded the STARS Computing Corps, a national community of 50 colleges and universities with the goal of broadening participation in computing.

Applications must be made electronically at <https://jobs.uncc.edu> (Position No. 1912) and must include a CV, references, and a statement on your vision for the Department, and your management, leadership, and research goals.

Informal inquiries can be made to the Search Committee Chair, Mary Lou Maher, m.maher@uncc.edu.

Review of applications will begin in December 2013 and continue until the position is filled. All inquiries and applications will be treated as confidential.

The University of North Carolina at Charlotte is an EOE/AA employer.

For additional information, please visit our website at www.cci.uncc.edu.

University of North Carolina at Charlotte

Department of Computer Science

Non-Tenure-Track Teaching Professor Position

The Department of Computer Science at the University of North Carolina at Charlotte (<http://cs.uncc.edu/>) is seeking candidates for a full-time, 9-month non-tenure-track Teaching Professor position at the rank of assistant, associate or full professor. The appointment will be for three or five years, depending on rank, and is eligible for renewal. A Ph.D. in Computer Science or closely

related field is required. Teaching faculty are expected to contribute to high quality teaching, curriculum development and innovation, scholarship of teaching, and student recruitment, advising, and success. We seek candidates who can teach programming languages, software engineering, databases, and/or computer networking at both graduate and undergraduate levels. Highly qualified candidates in other areas of teaching will also be considered.

UNC Charlotte is North Carolina's urban research university. Located in the state's largest metropolitan area, UNC Charlotte is among the fastest growing universities in the UNC System. The Department of Computer Science is experiencing significant growth in student numbers and externally funded research. The Department has over 1000 students in BA, BS, MS, and PhD programs. The Department focuses on visualization and visual analytics, robotics, artificial intelligence, mobile and wireless networks, and databases and knowledge discovery. UNC Charlotte has a student enrollment over 26,000 with plans to grow to 35,000.

Anticipated start is Fall 2014. Review of applications will begin immediately and will continue until a selection has been made. For full consideration, please attach vita, teaching statement, and full contact information for three references with online application at <https://jobs.uncc.edu> (Position #1772) by January 6, 2014. Finalists will be asked to forward official transcripts and other supportive materials as requested by the search committee. For additional information, contact: Dr. Ken Chen (chen@uncc.edu). Applicants are subject to criminal background check.

UNC Charlotte is an Affirmative Action/Equal Opportunity employer. Women, minorities, veterans, and individuals with disabilities are encouraged to apply. UNC Charlotte is an ADVANCE institution (see <http://advance.uncc.edu>).

University of North Florida

Department of Computer Science and Engineering

Assistant Professor and Lecturers

Advisor-Instructor position in School of Computing at University of North Florida.

Details and application can be found at: <http://www.unf.edu/cccec/computing/Employment/Jobs.aspx>.

University of Pennsylvania

Department of Computer and Information Science

Faculty Positions

The University of Pennsylvania invites applicants for tenure-track appointments in computer science to start July 1, 2014. Applicants must have a Ph.D. in Computer Science. While exceptional individuals in any area will be considered, particular areas of interest include formal methods, machine learning, and systems. Applications are also invited from individuals working on emerging areas in computer science such as its interface with energy, manufacturing, environment, and computational science. Tenured appointments will be given strong consideration. The department seeks individuals with exceptional promise for, or proven record of, research achievement who will excel in teaching undergraduate and graduate courses and take a position of international leadership in defining their field of study. Leadership in cross-disciplinary collaborations is of particular interest. Successful applicants will find Penn to be a stimulating environment conducive to professional growth.

Electronic applications are strongly preferred, but hard-copy applications (including the names of at least four references) may alternatively be sent to:

Chair, Faculty Search Committee
Department of Computer and Information Science
School of Engineering and Applied Science
University of Pennsylvania
Philadelphia, PA 19104-6389

Please go to <http://www.cis.upenn.edu/departamental/facultyRecruiting.shtml> to apply.

Applications should be received by January 15, 2014 to be assured full consideration. Applications will be accepted until positions are filled. Questions can be addressed to facultysearch@central.cis.upenn.edu.

The University of Pennsylvania is an affirmative action/equal opportunity employer. The University of Pennsylvania values diversity and seeks talented faculty from diverse backgrounds. The University of Pennsylvania does not discriminate on the basis of race, color, sex, sexual orientation, gender identity, religion, creed, national or ethnic origin, citizenship status, age, disability, veteran status or any other legally protected class status in the administration of its employment practices.

Professional Opportunities

University of Pittsburgh

Department of Computer Science

Tenure Track Position-Assistant Professor

The Department of Computer Science is seeking applications for a full-time tenure-track assistant professor position to begin in the Fall Term 2014, pending budgetary approval. While we are seeking outstanding candidates in all areas of Computer Science, we specifically encourage applications from candidates whose research will enhance interdisciplinary collaborations between the Computer Science department and other units in the university.

Candidates should apply on-line at <http://www.cs.pitt.edu/recruit>. The deadline is January 31, 2014. Please direct your inquiries to fsearch@cs.pitt.edu.

For further information about the Department please see <http://www.cs.pitt.edu>.

The University of Pittsburgh is an Affirmative Action Equal Opportunity Employer. Women and members of minority groups under-represented in academia are especially encouraged to apply. For more information on living in Pittsburgh, visit www.coolpgh.pitt.edu.

USC Beaufort, Bluffton, South Carolina

Human Resources

Assistant Professor of Computational Science, Tenure Track Faculty

The Department of Mathematics and Computational Science at the University of South Carolina Beaufort

invites applications for two tenure-track faculty position in Computational Science beginning August 2014. Candidates are expected to have an earned doctorate in Computer/Computational Science (position 1) or Computational Engineering (position 2) at the time of employment.

Successful candidates will be able to teach undergraduate courses in i) Computer or Computational Science (particularly in data analytics and high performance computing) and ii) Computational Mechanical Engineering or Computational Aerospace engineering. Preferred candidate will have the ability to establish and maintain an independent, externally-funded research program in his/her discipline, a strong commitment to undergraduate teaching, and excellent communication skills. Of particular interest are candidates willing to engage in collaborative research with colleagues in other science or engineering disciplines. Besides teaching and research, responsibilities include professional and university service.

Applicants must use the online application for: <https://uscjobs.sc.edu/applicants/Central?quickFind=73015>

The University of South Carolina is an Affirmative Action/Equal Opportunity Institution. Women and minorities are encouraged to apply.

University of South Florida

Dean, College of Engineering

University of South Florida (USF) is conducting a nationwide search for its next Dean of the College of Engineering. The Search Committee invites letters of nomination, applications (letter of interest, full resume, and contact information of at least five references), or expressions of interest to be submitted to the search firm assisting USF. Review of materials will begin immediately and continue until the appointment is made. It is preferred, however, that all nominations and applications be submitted prior to January 31, 2014. Applications received after this date may be considered at the discretion of the Committee and/or hiring authority.

For a complete position description, please visit the Current Opportunities page at <https://www.parkersearch.com/>.

Laurie C. Wilder, Executive Vice President and Managing Director
Ryan Crawford, Principal
770-307-7031
lwilder@parkersearch.com
rcrawford@parkersearch.com

USF is an Equal Opportunity/Equal Access University.

USC Viterbi School of Engineering - Computer Science

The Computer Science Department (<http://cs.usc.edu>) at the USC Viterbi School of Engineering (<http://viterbi.usc.edu>) seeks candidates for teaching positions (Lecturer) to teach undergraduate and graduate courses. These are full time, benefits eligible faculty positions on the non-tenure track. Competitive candidates will have the training and experience necessary to teach effectively in a highly-ranked Computer Science department that advances undergraduate students through an accredited BS degree program and graduate students enrolled in MS and PhD programs. Candidates will have a background (or specific interest) in one or more of the following areas: Agents, Algorithms, Artificial Intelligence, Complexity, Databases, Games, Graphics, Information Management, Multimedia, Natural Language Processing, Networks, Programming, Robotics, Software Systems and Engineering, Systems, and Vision.

These are primarily teaching positions; all candidates are expected to have a strong commitment to teaching. Lecturers will spend the majority of their time on teaching and teaching-related duties with reduced obligation for research and University service. Qualified candidates should have a doctoral degree in Computer Science (or equivalent) by the date of appointment. Salary and benefits are competitive. While we seek applications at the level of Lecturer, in exceptional cases, applicants with longer teaching experience may also be considered for a commensurate position (e.g., Senior Lecturer).

Applicants should submit their applications online at: <http://tinyurl.com/USCCSLecturer2014>

Applications must include a cover letter, a detailed curriculum vitae, a teaching statement, and names of at least three professional references, at least two of whom must be familiar with, and able to comment on, the applicant's teaching experience. Applicants may also optionally include a research statement. Applications should be received by January 1, 2014. Later applications will be considered to the extent possible.

The USC Viterbi School of Engineering is among the top engineering schools in the world. It counts 177 full-time, tenure-track faculty members, and it is home to the Information Sciences Institute, two National Science Foundation Engineering Research Centers, a Department of Energy EFRC (Energy Frontiers Research Center), and the Department of Homeland Security's first University Center of Excellence, CREATE. The school is affiliated with the Alfred E. Mann Institute for Biomedical Engineering, the Institute for Creative Technologies and the USC Stevens Center for Innovation. Research expenditures typically exceed \$180 million annually. With 36 tenure-track faculty, 45 research faculty, and 10 teaching faculty (including a Turing Award winner and multiple NAE and NAS members), the Department of Computer Science is the biggest department in the Viterbi School and one of the nation's leading centers of research and education in the field.

USC values diversity and is committed to equal opportunity in employment. Women and men, and members of all racial and ethnic groups, are encouraged to apply.



<http://tinyurl.com/USCCSLecturer2014>



Professional Opportunities

Parker Executive Search
Five Concourse Parkway
Suite 2900
Atlanta, GA 30328
770.804.1996
parkersearch.com

University of Texas at Dallas

Tenure Track Faculty Positions in

Computer Science - <http://cs.utdallas.edu>

The [Department of Computer Science](#) of The [University of Texas at Dallas](#) invites applications from outstanding applicants for multiple tenure track positions in computer science. Candidates in all areas of Computer Science will be considered. Candidates

must have a Ph.D. degree in Computer Science, Software Engineering, Computer Engineering or equivalent. The positions are open for applicants at all ranks. Candidates for senior positions must have a distinguished research, publication, teaching and service record, and demonstrated leadership ability in developing and expanding (funded) research programs. An endowed chair may be available for highly qualified senior candidates. Junior candidates must show outstanding promise.

The Department offers B.S., M.S., and Ph.D. degrees both in Computer Science and Software Engineering, as well as in interdisciplinary fields of Telecom Engineering and Computer Engineering. Currently the Department has a total of 47 tenure-track faculty members and 17 senior lecturers. The department is housed in a spacious 150,000 square feet facility

and has excellent computing equipment and support. The department houses a number of centers and institutes, particularly, in areas of [net centric software](#), [cyber security](#) and [human language technology](#).

The University is located in the most attractive suburbs of the Dallas metropolitan area. There are over 800 high-tech companies within few miles of the campus, including Texas Instruments, Alcatel, Ericsson, Hewlett-Packard, Nokia, Fujitsu, Raytheon, Rockwell Collins, Cisco, etc. Almost all the country's leading telecommunication's companies have major research and development facilities in our neighborhood. Opportunities for joint university-industry research projects are excellent. The Department received more than \$27 Million in new research funding in the last three years. The University and the State of Texas are also making considerable investment in commercialization of technology developed in University labs: a new start-up business incubation center was opened in September 2011.

The Erik Jonsson School of Engineering and Computer Science, where the CS Department is housed, has experienced very rapid growth in recent years. The University and the State of Texas are investing significant resources in the pursuit of excellence.

We welcome inquiries; for more information, contact Gopal Gupta, Department Head, via email (gupta@utdallas.edu) or send e-mail to cs-search@utdallas.edu or view the Internet Web page at <http://cs.utdallas.edu>. The search committee will begin evaluating applications on January 15th. Applications received on or before January 31st will get highest preference.

To apply, please visit: <http://provost.utdallas.edu/facultyjobs/welcome/jobdetail/pcl131115>.

The University of Texas at Dallas is an Equal Opportunity Affirmative Action employer and strongly encourages applications from candidates who would enhance the diversity of the University's faculty and administration.

University of Texas at Dallas

Tenure Track Faculty Positions in Computer Science - Software Engineering

<http://cs.utdallas.edu>

The [Department of Computer Science](#) of The [University of Texas at Dallas](#) invites applications from outstanding applicants for multiple tenure track positions in the computer science department, specializing in software engineering. Candidates must have a Ph.D. degree in Computer Science, Software Engineering, Computer Engineering or

The Computer Science Department of the USC Viterbi School of Engineering seeks to hire a tenure-track assistant professor. While we are interested in exceptional candidates in all areas of computer science, our priority is in security (including, but not limited to, systems security, secure programming languages, privacy, cryptography, risk assessment, social and ethical concerns, and security in emerging application areas such as cyberphysical and cybersocial systems).

Applicants should submit their applications online at:

<http://tinyurl.com/USCCS2014>

Applications must include a letter indicating the area of specialization, detailed curriculum vitae, a statement on current and future research directions, a teaching statement, and names of at least three professional references. Evaluation of dossiers will start on December 15, 2013, but later applications will also be considered.

We are also interested in exceptionally accomplished candidates who can be transformational faculty members both in computer science and interdisciplinary computing. Such candidates should contact the Department Chair, at cschair@usc.edu. Outstanding senior applicants who have demonstrated academic excellence and leadership, and whose past activities document a commitment to issues involving the advancement of women in science and engineering may be also considered for the Lloyd Armstrong, Jr. Endowed Chair, which is supported by the Women in Science and Engineering Program endowment.

We expect all candidates to have a strong commitment both to research and to teaching. All applicants must have earned a doctorate in Computer Science or a closely related field by the date of appointment.

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USC
Viterbi
School of Engineering
Department of
Computer Science

<http://tinyurl.com/USCCS2014>



Professional Opportunities

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To apply, please visit: <http://provost.utdallas.edu/facultyjobs/welcome/jobdetail/pcn131121>.

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The University of Western Ontario

Computer Science and Statistics & Actuarial Science

Tier 1 CRC Chair in Data analytics

The Departments of Computer Science and Statistical & Actuarial Sciences are pleased to announce a search for a Tier I Canada Research Chair at the Full Professor or Associate Professor level (tenured) in Data Analytics. The starting date will be July 1, 2014. In accordance with the regulations set for Tier 1 Canada Research Chairs (www.chairs-chaires.gc.ca), the successful candidate will be an outstanding and innovative researcher whose accomplishments have made a major impact in their field; be recognized internationally as a leader in their field; and have a superior record of attracting and supervising graduate students and postdoctoral fellows. The successful candidate will provide leadership in research, promote interdisciplinary scholarship, increase knowledge mobilization and societal benefits, and develop timely graduate and undergraduate programs in Data Analytics.

For more details please see http://www.uwo.ca/facultyrelations/faculty/academic_positions.html#science for a full position description.

University of Wisconsin-Madison

Computer Sciences Department

Faculty Positions: Assistant Professors

The Computer Sciences Department at the University of Wisconsin-Madison has embarked on a multi-year effort to significantly enhance the strengths of the department. As part of the endeavor we have multiple openings for tenure-track Assistant Professors in any area of Computer Science.

Applicants must have a Ph.D. in Computer Science or in a closely related field prior to the start of the appointment. Successful candidates will show potential for developing an outstanding and highly visible scholarly research program, as well as excelling in undergraduate and graduate teaching.

Applicants should submit a curriculum vitae, a statement of research objectives and sample publications, and arrange to have at least three letters of reference sent directly to the department. Electronic submission of all application materials is preferred (see <http://www.cs.wisc.edu/jobs-admissions/faculty-recruiting> for details).

Applicants are encouraged to submit their applications along with supporting material as soon as possible, but no later than January 15, 2014 to ensure full consideration.

The University is an Equal Opportunity/Affirmative Action employer and encourages women and minorities to apply. Unless confidentiality is requested in writing, information regarding the applicants must be released on request. Finalists cannot be guaranteed confidentiality. A criminal background check may be conducted prior to hiring.

For further information, send mail to recruiting@cs.wisc.edu.

Faculty Positions: Professors/Associate Professors/ Assistant Professors

The University of Wisconsin-Madison is a world-class academic institution with an international reputation for basic, applied, and cross-disciplinary research. It attracts scholars and students at all levels from around the world. Nationally, UW-Madison ranks fourth among all U.S. universities for research and development expenditures, exceeding \$950 million annually.

The Wisconsin Institute for Discovery (WID) at the University (www.wid.wisc.edu) invites applications for faculty openings in Optimization and its Applications. Multiple opportunities are available at the Assistant, Associate, or Full Professor level. Successful candidates will occupy a new state-of-the-art and centrally-located WID research facility specifically designed to spark and support cross-disciplinary collaborations.

Post-doctoral research experience and teaching experience is preferred but not required. Senior applicants must have demonstrated excellence in research, teaching, and service, and must possess experience and scholarly credentials suitable for appointment with tenure at the University of Wisconsin-Madison.

Applicants should submit a cover letter, curriculum vitae, teaching statement, and a statement of current and future research plans related to optimization and its applications. The full application, submitted as separate PDFs, should not exceed 10 pages and must be submitted through the application website: <https://optimization.discovery.wisc.edu/FacultyRecruiting>.

In addition, three reference letters from persons knowledgeable with the applicant's research, leadership and/or teaching abilities must be separately supplied through the application website.

For specific details regarding the Optimization positions, see: <http://www.ohr.wisc.edu/WebListing/Unclassified/PVLSummary.aspx?plnum=77887>.

Professional Opportunities

University of Wisconsin–Milwaukee

New Faculty Positions in the College of Engineering & Applied Science

The Computer Science faculty of the College of Engineering & Applied Science (CEAS) at the University of Wisconsin–Milwaukee invites applications for new tenure-track faculty positions at all ranks. This recruitment is part of an effort in CEAS to develop unique strength and capability in four research cluster areas: Biomedical and Health; Energy and Sustainability; Advanced Manufacturing; Water and Environment. The Computer Science Department has particular opportunities to contribute to these areas through candidates with research expertise in data science including analytics, mining, machine learning, large databases, and visualization; biomedical informatics; embedded systems; robotics; engineering of high reliability and robust software systems; security; and transformational games.

UWM is a doctoral/research extensive university and Wisconsin's premier public urban institution, offering a comprehensive liberal arts, sciences and professional education at the undergraduate and graduate level to its 28,000 students. The College of Engineering & Applied Science consists of six departments – Civil Engineering and Mechanics, Electrical Engineering, Computer Science, Industrial Engineering, Materials, and Mechanical Engineering, with ABET accredited programs. The College has more than 1,500 undergraduate students and over 300 graduate students, both Master's and Doctoral. Greater Milwaukee, the third-ranked manufacturing center in the United States, is home to 400+ engineering firms and 1300+ manufacturing firms with annual receipts of 24 billion dollars. The College has a long history of industrial collaboration and research support.

For more information and to apply for these positions please go to <http://www.uwm.edu/CEAS/employment>.

Screening begins on February 1, 2014 and will continue until the positions are filled.

UWM is an equal opportunity/affirmative action employer. Employment will require a criminal background check.

Vassar College

Department of Computer Science

Tenure-Track Position

The Department of Computer Science at Vassar College invites applications for a tenure-track position at the rank of Assistant Professor starting in the 2014-15 academic year.

Vassar is strongly committed to fostering a community that reflects the values of a liberal arts education and to promoting an environment of equality, inclusion and respect for difference. Vassar College is an affirmative action, equal opportunity employer, and applications from members of historically underrepresented groups are especially encouraged.

A commitment to excellence in undergraduate teaching and research is expected. The Ph.D. in Computer Science is required. Teaching responsibilities will include the following courses:

- Software Development
- Computer Organization
- Computer Architecture
- Operating Systems

Special consideration will be given to candidates with experience in inter-disciplinary research in either Computational Modeling and Simulation or Robotics. The position will include responsibility for developing a Computer Science course in one of these areas.

Vassar faculty members are committed teacher/scholars who bring research and creative discovery to life for students in classrooms, labs, and in individually mentored projects. Vassar College has built a strong undergraduate program in Computer Science. Introductory courses are taught using Scheme and Java. The department maintains Linux laboratories for introductory and advanced instruction. Faculty members are provided with workstations and laptops. For more information see <http://computerscience.vassar.edu/>.

Candidates are asked to submit a letter of application, C.V., graduate school transcript (unofficial copies accepted for initial application), three letters of recommendation, and a statement of teaching experience and philosophy. To apply, please visit <http://employment.vassar.edu/applicants/Central?quickFind=51550>.

Review of applications will continue until the position is filled. Please direct any questions about the position to Luke Hunsberger, Chair of the Computer Science Department (hunsberger@vassar.edu).

Virginia Commonwealth University

Electrical and Computer Engineering

Tenure/Tenure Track Faculty Position

The Department of Electrical and Computer Engineering at Virginia Commonwealth University invites applications for tenure-track faculty positions for Fall 2014. Candidates will be considered for positions at the Assistant, Associate or Full Professor level and must possess a Ph.D. in Electrical or Computer Engineering or a related discipline. The main area of interest is in embedded systems, including autonomous and collaborative vehicle control, intelligent medical devices and medical-related applications.

The department currently has 15 faculty members in the areas of solid state devices, communications, signal processing, and computer engineering. The faculty of the VCU School of Engineering is expected to double over the next five years. Additional information about the VCU School of Engineering is available at www.egr.vcu.edu.

Submit a single PDF attachment that includes a cover letter, resume, teaching statement, research statement and names of three references to eceseach@vcu.edu.

Full description available at: <http://www.pubinfo.vcu.edu/facjobs/facjobNew.asp?item=5242>.

Virginia Commonwealth University is an equal opportunity/affirmative action employer. Women, minorities, and persons with disabilities are encouraged to apply.



ASSISTANT PROFESSOR (2)

The Bradley Department of Electrical and Computer Engineering at Virginia Tech seeks applications for two tenure-track Assistant Professor positions.

One position is in Secure, Dependable Software and another in Wireless Communications and Networking.

Please visit www.ece.vt.edu for complete information and the application process. EO/AA

Professional Opportunities

Virginia Tech

Advanced Research Computing - Information Technology

Computational Scientist: High Performance Visualization

Advance Research Computing is looking to hire a Computational Scientist to support faculty and students to effectively implement high-performance visualization solutions such as cluster rendering, remote rendering and distributed visual analytic tools in a many-core and multi-node scientific computing environment. Provide technical consulting and user support: debugging, supporting application parallelization, performance tuning and innovation in the effective use of high-performance visualization resources. Install, maintain, and support for commercial and public domain software including workflow and data management tools for analytics. Develop science and engineering educational program (such as workshops and lecture series) for VT faculty and students. Pursue a research agenda and collaborate with other VT science and engineering faculty to create opportunities and projects for external grants.

To learn more about this position or to apply, please visit www.jobs.vt.edu and search for posting number #AP0130139.

Review of applications will begin on December 9, 2013.

Individuals desiring assistance or accommodation in the application process should call 540-231-9331 or 540-231-6258 TDD.

Virginia Tech is an Equal Opportunity/Affirmative Action Institution.

leads a group of computational scientists, currently at four positions, and reports to the Associate Vice President for Research Computing.

To learn more about this position or to apply, please visit www.jobs.vt.edu and search for posting number #AP013020.

Review of applications will begin on December 9, 2013. Individuals desiring assistance or accommodation in the application process should call 540-231-9331 or 540-231-6258 TDD.

Virginia Tech is an Equal Opportunity/Affirmative Action Institution.

Virginia Tech

Advanced Research Computing - Information Technology

Computational Scientist of High Performance Computing

The department of Advance Research Computing at Virginia Tech invites application for the Director of High Performance Computing (HPC) position. The Director of HPC provides vision, leadership, and strategic planning for high performance computing at Virginia Tech. The Director of HPC is a key leader in Advanced Research Computing (ARC), an innovative and interdisciplinary group within Information Technology that advances computational science, engineering, and technology. The Director of HPC fosters reliable and stable research computing systems, state of the art software and visualization tools, education and training offerings, and research collaborations. The Director of HPC leads a group of computational scientists, currently at four positions, and reports to the Associate Vice President for Research Computing.

To learn more about this position or to apply, please visit www.jobs.vt.edu and search for posting number #AP0130206.

Review of applications will begin on December 9, 2013. Individuals desiring assistance or accommodation in the application process should call 540-231-9331 or 540-231-6258 TDD.

Virginia Tech is an Equal Opportunity/Affirmative Action Institution.

Virginia Tech (www.cs.vt.edu)

Department of Computer Science

Faculty Positions

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. Applications must be submitted online to <http://jobs.vt.edu> reference posting #TR0130080 or use this direct link (www.cs.vt.edu/FacultySearch). 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. Applications must be submitted online to <http://jobs.vt.edu> reference posting #TR0130084 or use this direct link (www.cs.vt.edu/FacultySearch). 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

Professional Opportunities

faculty with strengths in multi-sensory interactive communication, ecologies of displays and devices, social/collaborative computing, and human aspects of data/information/knowledge. Applications must be submitted online to <http://jobs.vt.edu> reference posting #TR0130083 or use this direct link (www.cs.vt.edu/FacultySearch). 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). Applications must be submitted online to <http://jobs.vt.edu> reference posting #TR0130093 or use this direct link (www.cs.vt.edu/FacultySearch). 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 *US News and 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.

YaleNUS College

HIRING APPLIED MATHEMATICS, COMPUTER SCIENCE, OR STATISTICS FACULTY

The newly established Yale-NUS College (www.yale-nus.edu.sg) in Singapore, a collaboration between the National University of Singapore (NUS) and Yale University, seeks to hire two faculty members in any area of Applied Mathematics, Computer Science, or Statistics. The search is open with regard to rank. We are particularly interested in candidates who combine an active research agenda with interest in a collegiate liberal arts environment and a demonstrated commitment to creative and effective undergraduate teaching and mentoring.

Yale-NUS College seeks outstanding teacher-scholars, who are committed to innovative pedagogy and curriculum development, who are active researchers, and who enjoy closely mentoring students. Regardless of their field of specialization, candidates should be enthusiastic about contributing to an interdisciplinary common curriculum in the liberal arts.

Salary, benefits, and leave policies will be competitive at an international level. The College expects further rounds of hiring over the next few years as the student body increases. Yale-NUS College is committed to supporting faculty research through generous startup grants, annual research and travel budgets, and sabbatical leave.

For all general inquiries, please contact yale-nus.college@yale.edu. Review of applications will begin November 15th, 2013, and continue until the positions are filled.

The College values diversity and is committed to equality of opportunity. For additional information about Yale-NUS College and the faculty hiring process, including submission guidelines, and to apply, we invite you to our web site at: <http://www.yale-nus.edu.sg/prospective-faculty.html>