

# Computing Research News

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

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## 2014 CRA Outstanding Undergraduate Researcher Awards



This year's nominees were a very impressive group. A number of them were commended for making significant contributions to more than one research project, several were authors or coauthors on multiple papers, others had made presentations at major conferences, and some had produced software artifacts that were in widespread use. Many of nominees had been involved in successful summer research or internship programs, many had been teaching assistants, tutors, or mentors, and a number had significant involvement in community volunteer efforts.

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

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

### Pratiksha Thaker – Female Awardee

Senior at Massachusetts Institute of Technology



Pratiksha Thaker is a senior at the Massachusetts Institute of Technology in the Department of Electrical Engineering and Computer Science. Her research is the context of free form natural language commands given to a robot. Specifically, she modeled what clarifying question the robot should ask and how to combine the answer with the original command. She is

also working to model how humans can search rapidly a large hypothesis space. In addition to her research, Pratiksha is active in advising undergraduates and in working with high school students.

### Allison Pearce – Female Runner-Up

Senior at University of Pennsylvania



Allison Pearce is a senior at the University of Pennsylvania majoring in Computer Science. In her research she analyzed high-frequency oscillations recorded from the surface of the human brain to attempt to understand how seizures are generated. She created data visualization to show changes in the oscillations before, during, and after seizures and developed a method

to co-register MRI and CT data for 3D brain reconstruction. Allison is also working as a teaching assistant, helping students with difficult material.

### Daniel Stubbs – Male Awardee

Senior at University of Massachusetts Amherst

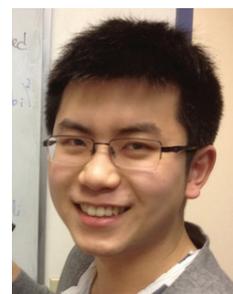


Daniel Stubbs is a senior at the University of Massachusetts Amherst in the Department of Computer Science. Daniel has an exemplary record of research in theoretical computer science, specifically in algorithms for data stream processing. He improved algorithms for computing statistics in randomly ordered streams of unknown length, reduced the space

needed to compute the earth mover distance problem, and created an algorithm for estimating matches of graphs in the case the graphs are not accessible in their entirety. Daniel is co-teaching a one-credit undergraduate computer science course for honors students.

### Kui Tang – Male Runner-Up

Senior at Columbia University



Kui Tang is a senior at Columbia University where he is majoring in Applied Mathematics. His research is highly multidisciplinary, spanning from algorithms for Markov Random Fields, to graph-theoretic methods for privacy-aware data mining, to a nonparametric model for neural imaging, and to a profiler for measuring performance of parallel programs and identifying bottlenecks.

Kui has been a teaching assistant, a judge for debate tournaments, and a leader in student organizations.

## Finalists and Honorable Mentions

### Finalists (Female)

Carolyn Anderson, Swarthmore College  
Victoria Lai, University of Maryland  
Katherine Pogrebniak, Princeton University

### Finalists (Male)

Alan Kuntz, University of New Mexico  
Tyler Sorensen, University of Utah  
David Turner, Texas A&M University

### Honorable Mentions (Female)

Diana Cai, Harvard University  
Jao-Ke Chin-Lee, Harvard University  
Jane Hoffswell, Harvey Mudd College  
Miranda Parker, Harvey Mudd College  
Leela Senthil Nathan, Brown University  
Hana Snow, Princeton University  
Martina Unutzer, University of Washington

### Honorable Mentions (Male)

Brandon Amos, Virginia Tech  
Noah Apthorpe, Princeton University  
Brian Brubach, Rutgers University, Camden  
Carlo del Mundo, Virginia Tech  
Ron Estrin, British Columbia  
Louis Li, Harvard University  
Aaron Lindsey, Texas A&M University  
Dylan Hutchison, Stevens Institute of Technology  
Robert MacDavid, Rutgers University, Camden  
Andrew Noyes, Cornell University  
Praneeth Satta, Johns Hopkins University  
John Sarracino, Harvey Mudd College  
Clifford Tawiah, University of Central Arkansas  
Muhammed Uluyol, University of Minnesota, Twin Cities  
Jack Weinstein, University of Illinois at Urbana-Champaign

### 2014 Sponsor: Mitsubishi Electric Research Labs

Mitsubishi Electric Research Labs and Microsoft Research are sponsors in alternate years.

### 2014 Selection Committee

This year's Selection Committee includes:

Maria Gini (University of Minnesota)  
*Chair*  
Eric Aaron (Vassar College)  
Janet Davis (Grinnell College)  
Michael Ernst (University of Washington)  
Miguel Labrador (University of South Florida)  
Tom Wexler (Oberlin College)

## Two CRA Board members named ACM Fellows



**Ellen Zegura:** For contributions to communication and computation in intermittingly-connected networks.



**Greg Morrisett:** For contributions to mathematically-based methods for ensuring the efficient implementation

and verification of practical programming languages.

View the press release at: <http://www.acm.org/press-room/news-releases/2013/fellows-2013>

## Nominees by Petition Sought for CRA Board

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

On January 10, 2014, the CRA Elections Committee announces its slate of nominees for a seat on the Board of Directors. CRA encourages nominations by petition as well. Petition nominations signed by the Designated Voting Representatives of at least five Constituent Member Organizations that are current in dues payment will be accepted until February 7, 2014.

A complete nomination package for petition candidates must reach CRA via e-mail ([elections@cra.org](mailto:elections@cra.org)) no later than February 7, 2014. E-mail submissions as Word attachments or in straight ASCII text are preferred. Separately, each of the five supporters of the petition should send an e-mail to [elections@cra.org](mailto:elections@cra.org) simply stating their support for the petition candidate to run for a seat on the CRA Board of Directors. Information on submitting petition nominations and nomination forms are available [here](#).



# CRA CONFERENCE AT SNOWBIRD

## JULY 20 – 22, 2014 ♦ SNOWBIRD, UTAH

### PRELIMINARY PROGRAM

**About the Snowbird Conference:** 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 (The 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.

Below is a preliminary program that will continue to be updated on the CRA website ([www.cra.org](http://www.cra.org)) as additional information becomes available. Online registration will open on the CRA website in April.

## Plenary Sessions

1. **Computing and the Human Experience** – Grady Booch (IBM Research)
2. **Surveillance and the Internet** – Peter Swire (Georgia Tech)
3. **Broadening the Computing Research Community** – Maria Klawe (Harvey Mudd College)
4. **Politics 2014 and What it Might Mean for Computing** – Peter Harsha (CRA)

**After Dinner Talk:** Computing Research Futures – Greg Hager (Johns Hopkins University) Chair

# CRA CONFERENCE AT SNOWBIRD

## JULY 20 – 22, 2014 ♦ SNOWBIRD, UTAH

### PRELIMINARY PROGRAM

## Parallel Sessions

There will be three parallel tracks: institutional policy, research, and education.

### Institutional Policy

The institutional policy sessions will focus on various issues that computing researchers face at each step in the pipeline: from recruitment of domestic PhD students, to postdocs, to hiring and promotion.

- Best Practices on Hiring Promotion and Scholarship – Fred Schneider (Cornell University)
- Care and Feeding of Postdocs – Robert Sproull (formerly Sun and Oracle Labs)
- Recruiting Domestic Students to PhD Programs: From Data to Recommendations – Ran Libeskind-Hadas (Harvey Mudd College) and Susanne Hambrusch (Purdue University)

### Research Sessions

The research sessions at Snowbird will focus on the challenges of big data to academia, industry, and government.

Acquiring data, dealing with privacy and intellectual property, sharing between institutions, publishing results in a way that analysis can be confirmed or refuted – all these can confound our current assumptions on how we do research and create impact on society. We will hear from leaders of academia, government, and industry on how they “do” big data research and what are the big data trends from cutting edge institutions and industries.

The workshop will also discuss the challenges of open access and the other coming publication models, which have the potential to change our metrics for research success and the business models of our professional societies.

- The Coming Publishing Models – Jack Davidson (University of Virginia) and Joe Konstan (University of Minnesota)
- Big Data Research: Academia and Industry – Laura Haas (IBM Research)

### Education Sessions

The education sessions will address two critical topics: the challenges and opportunities of Computer Science in K-12, and the creation of a culture of research around MOOCs and Online Education. The latter will consist of talks by pioneers of the MOOC movement, experts in understanding what can be learned from the data collected by instrumented online education, and representatives of the government agencies who will be funding the next generation of research that bridges the current divide between CS research and research into education.

- K-12 Education/code.org/Computing in the Core – Jan Cuny (NSF)
- CS Research on MOOCs & Online Education

## Additional Activities

### Additional Activities at Snowbird

CRA Board of Directors Meeting – July 19-20

Workshop for New Department Chairs – July 20

CRA Deans meeting – July 22-23

For program details and registration information,  
please see the CRA website: [www.cra.org](http://www.cra.org); email: [snowbird@cra.org](mailto:snowbird@cra.org);  
or call +1-202-234-2111

### 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).

## Ideas Lab: Unique funding mechanism inspires innovative, collaborative research proposals

By Maggie Dugan, Knowinnovation

*NSF launched new funding opportunity to explore using large data sets to improve STEM teaching and learning environments with a radically different funding mechanism – participation in an Ideas Lab workshop which is designed to foster novel, transformative, multidisciplinary approaches (and proposals).*

At lunch, the participants seemed lighter, relieved. Their 10-minute final pitches for funding behind them, the weight of all the work they'd done during the week was shed. The funding advisors were huddled in a conference room to discuss their recommendations; a final decision wouldn't be made until later. There was nothing to do but get a bite to eat and socialize with the others in the group, new colleagues who just four days ago were perfect strangers. This is what Fridays are like at an [Ideas Lab](#).

In October, 29 people gathered at the Emory University Conference center in Atlanta, hoping to get funded to do research on [data intensive learning to improve teaching and learning](#). Their backgrounds were varied; a deliberate attempt was made to invite participants from a broad spectrum of academic and business backgrounds. Participants applied to attend, which means they were prepared to clear a full five days from their schedules and throw their lots in with a group of people they didn't know, but with whom they'd have to partner in order to get funded. The amount of money on the table: \$3-5 million.

### The Ideas Lab

With the goal of inspiring more innovative and *multi-disciplinary* research proposals, the [Ideas Lab](#) (aka Sandpit) was conceived by the UK [Engineering and Physical Sciences Research Council](#) (EPSRC) in 2003. Knowinnovation helped with the early design, and we've been privileged to facilitate dozens of these workshops, known for being extremely intense, interactive and demanding. It's remarkable to witness what happens at an Ideas Lab: a group of highly intelligent people with broad academic and industrial expertise come together around a serious topic to redefine the challenge and generate novel ideas to address it. The [National Science Foundation](#) (NSF) conducted its first Ideas Lab in 2009, a collaboration with the EPSRC, on the application of synthetic biology. Subsequent Ideas Labs have included topics like enhancing photosynthesis; improving the nitrogen cycle; visualizing biological data; assembling, visualizing and analyzing the tree of life. Many UK and US research councils use the methodology; Knowinnovation has facilitated events for the [Technology Strategy Board](#) (TSB), the [Natural Environment Research Council](#) (NERC), the [National Institutes of Health](#) (NIH), the [Howard Hughes Medical Institute](#) (HHMI) as well as for the NSF and the EPSRC. We've even facilitated an astrobiology strategy workshop for [NASA](#).

It's not that research proposals solicited in a more traditional method haven't been innovative or produced good science. They have, and they still do, and not every research topic merits an Ideas Lab. But because the format involves a diverse group of people and forces them to catalyze, collide and collaborate, the output is often unique and innovative. Questions arise that wouldn't otherwise have been posed, and partnerships form between people from very different scientific disciplines, universities and stakeholder organizations. Part mix of people, part pressure, part incentive – the week ends up with a very dynamic collection of research teams and topics.



### The workshop week

Participants arrive for a Monday start and most of the first day is spent getting to know the talent and expertise in the room. We use a number of different activities to get people talking with each other so they learn more about how they might work together. On Tuesday, we explore the landscape of the challenge, often inviting experts and stakeholders to make presentations. We ask participants to listen to these presentations a bit differently, in order to get to questions and problems that we might not have asked the same way before. We take a lot of time to define the problem, because it's often redefining the question at hand that inspires novel ideas. Sometimes it isn't until mid-day Wednesday that groups begin to form around different problems and start generating ideas.

"I'm grateful, as a shy and more reserved person, that the process teased out our ideas in very comfortable, organic ways," said Niem Huynh, Ph.D., a Senior Researcher at the

Association of American Geographers, who attended the “Data Intensive” event. “People were allowed to express their ideas in a variety of situations and somehow, the facilitation allowed us to meet with the maximum number of different people possible.”

By the end of the day on Wednesday, very rough proposals are shaping up, but it’s still early; groups form and splinter and reform a number of times over the next two days. On Thursday, the working groups make several presentations of their thinking *so far*, and the rest of the group uses a peer feedback process to help enhance and critique the ideas to make them stronger. As a result, participants end up collaborating with people that they’re also competing against. It’s a bit awkward, sometimes, but amazingly, it

works. Solving the problem becomes a priority. In that way, everyone at the Ideas Lab contributes to the solutions, whether they individually are funded or not.

After the Ideas Lab, the groups with the most compelling ideas are given the nod. They have several weeks to put meat on the bones of their proposals and submit a more formal, comprehensive funding request based on the idea that came out of the Ideas Lab. Those who didn’t get selected for funding are a bit disappointed, surely, but we often hear from unfunded participants that despite the fact they won’t walk away with money, they significantly increased and enhanced their network of people and knowledge. And on many occasions, ideas born in an Ideas Lab are funded from other sources.

#### A different way to work

The methodology used for Ideas Labs and Sandpits isn’t for everyone. Not every topic lends itself to this type of pressure and competition. Not every academic can perform when thrust in this intense environment, which has been likened to that of Dragon’s Den. But the National Science Foundation, and the other research funders who’ve used it praise the innovative results, and at the end of the week, the participants are surprised at the ground they’ve covered in such a compact period of time.

“After the workshop,” said Huynh, “my views of idea ownership, the power of working with people with different backgrounds, and interest in creativity development have expanded.”



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## 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.

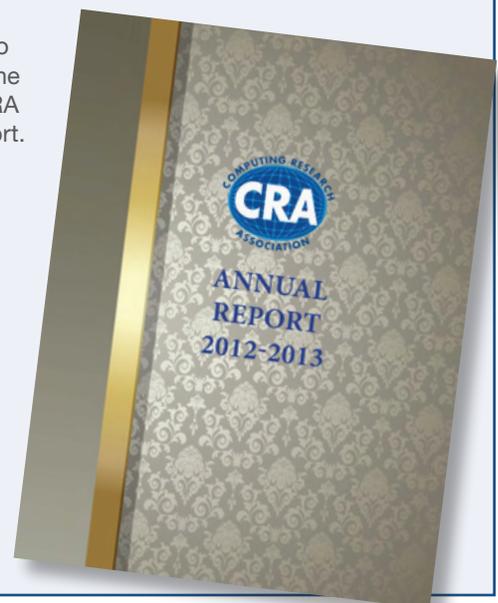
Please send a note to [craw\\_awards@cra.org](mailto:craw_awards@cra.org) indicating intent to submit.

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



## Download the 2012-13 CRA Annual Report Now

Click [here](#) to download the 2012-13 CRA Annual report.

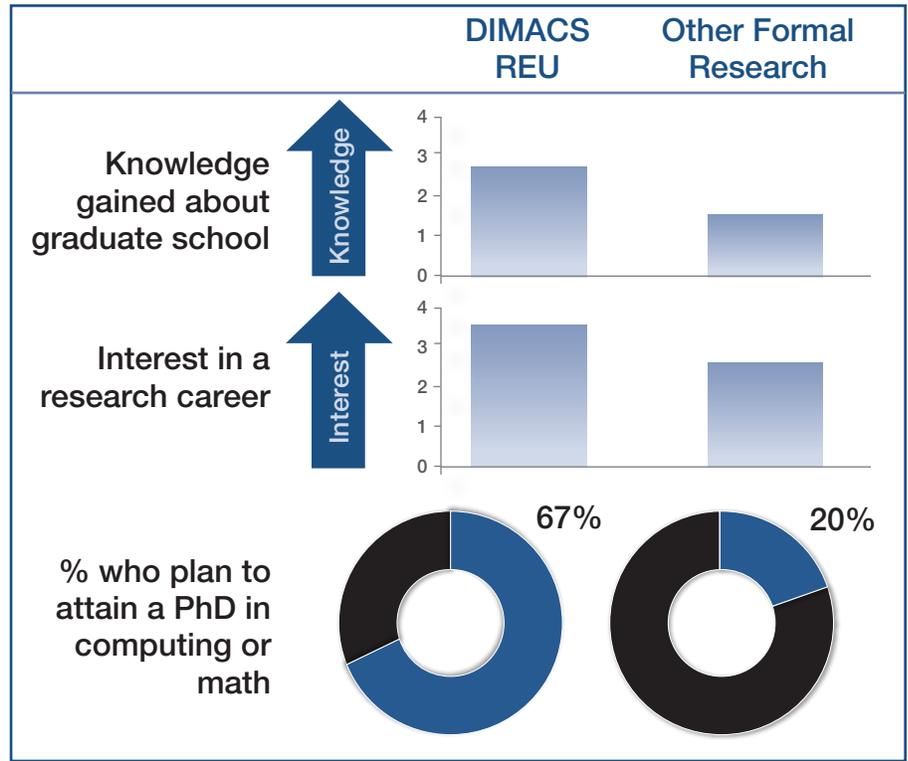


# Center for Evaluating the Research Pipeline Infographic

By CRA Staff

## Comparative Evaluation of the Center for Discrete Mathematics and Theoretical Computer Science (DIMACS) REU Program

As part of our comparative evaluation services, we compared critical outcomes of undergraduate computing students who had participated in the Center for Discrete Mathematics and Theoretical Computer Science (DIMACS) REU program to students who had other formal research experience. Students who had participated in the DIMACS REU program reported greater gains in knowledge about graduate school, more interest in pursuing a research career, and more motivation to attain a PhD in computing or math compared to non-DIMACS students who had other formal research experience,  $ps < .05$ .



*Note:* DIMACS students  $n = 12$ ; non-DIMACS students  $n = 30$ . **Other research experience** was defined as an intensive research project completed during the summer or school year at one's own institution, another institution, or as part of an internship. **Knowledge gained about graduate school** was measured by asking students how much knowledge they had gained from their research experience in the following areas: *what it is like to be a graduate student in computing; how to get financial support for graduate school; how to select the right graduate program for you; and criteria for admission to graduate program* (1=not more than I had - 4=quite a bit more; responses were averaged across the four areas). **Interest in a research career** was measured by asking participants *How interested would you be in having a computing job as a college/university professor; a researcher in industry or government* (1=strongly disinterested - 4=strongly interested; responses were averaged across the two jobs). **Education plans** were measured by asking students *What is the highest degree you plan to obtain*; students were provided with a full range of degree levels to choose from.



**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](mailto:cerp@cra.org) to learn more. Be sure to also visit our website at <http://cra.org/cerp/>.

## Expanding the Pipeline: SC13 Supercomputing Conference

By Geri Lamble, Santa Clara University and Mary Ann Leung, Sustainable Horizons, Inc.

On November 16, 2013, in Denver, CO, the Broader Engagement (BE) Program at the Supercomputing conference opened its doors the day before SC13 to begin this year's growing event. Kicking off the workshop, three key inclusion activities provided a solid introduction for newcomers to the SC experience.

The BE Program's goal is to increase the participation of individuals who have been traditionally under-represented in high performance computing (HPC). The program offers special activities to introduce, engage and support a diverse community in the conference and in HPC. Competitive grants are available to support limited travel to and participation in the SC13 Technical Program. This year the program supported 21 undergraduate students, eight masters students, 18 doctoral students, and 19 faculty/professionals. The themes of inclusion, technical/professional development

and fun are consistent targets that run through the fabric of the week's events for BE participants.

The BE program began with an Orientation session providing participants with an overview of the program goals, a sense of the SC community at large as well as introduction to key members of the SC conference committee. A fun interactive session led by Raquell Holmes from *improvscience* followed, engaging participants into communication and collaboration with the goal of creating a sense of community among the participants. Filling out the rest of the evening, a Joint BE/HPC Educators Networking session brought participants together to enjoy food and refreshments while sharing posters of their research or work in education and workforce development.

An opportunity like no other, the Broader Engagement Workshop provides access to leading experts in the HPC field through its technical session presentations. This year's speakers covered both emerging research topics as well as state of the art HPC applications. No other venue affords this small group setting for students to have access to so many leading experts in the field within a week's time span. The technical sessions included



**Karla Morris, Sandia National Labs  
Presenter for BE Technical Session  
"Platform-Agnostic Multiphase Flow  
Simulation via Fortran 2008 Coarrays"**

two plenary speakers, nine technical presenters, and a hands-on session. The participation of these presenters is a testament of their commitment to the development of our next generation researchers and contributors to the field of supercomputing. In addition to providing excellent technical information, presenters shared stories of their journeys including trials, tribulations, curves and bends in the road.

Back this year, one of the session highlights was a hands-on session with Damian Rouson and Sameer Shende leading the way by showing students how to exploit performance analysis using the TAU Performance System. Following a 'how-to' presentation, students worked in small groups loading the software configuration on their personal systems and utilizing the software to analyze performance.

Organized by Jeanine Cook, several professional development sessions



**Ritu Arora, Texas Advanced Computing Center BE Visualization  
Session Chair, with presenters Michael Driscoll, University of  
California, Rasmus Tamstorf, Walt Disney Animation Studios and  
Disney Research, and Kelly Gaither, UT Austin**

were held: Navigating a Computer Career, Building Your Technical Resume, and an HPC Careers and Networking Panel. These informal walkthroughs allowed interactive settings for student volunteers and BE participants to ask questions and to become more familiar with the career transition process. Led by SC12's General Chair, Jeff Hollingsworth, the session Journal Publishing 101, provided practical publishing pitfalls, practice, and guidelines.

And don't forget the Scavenger Hunt and all the great prizes! This year's program had twenty five sponsors contributing donations for the event with students 'scavenging' the Denver exhibits, meeting donor members and cultivating peer camaraderie...a great way to cement peer/sponsor developmental relationships that will serve as a springboard forward in their careers.

The Job/Opportunity Fair provided students and postdocs an opportunity to meet face-to-face with potential employers. Opportunities included positions at research labs, academic institutions, private industry as well as one-on-one sessions with recruiting agencies. Here students were able to learn about graduate fellowships, internships, summer jobs, co-op programs, graduate school assistantships as well as permanent employment placement. New for SC13, postdocs were also invited. Students and postdocs were also given the opportunity to submit their resumes for review by the Job/Opportunity Fair participants.

According to a study conducted by Mann and Taylor of Texas A&M University, more than half of the BE participants have at least one submission to the SC program with approximately 38 percent with an accepted submission. Most of the accepted paper submissions occur after participation in the BE program. The average paper acceptance rate over a five year period for BE

participants was slightly less than that for the main conference, however the rate was slightly higher for poster submissions by BE participants than for the main conference attendees. Looking to expand the advancement of Broader Engagement participants into the technical community of the conference, additional mentoring components have been added to the core program. Starting with SC13, pre-submission mentoring was made available to BE participants to help them prepare posters for submission to the main conference technical track, and hence get integrated with the larger SC community. Additionally, presentation assistance was made available on-site to help students with last minute preparation for their conference technical presentations.

'Get connected' and 'stay connected' are two key themes of the BE Workshop. Participants were invited to connect with peers, mentors, and recruiters on BE social media sites with the hope that these relationships will continue on into their professional career growth and development. Content related to opportunities and the SC conference is posted on these social media sites even after the conference is over.

True to its charter of connecting, supporting, and contributing to the BE community, the Mentor-Protégé program is a key activity for jumpstarting the development of professional connections for BE participants at the conference. The Mentor-Protégé event is initiated by the Broader Engagement committee in order to support the development of underrepresented professionals



*Pictured left to right: Kenneth Craft, Intel Corporation, LaQuinn Nimmons, Voorhees College, Tom Murphy, Contra Costa Community College, and Tony Baylis, Lawrence Livermore National Laboratory*

in HPC by creating opportunities for attendees to establish developmental professional relationships. By pairing fairly new SC participants with more experienced attendees the Mentor-Protégé program provides introduction, engagement and support. Beginning with a kick-off exercise of digital storytelling to facilitate introductions and orientations, Mentor-Protégé pairs then moved on to discuss both networking and technical development pathways to help BE newcomers integrate with the larger SC community.

A former BE protégé from 2009 SC Workshop shared his story about how his successful experience in the program led to his developing career and inspired him to give back by serving as a mentor in SC13. As this protégé's story unfolds he was a first time attendee to SC in 2009. With its record number of attendees of approximately 10,000 such an event can be overwhelming for any newcomer. The protégé indicated, "since I was not familiar with the conference, I immediately pounced upon the idea of having a mentor guide me through the conference." The protégé described how it was his mentor, assigned by BE, that helped

him navigate and find his way through his first SC experience. Not only that, the mentor exposed his protégé to careers in optimizing compilers. He indicated, “it was during these one on one exchanges that I got to know about careers in optimizing compilers. This was crucial, because after returning from the conference, I recalled my mentor’s advice and started looking for compiler jobs.” Today, 2013, that same participant is now happily employed by one of the largest compiler vendors in the industry. To top that off, some of the other PhD students within that protégé’s SC09 community are his collaborators today! During SC13 this successful protégé returned to the Mentor-Protégé program looking to give back to the HPC community as a mentor, coming full circle. The importance of the BE program and

Mentor-Protégé shines through his comments, “I really think the broader engagement program in general and its mentor-protégé aspect in particular helped me in choosing my current career path and in building my network within the HPC community. I hope to continue my engagement as long as possible.”

It is success stories such as these that BE hopes to inspire. The next Broader Engagement program will be held in New Orleans for SC14. We welcome volunteers to serve as mentors, participate in the Scavenger Hunt, serve on the organizing committee, and provide funds to support the program. Look for announcements about the program and application in summer 2014.

### About the Authors

*Gerri Lamble* was the SC13 Chair for the Mentor-Protégé program. She is currently a re-entry engineering graduate student at Santa Clara University and a long standing STEM advocate particularly interested in representing returning mothers to the technical career workforce.

*Mary Ann Leung* was the SC13 Deputy Chair and will be the Chair for the SC14 Broader Engagement program. She is president of Sustainable Horizons, whose mission is to build sustainable connections between students and science, technology, engineering, and mathematics (STEM) by supplying the basic, visible supports students need to participate and achieve with an eye towards celebrating difference as a key ingredient to innovation and discovery.

## Updates from the CCC



The Computing Community Consortium (CCC) has spent the first half of the academic year ramping up its activities for the computing research community.

In the beginning of the year, CCC released two requests for

proposals: one for the Implementation of Best Practices for Postdocs in our field and one for new Visioning Activities. Both programs received submissions that are currently being reviewed. Look for announcements in both of these areas on the CCC blog in the coming weeks. Also, please keep in mind that we can accept proposals for Visioning Activities (<http://cra.org/ccv/visioning/creating-visions-for-computing-research>) throughout the year. If you have a great idea for a workshop, please submit it.

*“You can and should shape your own future; because if you don’t someone else surely will.”  
(Joel Barker, a noted futurist).*

The computer science community has a track record of shaping the future via compelling visions unencumbered by our past successes. The CCC facilitates this via special tracks in conferences to encourage researchers to think **out-of-the-**

**box** and share their “blue-sky” ideas through a sponsored forum at traditional conferences.

In the past, such conference tracks used a variety of names leading to peripheral debates regarding the differences across alternative names. To convey the unity of purpose of these tracks, the CCC has renamed our support of these conference tracks as the Blue Sky Ideas Conference Track.

Please visit the website (<http://cra.org/ccv/visioning/blue-sky>) to learn more about the Blue Sky Ideas Conference Track and how you can bring it to your conferences.

As reported in the September CRN, the CCC is continuing its work with Postdocs in Computer Science. In addition to the Best Practices program referenced above, CCC is holding a workshop for all former CIFellows in May. This will be an opportunity to bring the former

Fellows together to learn from each other and luminaries in the computing field as they move through their own research careers. Peter Lee, Head of Microsoft Research, Farnam Jahanian from NSF, and Megan Smith from Google[x] will be there!



# Workshop on Opportunities in Robotics, Automation, and Computer Science

## From the CCC Blog

Manufacturing currently comprises about 12% of the US GDP – roughly 1.8 trillion USD. Although there is a perception (and some truth) to the fact that manufacturing is leaving the US for low wage countries, there are many manufacturers that are interested in innovating in ways that would grow manufacturing (and jobs!) in the US. There are many efforts, such as the recently announced [National Network for Manufacturing Initiative](#) (NNMI), to accelerate this trend.

How can the robotics and computing research communities support these efforts? To answer this question, the [Robotics VO](#), [National Science Foundation](#) (NSF), The White House [Office of Science and Technology Policy](#) (OSTP), and the [Computing Community Consortium](#) (CCC) brought together 28 participants from industry, academia and government to discuss opportunities in advanced manufacturing for robotics, automation and computer science October 21, 2013, at the White House Conference Center.

The goal of the workshop was to frame a set of concrete problems that could be used to guide academic basic and applied research that would support

advances in manufacturing. The workshop began with participants from industry sharing their thoughts on these four questions:

1. What are concrete examples of the “pain” in your industry sector and how could robotics and computer science address them?
2. What could be done to improve availability or effectiveness of your human resources?
3. How do you envision the industry changing in the next 10 years, both in terms of product and in terms of production?
4. What is your ideal model for academia/research to address these challenges?

Groups of participants spent the day brainstorming and discussing these issues from multiple perspectives, with an emphasis on short term as well as long term goals for research and development to promote US competitiveness in manufacturing. Several themes emerged. One theme that resonated throughout the day was the need to “automate automation” – the streamlining of the design of assembly lines and the deployment of robots to reduce the time to start production, independent of the product mix or volume. This in turn points to the

need for research and development on model-based design, simulation and analysis for manufacturing automation enabling the optimal setup, design, and implementation of new assembly lines. Another theme was “missing middleware” that makes it difficult to generalize from successful deployments of components for specific tasks and transfer solutions across different manufacturing equipment and products. Finally, there was extensive discussion of novel models of collaboration that could give academia more immediate access to relevant problems faced in manufacturing automation and lead to a successful collaborative research and development program.

A final report from this workshop will be developed before the end of the year, with proposed initiatives to create better methods of collaboration that would provide concrete problems for proposals submitted to the updated National Robotics Initiative (NRI) [solicitation](#).

This post was written with contributions from Henrik Christensen from Georgia Tech, Vijay Kumar from the Office of Science and Technology Policy and Greg Hager from Johns Hopkins University.

## Congress Ends 2013 with Budget Agreement that Averts Shutdown, Relaxes Sequester, Gives Hope to Researchers

By Peter Harsha, CRA Director of Government Affairs

Before Congress wrapped up its work for 2013 and headed home for the December holidays, House and Senate lawmakers reached [an agreement](#) on FY 2014 and FY 2015 budget numbers that would avert sequester levels by providing about \$63 billion of cap relief over both years. The agreement, brokered by House Budget Chair Paul Ryan (R-WI) and Senate Budget Chair Patty Murray (D-WA), provides sequester relief that includes an additional \$22 billion for non-defense discretionary spending in FY 2014 and \$19 billion in FY 2015, meaning that appropriators will have some added room to provide funding for federal science agencies like the National Science Foundation, National Institutes of Health, National Institute of Standards and Technology and Department of Energy, should they choose to.

The agreement – adopted over objections from conservative Republicans in both chambers who felt it increased spending too much and some Democrats who felt it cut benefits for some federal programs too sharply – averts a government shutdown

in January and allow appropriators to move forward with an omnibus appropriations bill for most of the outstanding FY 2014 appropriations, something they have indicated they'll do with 12 of the 14 bills, perhaps as soon as the second week of January. Maybe more importantly, the agreement sets the caps for FY 2015 as well, allowing appropriators to begin work on FY 2015 bills on schedule, knowing the House and Senate are working from the same set of numbers for the first time in many years, and with a reasonable expectation that they might actually get some of the bills done in regular order – something they haven't done in nearly two decades.

There's enough to hate in [the agreement](#) for both parties, which is a pretty good indication that it's a decent compromise. Both Ryan and Murray spoke about the agreement as being an essential piece of Congress reasserting its power of the purse, something it had abdicated to the Administration with the sequester deal (where the Administration got to make the decisions about how the cuts fell on programs at agencies), and both emphasized that it was an important

step in changing the crisis-to-crisis mode of legislating that Congress has adopted of late.

So, some good news about budget after many, many months/years of frustrating developments. We're nowhere near out of the brutal budget climate that has pervaded for the last few years, but perhaps there's a small bit of sanity that's beginning to emerge. The budget compromise sets the stage for resolution of FY 2014 appropriations, which may happen as soon as mid-January, and also allows some progress on efforts to reauthorize the *American COMPETES Act*, legislation that authorized federal investments in research at NSF, NIST and DOE. With some certainty over the budget caps for FY 2014 and FY 2015, House Science, Space and Technology Committee Chair Lamar Smith (R-TX) is expected to add funding levels to draft legislation for the agencies, providing guidance for appropriators in FY 2014 and beyond. When those funding levels are known, or when Congress takes up the FY 2014 appropriations, we will bring you the details.

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## Mosley Joins CRA Policy Staff!



CRA is pleased to announce that Brian Mosley has joined its staff as a Policy Analyst. In this position, Brian will track a number of issues of importance to the computing community, including Robotics R&D, STEM Education issues, and policies surrounding Open Access and Open Data efforts at the Federal level.

He'll also be a part of CRA's efforts to engage more computing researchers in the policy process like CRA's Fall Congressional Fly-in and the CRA/CCC Leadership in Science Policy Institute, and work closely with

CRA's Director of Government Affairs, Peter Harsha, on the rest of the CRA issues portfolio.

Brian comes to CRA with over seven years experience in government affairs in technology & innovation policy, science and energy research, and STEM education with the Washington Office of the American Physical Society and in Congress. In his spare time, he's an accomplished amateur photographer with multiple photographs having been displayed in juried art shows. He's a graduate of St. Mary's College of Maryland with a B.A. in History and Political Science.

## CRA Announces Two New Board Members

There are two new additions to the CRA Board of Directors. As of January 1, 2014, Andrew Sears, is the new ACM Representative, replacing Norm Jouppi. Ken Barker (University of Calgary) is the new CACS/AIC Representative, replacing Tamer Öszu. Their bios are below. CRA thanks Jouppi and Öszu for their service.

### Ken Barker



Ken Barker is the Dean of the Faculty of Science and a Professor of Computer Science at the University of Calgary. He served as the Department Head of Computer Science for nine years before his appointment as Dean. In addition to holding a Ph.D. in Computing Science from the University of Alberta (1990) he has 25 years of experience working with

industrial computer systems, fifteen years of consulting experience in the design of commercial databases, and a particular interest in system integration, distributed systems, and the privacy and security of data repositories. As the director of research laboratories at the Universities of Calgary and Manitoba he has supervised over 50 graduate students, in addition to several post-docs and research assistants. Dr. Barker has published in excess of 225 peer reviewed

publications in areas as diverse as distributed systems, software engineering, transaction systems, simulations, privacy and security.

### Andrew Sears



Dr. Andrew Sears is a professor and Dean of the B. Thomas Golisano College of Computing and Information Sciences at the Rochester Institute of Technology. Dr. Sears' research explores issues related to human-centered computing and accessibility. His research projects have addressed issues associated with mobile computing, health information

technologies, speech recognition, managing interruptions while working with information technologies, and assessing an individual's cognitive status via normal daily interactions with information technologies. Dr. Sears' research has been supported by various industry leaders, government agencies, and foundations, including IBM, Intel, Microsoft, Motorola, the National Science Foundation (NSF), the National Institute on Disability and Rehabilitation Research (NIDRR), the National Institute of Standards and Technology (NIST), and the Verizon Foundation.

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## CCC Chair Susan Graham is named to the President's Council of Advisors on Science and Technology



President Barack Obama has [announced](#) his intent to nominate two new members to the [President's Council of Advisors](#)

[on Science and Technology](#) (PCAST). The new appointees are [J. Michael McQuade](#), Senior Vice President of Science and Technology at United Technologies Corporation and [Susan L. Graham](#).

Graham is the current Chair of the [Computing Community Consortium](#) (CCC). She has been a key leader

with the CCC since its inception in 2006. Graham is the Pehong Chen Distinguished Professor of Electrical Engineering and Computer Science Emerita at the University of California, Berkeley. She received the A.B. in mathematics from Harvard University and the Ph.D. in computer science from Stanford University. Her research spans many aspects of programming language implementation, software tools, software development environments, and high-performance computing.

PCAST is an advisory group of the nation's leading scientists and engineers who directly advise the President and

the Executive Office of the President. PCAST makes policy recommendations in the many areas where understanding of science, technology, and innovation is key to strengthening our economy and forming policy that works for the American people. The CCC congratulates Graham and knows she will be a great addition to the Council.

## ITiCSE 2014

*19th Annual Conference on Innovation and Technology in Computer Science Education, June 23-25, 2014, Uppsala, Sweden.*

ITiCSE 2014, the 19th Annual Conference on Innovation and Technology in Computer Science Education, will take place in Uppsala, Sweden, hosted by Uppsala University. The ACM Special Interest Group on Computer Science Education (SIGCSE) is sponsoring the event.

The conference program includes keynote lectures, paper sessions,

panels, working groups, tips and techniques, courseware demonstrations, posters, and exhibits. The conference also features opportunities to partake in excursions enabling attendees to see some of the surrounding district and mingle in a less intense and formal environment.

### Submissions

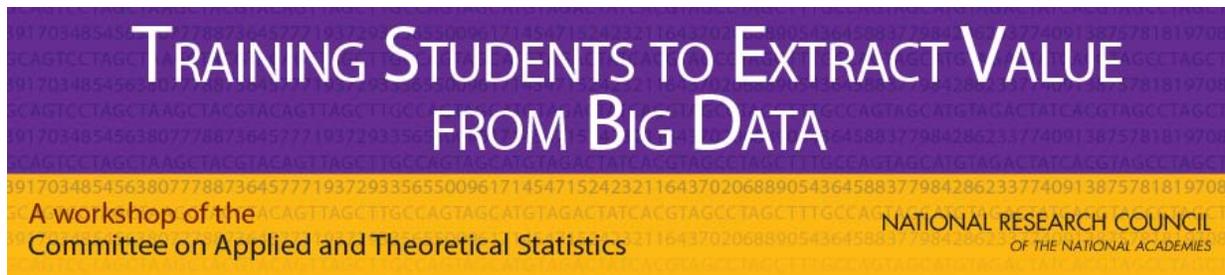
They welcome submissions that deal with the use of technology in computer science teaching and learning, innovations in the practice of teaching computer science, and computer

science education research. They especially invite submissions related to the special theme of the conference: *Learning for Life*.

The official language of the conference is English, and all submissions must be original work. The entire proceedings will be available in the ACM Digital Library.

[The conference submission system is now open.](#) Please see the [submission guidelines](#).

Deadline: January 12, 2014



**TRAINING STUDENTS TO EXTRACT VALUE FROM BIG DATA**

A workshop of the Committee on Applied and Theoretical Statistics

NATIONAL RESEARCH COUNCIL OF THE NATIONAL ACADEMIES

You are invited to attend a workshop on **Training Students to Extract Value from Big Data**, hosted by the Committee on Applied and Theoretical Statistics of the National Research Council of the National Academies.

What are the key principles of a big data curriculum?

How can big data courses serve an interdisciplinary audience?

What are the best resources for students?

These and other questions will be addressed in a series of presentations and discussions.

**Attend in person or online.**

**Friday, April 11, 2014**

**8:30 a.m. - 4:45 p.m.**

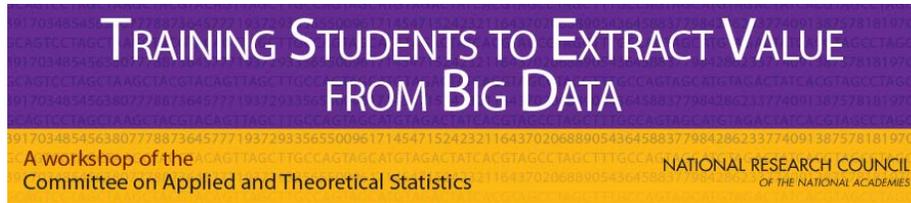
**Saturday, April 12, 2014**

**9:00 a.m. - 1:00 p.m.**

Room 100

Keck Center of the National Academies

500 5th St NW, Washington, DC 20001



## PRELIMINARY AGENDA

April 11<sup>th</sup>

8:30-11:30 **The Need for Training: Experiences and Case Studies**

*Chair: Robert Groves, Georgetown University*

11:30-12:30 Lunch

12:30-2:30 **Principles for Working with Big Data**

*Chair: Rachel Schutt, Columbia University*

2:30-2:45 Break

2:45-4:45 **Courses, Curricula, and Interdisciplinary Programs**

*Chair: Jim Frew, University of California, Santa Barbara*

April 12<sup>th</sup>

9:00-11:00 **Shared Resources**

*Chair: Deepak Agarwal, LinkedIn*

11:00-1:00 **Panel Discussion**

*Chair: Rob Kass, Carnegie Mellon University*

Organizing Committee: John Lafferty (co-chair), Raghu Ramakrishnan (co-chair), Deepak Agarwal, Corinna Cortes, Jeff Dozier, Robert Kass, Anna Gilbert, Rafael Irizarri, Patrick Hanrahan, Prabhakar Raghavan, Nathaniel Schenker, Ion Stoica

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This event is free and open to the public, but space is limited.

Whether attending in person or online, [click here](#) to RSVP by **Friday, April 4**.

Email [Neal Glassman](#) for more information.

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# Professional Opportunities

## Boston College

### Computer Science

#### Tenure Track Assistant Professorship

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

We will begin reviewing applications on December 1, 2013, and will continue considering applications

until the position is filled. Additional information about the department and the position is available at [www.cs.bc.edu](http://www.cs.bc.edu).

Submit applications online at [apply.interfolio.com/22805](http://apply.interfolio.com/22805).

## Bowling Green State University

### Up To Two Tenure-Track Positions in Computer Science

We are seeking applicants for tenure-track positions at the assistant professor level to teach a variety of courses at the undergraduate and graduate levels and

be productive in scholarly research and sponsored projects. Preferred area of specialization is software engineering, including but not limited to: software requirements, software architecture and design, software testing and quality management, software project management, software maintenance, software assurance, design patterns, usability engineering and user interface design. Applicants must hold a Ph.D. or equivalent in CS or a closely related field (or to have completed the requirements for the degree before August 13, 2014), and be committed to excellence in teaching, scholarly research, and obtaining external funding. BGSU offers a small town atmosphere with easy access to Columbus, Detroit, and Ann Arbor. BGSU is an AA/EEO employer and encourages applications from women, minorities, veterans, and individuals with disabilities.

Email a letter of interest, along with curriculum vitae, statement of teaching philosophy and research agenda, contact information for three professional references, and copies of all transcripts by Sunday, January 12, 2014 to [cssearch2014@cs.bgsu.edu](mailto:cssearch2014@cs.bgsu.edu). For finalists, three current letters of reference, an official transcript of the highest degree, and a background check are required.

For details, go to <http://www.bgsu.edu/departments/compsci/jobs>.



## Arizona State University Faculty Positions

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

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

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

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

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

## 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/>.

# Professional Opportunities

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 Gatterly of the Computer Science Department at [gatterly@bucknell.edu](mailto:gatterly@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 Polytechnic University, Pomona

**Computer Science Department –**  
<http://www.csupomona.edu/~cs/>  
**Tenure-Track Position**

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

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

Cal Poly Pomona is an Equal Opportunity, Affirmative Action Employer. Position announcement available

at: <http://academic.csupomona.edu/faculty/positions.aspx>. Lawful authorization to work in US required for hiring.

## 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.

## Caltech

**Center for the Mathematics of Information**  
**CMI Postdoctoral Fellowship Program**

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

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

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

## Carnegie Mellon University

**Computer Science Department**  
**Teaching Track Positions**

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

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

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

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

Please send your applications and accompanying materials to:

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

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

## Carnegie Mellon University

**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>.

# Professional Opportunities

## Carnegie Mellon University

*School of Computer Science*

*Faculty Positions*

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

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

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

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

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

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

## 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](http://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



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](mailto: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](mailto: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

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/EOE Employer. (Pos. #362)

## Clemson University

### Assistant Professor in Computer Science

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

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

For more information and to apply please visit: [https://cubshr9e.clemson.edu/psp/hpprd/EMPLOYEE/HRMS/c/HRS\\_HRAM.HRS\\_CE.GBL?Page=HRS\\_CE\\_JOB\\_Dtton=A&JobOpeningId=12819&Siteld=1&PostingSeq=1](https://cubshr9e.clemson.edu/psp/hpprd/EMPLOYEE/HRMS/c/HRS_HRAM.HRS_CE.GBL?Page=HRS_CE_JOB_Dtton=A&JobOpeningId=12819&Siteld=1&PostingSeq=1).

## Clemson University

### School of Computing

#### Multiple Post-Doctoral Research Fellow Positions

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

Detailed information about each position and

instructions for how to apply are available at [www.clemson.edu/computing/faculty-openings.html](http://www.clemson.edu/computing/faculty-openings.html).

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

## Clemson University

### Sensor Engineer

#### JOB PURPOSE:

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

#### JOB FUNCTIONS:

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

#### QUALIFICATIONS:

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

#### HOW TO APPLY:

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

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

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

## Clemson University/College of Engineering and Science

### Holcombe Department of Electrical and Computer Engineering

#### C. Tycho Howle Endowed Chair in Collaborative Computing Environments

Applications and nominations are sought for the C. Tycho Howle Chair in Collaborative Computing

*Environments.* The endowed position will be filled by an individual who merits the rank of Professor with tenure and who has an internationally recognized record of outstanding scholarship. Outstanding candidates in all areas of computing will be considered; particularly desirable research areas include high-performance computing, computer vision, networking, cyber security, software/data-enabled science, and ubiquitous computing. The person filling the Chair will hold a faculty position in the Holcombe Department of Electrical and Computer Engineering. A joint appointment with the School of Computing may also be possible. The holder of the Chair is expected to maintain affiliation and close collaboration with computing researchers across the campus, including participation in the Clemson University CyberInstitute.

The CyberInstitute is a multi-disciplinary, university-wide research initiative spanning topics that address or utilize cyber infrastructure. The Holcombe Department of Electrical and Computer Engineering is one of the largest and most active at Clemson, with over 40 faculty members, approximately 540 undergraduates and 180 graduate students. The School of Computing includes more than 40 faculty members, approximately 500 undergraduates and 220 graduate students.

Clemson University is the land-grant institution for the State of South Carolina enrolling approximately 16,000 undergraduates and 4,200 graduate students. Five interdisciplinary colleges house strong programs in architecture, engineering, science, agriculture, business, social sciences, arts and education. A faculty of 1,400 and staff of 3,000 support 84 undergraduate degree offerings, 73 master's degree programs and 40 Ph.D. programs. An annual operating budget of approximately \$815 million and an endowment of \$416 million fund programs and operations. The University's externally funded research expenditures surpassed \$100 million the past two years. Research and economic development activities are enhanced by public-private partnerships at three innovation campuses and six research and education centers located throughout South Carolina.

Today, Clemson University is ranked 21st among national public universities by *U.S. News & World Report*, and remains true to its roots as a science- and engineering-oriented research university with a strong commitment to teaching and student success. Clemson University is described by students and faculty as an inclusive, student-centered community characterized by high academic standards, a culture of collaboration, school spirit and a competitive drive to excel.

Applicants must have an earned doctorate in computer engineering, computer science, electrical engineering, or a closely related field. Applicants should submit a current curriculum vitae and

## Professional Opportunities

a minimum of five references with full contact information. Electronic submissions (PDF files) to [ecfacsearch@clemsun.edu](mailto:ecfacsearch@clemsun.edu) are preferred, but applications and nominations can also be mailed to ECE Faculty Search, 105 Riggs Hall, Clemson University, Clemson, SC 29634, USA. Application material must be received by January 31, 2014 to receive guaranteed consideration, though the search will remain open until the position is filled.

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

### 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 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

form 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,



## COLUMBIA | ENGINEERING

The Fu Foundation School of Engineering and Applied Science

### Faculty Positions in Computer Science

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

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

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

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

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

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

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

# Professional Opportunities

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

## Colorado College

*Department of Mathematics and Computer Science*

*Tenure Track Assistant Professor*

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

We urge interested individuals to begin the application process at their earliest opportunity, online at: <https://employment.coloradocollege.edu>.

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

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

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

## Colorado State University

*Department of Computer Science*

*Tenure Track Faculty in Computer Science*

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

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

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

## Columbia 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.

## Professional Opportunities

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.

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.

### Drexel University

#### College of Computing & Informatics

#### Faculty Positions

Drexel University's new College of Computing & Informatics ([cci.drexel.edu](http://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/>).

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



DREXEL UNIVERSITY  
College of  
**Computing &  
Informatics**

### Drexel University College of Computing & Informatics Teaching Faculty Positions

Drexel University's new College of Computing & Informatics ([cci.drexel.edu](http://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](http://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](http://drexel.edu/cci)

# Professional Opportunities

## 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 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](http://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](http://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](mailto: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](http://apcentral.collegeboard.org/applytoread).

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## ETH Zurich

*Assistant Professorships (Tenure Track) in  
Computer Science*

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

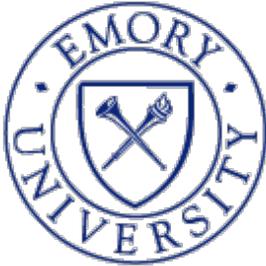
- Computer Systems
- Software Engineering
- Information Systems (with emphasis on Big Data)

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

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

Applicants should have internationally recognized expertise in their field and pursue research at the forefront of Computer Science. Successful candidates should establish and lead a strong

## Professional Opportunities



### Faculty Positions in Data Science

EMORY UNIVERSITY  
Atlanta, Georgia

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

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

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

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

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

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

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

## Professional Opportunities

research program. They will be expected to supervise Ph.D. students and teach both undergraduate level courses (in German or English) and graduate level courses (in English).

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

Please apply online at [www.facultyaffairs.ethz.ch](http://www.facultyaffairs.ethz.ch).

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

### Florida International University

#### Tenure-Track and Tenured Faculty Positions

Florida International University is a comprehensive university offering 340 majors in 188 degree programs in 23 [colleges and schools](#), with innovative [bachelor's, master's and doctoral](#) programs across all disciplines including medicine, public health, law, journalism, hospitality, and architecture. FIU is Carnegie-designated as both a research university with high research activity and a community-engaged university. Located in the heart of the dynamic south Florida urban region, our multiple campuses serve over 50,000 students, placing FIU among the ten largest universities in the nation. Our annual research expenditures in excess of \$100 million and our deep commitment to engagement have made FIU the go-to solutions center for issues ranging from local to global. FIU leads the nation in granting bachelor's degrees, including in the STEM fields, to minority students and is first in awarding STEM master's degrees to Hispanics. Our students, faculty, and staff reflect Miami's diverse population, earning FIU the designation of Hispanic-Serving Institution. At FIU, we are proud to be 'Worlds Ahead'! For more information about FIU, visit [fiu.edu](http://fiu.edu).

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

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

We seek outstanding candidates in all areas of Computer Science and researchers in the areas of compilers and programming languages, computer



ÉCOLE POLYTECHNIQUE  
FÉDÉRALE DE LAUSANNE

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

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

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

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

### Faculty Positions in Computer Science Ecole polytechnique fédérale de Lausanne

To apply, please follow the application procedure at <https://academicjobsonline.org/ajob/3050>.

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

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

[recruiting.ic@epfl.ch](mailto:recruiting.ic@epfl.ch)

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

EPFL is an equal opportunity employer.



### 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](mailto:fxpalresumes@fxpal.com). We are an equal opportunity employer, and value diversity in the workplace.

## Professional Opportunities

architecture, databases, information retrieval and big data, natural language processing, and health informatics, are particularly encouraged to apply. Candidates from minority groups are encouraged to apply. Preference will be given to candidates who will enhance or complement our existing research strengths.

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

Florida International University (FIU) is the state university of Florida in Miami. It is ranked by the Carnegie Foundation as a comprehensive, doctoral research university with high research activity. The School of Computing and Information Sciences (SCIS)

is a rapidly growing program of excellence at the University, with 36 faculty members and over 1,800 students, including 80 Ph.D. students. SCIS offers B.S., M.S., and Ph.D. degrees in Computer Science, an M.S. degree in Telecommunications and Networking, and B.S., B.A., and M.S. degrees in Information Technology. SCIS has received approximately \$19.6M in the last four years in external research funding, has 14 research centers/clusters with first-class computing infrastructure and support, and enjoys broad and dynamic industry and international partnerships.

### HOW TO APPLY:

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

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

### 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](http://Payscale.com) and [www.Affordablecollege.com](http://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.



### 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](mailto:fxpalresumes@fxpal.com). We are an equal opportunity employer, and value diversity in the workplace.

# Professional Opportunities

## Georgia Institute of Technology

### College of Computing

#### Tenure-Track Faculty Positions

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

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

Application materials should be submitted online: <https://academicjobsonline.org/ajo/jobs/3410>.

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

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

## Georgia Institute of Technology

### School of Computer Science

#### Tenure-Track Faculty Positions

The School of Computer Science in the College of Computing at the Georgia Institute of Technology invites applications for tenure-track faculty positions. We are primarily seeking junior-level candidates at the Assistant Professor level. Truly exceptional candidates at the Associate and Full Professor level may also

be considered. Applicants should have completed or be near completion of a Ph.D. in computer science or a related field and should demonstrate potential for excellence in research and teaching. The School of Computer Science, one of three schools in the College of Computing, focuses on research that makes computing and communication smart, fast, reliable, and secure, with research groups in computer architecture, databases, machine learning, networking, programming languages, security, software engineering, systems, and theory. We seek candidates that can add to or enhance the current research areas of the school, with particular interest for candidates in the systems area and candidates who bridge research areas.

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

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

## Georgia Institute of Technology

### Tenure-Track Faculty Positions

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

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

Applications will be considered until open positions are filled. However, to receive full consideration; applications should be submitted online through

<https://academicjobsonline.org/ajo/jobs/3274>

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

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

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

## Georgia State University

### Open Rank Tenure Track Positions in Transcultural Conflict and Violence

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

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

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

# Professional Opportunities

## HackerRank.com

### Open Positions

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

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

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

Email us at: [hackers@hackerrank.com](mailto:hackers@hackerrank.com).

## 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.

## Harvey Mudd College

### Computer Science Department

#### Tenure-Track Assistant Professorships

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

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

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

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

Applicants should apply with a cover letter describing their interest in teaching specifically at Harvey Mudd College, a curriculum vita, a statement regarding teaching philosophy and experience, any supporting materials such as teaching evaluations, and a

statement of research interests. Concurrently, please request three references to submit letters via using the secure web-based system <https://academicjobsonline.org/ajo/jobs/3190>. It is desirable that at least one letter address the candidate's potential as a teacher. Applications received by December 15, 2013 will receive full consideration. Questions about the position can be addressed to Professor Robert M. Keller, at [cssearch@cs.hmc.edu](mailto:cssearch@cs.hmc.edu).

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

## Hendrix College

### Department of Mathematics and Computer Science

#### Assistant Professor of Computer Science

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

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

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

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

# Professional Opportunities

## 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](mailto:CS_Chair_Search@iit.edu).

For additional information, please visit: [http://cos.iit.edu/cs\\_chair\\_search](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](mailto:whitec@iit.edu)

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



## SCHOOL OF INFORMATICS AND COMPUTING

INDIANA UNIVERSITY  
Bloomington

### Lecturer Position in Computer Science

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

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

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

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

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

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

## IMDEA Software Institute

### Faculty Positions

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

- Software engineering
- Systems
- Cloud computing
- Big data

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

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

# Professional Opportunities

## Selection Process

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

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

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

## Salaries

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

## Work Environment

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

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

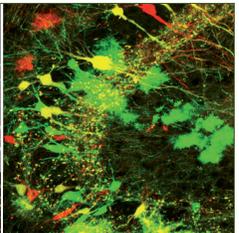
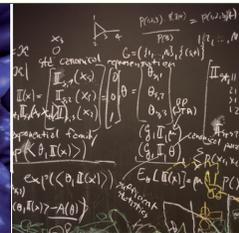
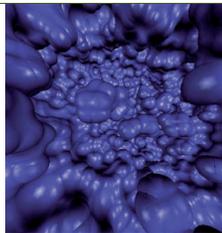
## Indiana University-Purdue University Indianapolis (IUPUI)

Department of Computer and Information Science

### Tenure-track Faculty Positions

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

The application should be submitted via email (as PDF files) to the Faculty Search Committee ([wittlief@cs.iupui.edu](mailto:wittlief@cs.iupui.edu)), and must consist of a letter of interest, curriculum vitae, and a statement of research



## 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](http://www.ist.ac.at/istfellow)



ISTFELLOW is partially funded by the European Union



# Professional Opportunities

direction and teaching interests. Applicants should also arrange for three letters of recommendation sent directly to the Faculty Search Committee via email. Evaluation of applications will begin on January 15, 2014 and will continue until the positions are filled.

The IUPUI campus, located in downtown Indianapolis, is an urban comprehensive research university with 19 academic schools, including one of the largest medical schools in the nation. IUPUI has a student population in excess of 30,000 and has attracted more than \$330 million in research funding in FY 12. The Department of Computer and Information Science offers Purdue University degrees at the Bachelor, Master, and Ph.D levels, with nearly 300 undergraduate majors and 200 graduate students. The Department currently has 14 full time tenure track faculty and 3 full time lecturers. The CIS faculty members are committed to high quality research and teaching, with research foci on data mining, imaging/visualization, distributed computing, and networking/network security. Faculty research programs are well funded by NSF (including several CAREER awards in recent years), NIH, NASA, NIJ and DoD. For further information about the Department, please visit <http://www.cs.iupui.edu>.

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

## 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 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](mailto:informhr@iupui.edu).

Indiana University is an Affirmative Action/Equal Opportunity Employer.

## INSEAD

*Decision Sciences Area*

*Faculty Positions*

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

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

## 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@ICSI.Berkeley.EDU](mailto:apply-director@ICSI.Berkeley.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 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

## Professional Opportunities

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](mailto: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.

### The Johns Hopkins University

#### Department of Computer Science

##### Tenure Track Positions

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

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

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

Applicants should apply using the online application which can be accessed from <http://www.cs.jhu.edu/apply>. Applications should be received by December 15, 2013 for full consideration. Questions should be directed to [fsearch@cs.jhu.edu](mailto:fsearch@cs.jhu.edu). The Johns Hopkins University is an EEO/AA employer.

#### Faculty Search

Johns Hopkins University  
Department of Computer Science  
Room 224 New Engineering Building  
Baltimore, MD 21218-2694

Fax: 410-516-6134

Phone: 410-516-8775

[fsearch@cs.jhu.edu](mailto:fsearch@cs.jhu.edu)

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

### The Johns Hopkins University (JHUISI)

#### The Information Security Institute

##### Faculty Positions

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

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

## Professional Opportunities

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

Applicants should apply using the online application which can be accessed from <http://www.cs.jhu.edu/apply>. Applications should be received by December 15, 2013 for full consideration. Questions should be directed to [fsearch@cs.jhu.edu](mailto:fsearch@cs.jhu.edu).

The Johns Hopkins University is an EEO/AA employer.

### Faculty Search

Johns Hopkins University

Department of Computer Science

Room 224 New Engineering Building

Baltimore, MD 21218-2694

Fax: 410-516-6134 • Phone: 410-516-8775

[fsearch@cs.jhu.edu](mailto:fsearch@cs.jhu.edu) • <http://www.cs.jhu.edu/apply>

### 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 HLT/COE research team to pursue the organization's cutting edge research goals, publishing research results in academic venues, advising students, and (optionally) teaching University courses.

## FACULTY POSITIONS IN COMPUTER SCIENCE



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

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

#### Areas of interest are:

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

Further information can be obtained by visiting <http://apptrkr.com/399028>

Applicants should have a proven track record, relevant PhD degree, as well as the ability to establish a high impact research program and demonstrate commitment to teaching at the graduate level.

#### How to Apply:

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

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

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

# Professional Opportunities

**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://hltoe.jhu.edu/opportunities/>

**Applications:** <https://academicjobsonline.org/ajo/jobs/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](mailto: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](http://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](http://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

# Professional Opportunities

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](http://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

### Postdoc Position

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

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

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

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

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

## Max Planck Institute for Software Systems

### Tenure-track / Tenured Positions

Applications are invited for tenure-track and tenured faculty positions in all areas related to the study, design, and engineering of software systems. These areas include, but are not limited to, security and

privacy, embedded and mobile systems, social computing, large-scale data management and machine learning, programming languages and systems, software verification and analysis, parallel and distributed systems, storage systems, and networking.

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

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

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

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

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

The institute is located in Kaiserslautern and Saarbruecken, in the tri-border area of Germany, France and Luxembourg. The area offers a high standard of living, beautiful surroundings and easy access to major metropolitan areas in the center of Europe, as well as a stimulating, competitive and collaborative work environment. In immediate proximity are the MPI for Informatics,

Saarland University, the Technical University of Kaiserslautern, the German Center for Artificial Intelligence (DFKI), and the Fraunhofer Institutes for Experimental Software Engineering and for Industrial Mathematics.

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

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

## McMaster University

### Tenure-Track Faculty Position

Ranked among the top engineering schools in Canada and worldwide, the Faculty of Engineering plays a key role in helping McMaster University earn its well-deserved reputation as one of Canada's most innovative universities in learning and research.

The McMaster Faculty of Engineering has a reputation for innovative programs, cutting-edge research, leading faculty, and aspiring students. It has earned a strong reputation as a centre for academic excellence and innovation. The Faculty has approximately 150 faculty members, along with close to 4,000 undergraduate and 750 graduate students.

The Department of Computing and Software at McMaster University seeks outstanding candidates for a tenure-track faculty position. The appointment is intended to be at the Assistant or Associate Professor level. Applicants with a doctorate in Computer Science or Software Engineering (or a related area) at the time of appointment are encouraged to apply. The Department invites applications from exceptional candidates in all areas, including those with expertise in: big data, cyber-physical systems, digital media and human-computer interaction, high performance computing, mobile computing, optimization, and systems.

The potential to develop a strong research program and become an excellent teacher is crucial. Successful candidates will be expected to attract external research funding, pursue industrial collaboration if appropriate, actively recruit and supervise graduate students, and teach at both the undergraduate and graduate levels. Registration or eligibility for registration by the Professional Engineers of Ontario will be considered an asset.

# Professional Opportunities

## Michigan Tech

### Department Chair

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

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

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

The department's specific goals include:

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

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

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

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

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

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

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

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

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

## Professional Opportunities

Salary and rank are commensurate with experience and qualifications. Applications, including a CV, a statement detailing teaching and research interests, and the names of at least three referees should be sent electronically to Laurie LeBlanc at [leblanl@mcmaster.ca](mailto:leblanl@mcmaster.ca) or in hard copy to:

Chair  
Department of Computing and Software, ITB 202  
McMaster University  
1280 Main Street West  
Hamilton, ON L8S 4K1

Applications review will begin immediately and the appointment will ideally commence July 1, 2014. However, applications will be accepted until the position is filled.

Note: All qualified candidates are encouraged to apply. However, Canadian citizens and permanent residents will be considered first for these positions. McMaster University is strongly committed to employment equity within its community, and to recruiting a diverse faculty and staff. The University encourages applications from all qualified candidates, including women, members of visible minorities, Aboriginal peoples, members of sexual minorities and persons with disabilities.

### Michigan State University

#### Computer Science & Engineering

##### Teaching Line Position

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

Responsibilities for this position include, with a co-instructor, course leadership and management, ongoing curriculum development and delivery, and teaching of CSE 101. In each regular semester, there are approximately 1,800 students from all majors across the university enrolled in the course. The position also requires management, training and supervision of graduate teaching assistants who lead

the majority of course sections and undergraduate teaching assistants who assist with course delivery and coordinating laboratory sections. This position is largely course management and teaching, with limited or no research content. Applicants for the position must have an advanced degree in Computer Science or related area with substantial teaching or industrial experience. Experience with management of teams is desirable. Review of applications will begin November 11, 2013. However, applications will be accepted until the position is filled.

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

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

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

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

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

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

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

### Tenure-Track Assistant or Associate Professor of Games

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

#### MICHIGAN STATE UNIVERSITY

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

MSU is an Affirmative Action, Equal Opportunity Employer.

### Assistant / Associate Professor Social Media / Computing

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

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

#### MICHIGAN STATE UNIVERSITY

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

MSU is an Affirmative Action, Equal Opportunity Employer.

### 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)**

## Professional Opportunities

**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 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.

### Mount Holyoke College

#### Computer Science Department

#### Tenure-track Assistant Professor position, to begin Fall 2014

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

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

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

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

### 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](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=763365&B\\_ID=83&fid=1&Adid=&ssbgcolor=FFFFFF&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.

# Professional Opportunities

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](http://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

## 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](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. 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

# Professional Opportunities

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](mailto: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](mailto:shanghai.faculty.recruitment@nyu.edu).

NYU Shanghai is an Equal Opportunity/Affirmative Action Employer.

## 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](mailto: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.

# Professional Opportunities

## 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.html>. 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](mailto: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.

## Northeastern University Boston, Massachusetts

*Three Tenure-Track Faculty Positions*

The College of Computer and Information Science invites applications for at least three tenure-track faculty positions, beginning in Fall 2014. Applicants at all ranks will be considered. A PhD in Computer Science, Information Science or a related field by the start date is required.

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

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

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

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

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

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

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

## Northern Arizona University

*Applied Linguistics in the Department of English*

*Post-doctoral scholar*

### Description:

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

**For the complete job announcements and directions on how to apply for this opening, visit ((ID#600539):** [https://hr.peoplesoft.nau.edu/psp/ph90prta/EMPLOYEE/HCM/c/HRS\\_HRAM.HRS\\_CE.GBL?Page=HRS\\_CE\\_HM\\_PRE&Action=A&SiteId=1](https://hr.peoplesoft.nau.edu/psp/ph90prta/EMPLOYEE/HCM/c/HRS_HRAM.HRS_CE.GBL?Page=HRS_CE_HM_PRE&Action=A&SiteId=1).

## Oakland University

*Computer Science and Engineering Department*

*Tenure-track Faculty Positions*

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

Only applicants whose research and teaching interests fall under these or very closely related areas will be considered.

Applications should be submitted by November 15, 2013. Applicants should upload a letter of intent, a statement of research, a statement of teaching, resume, and information of three references at

# Professional Opportunities

<http://academicjobs.oakland.edu/postings/790>.

The teaching statement should include a list of undergraduate and graduate courses that the applicant will be willing to teach as well as outlines of two courses that the applicant would like to introduce. Information about the current courses offered by the department is available on departmental website at <http://www.cse.secs.oakland.edu>.

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

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

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

## 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 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](mailto: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](mailto: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.

## Ohio State University

*Computer Science and Engineering Department*

*Multiple Tenured or Tenure-Track*

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

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

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

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

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

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

## Oregon State University

*School of Electrical Engineering and Computer Science*

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

The School of Electrical Engineering and Computer Science at Oregon State University invites applications for up to six full-time nine month tenure-track positions at the Assistant Professor level in Computer Science. Appointments may be made at the Associate or Full Professor level, see OSU EECS website for details. We seek candidates with a commitment to quality teaching and with demonstrated research strengths in the areas of databases, software engineering, computer security, distributed systems, and computer vision. Applicants must select one of these research areas when submitting an online

# Professional Opportunities

application. Duties include teaching undergraduate and graduate courses, conducting research in the area of interest, and securing funding. A PhD in Computer Science or related field is required. Applicants should demonstrate a commitment to collaboration with other research groups in the School of EECS, with other departments at Oregon State, and with other universities.

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

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

## 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](mailto: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 ([crisp.poly.edu](http://crisp.poly.edu)) and wireless communications ([nyuwireless.com](http://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](http://poly.edu/cse-positions)

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

## 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.

# Professional Opportunities

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/wlfac/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

### Department of Computer Science

#### Tenure-Track/Tenured Positions

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

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

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

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

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

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

## Purdue University

### Department of Statistics

#### Assistant Professor – Computational Statistics

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

The Department of Statistics offers a stimulating environment with over 35 faculty members, including 10 fellows of the American Statistical Association and 6 recipients of the NSF Career Award, with

many complementary efforts in research, teaching and consulting. The Purdue campus offers excellent infrastructure for large-scale computing, and opportunities for interdisciplinary collaborations in areas such as engineering, computer science, chemistry and biology. Further information is available at <http://www.stat.purdue.edu>.

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

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

## Purdue University

### 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

## Professional Opportunities

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 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](mailto: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.



B. Thomas Golisano College of Computing and Information Sciences

### Assistant Professor / Associate Professor - Human-Computer Interaction

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

#### DETAILED JOB DESCRIPTION:

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

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

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

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

### 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.



B. Thomas Golisano College of Computing and Information Sciences

### ASSISTANT PROFESSOR - COMPUTER SCIENCE (2 POSITIONS)

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

#### DETAILED JOB DESCRIPTION:

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

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

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

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## Professional Opportunities

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](mailto: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.



B. Thomas Golisano College of Computing and Information Sciences

### INSTRUCTIONAL FACULTY - COMPUTER SCIENCE

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

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

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

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### Purdue University

*School of Electrical and Computer Engineering (ECE) and CERIAS*

#### Postdoctoral Fellow

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

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

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

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

### 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.



B. Thomas Golisano College of Computing and Information Sciences

### ASSISTANT PROFESSOR - SOFTWARE ENGINEERING

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

#### DETAILED JOB DESCRIPTION:

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

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

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

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

### RTI International, Research Triangle Park, North Carolina

#### Cyber Security Research Scientist

RTI International, one of the world's leading research institutes, has an opening in RTP, NC for a Cyber Security Research Scientist in its' Research Computing Division. An understanding of cyber security issues and technologies, experience with interdisciplinary research, and demonstrated excellence in verbal and written communication are essential.

#### Responsibilities

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

# Professional Opportunities

## Qualifications

Required:

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

Preferred:

Expertise in one or more of the following:

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

Interested applicants should apply via RTI's website:  
[www.rti.org/job1471](http://www.rti.org/job1471)

## Rutgers University

*The Department of Computer Science*

*Tenure-Track Faculty Position*

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

human-centered 3D interfaces, augmented reality and medical applications, as well as big data visualization from important application domains.

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

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

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

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

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

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

Rutgers is an affirmative action/equal opportunity employer.

## Rutgers University

*The Department of Computer Science*

*Tenure-Track Faculty Position*

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

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

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

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

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



## 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://apptrk.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

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

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

Rutgers is an affirmative action/equal opportunity employer.

## Rutgers University - New Brunswick

Department of Computer Science

Director of Information Technology

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

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

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

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

Rutgers is an affirmative action/equal opportunity employer.



## 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](mailto: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

## 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.

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](mailto: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](http://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.

### 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 [dridzal@sandia.gov](mailto:dridzal@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](mailto:jeh@cs.cornell.edu)) and to Bing Li ([binglisjtu@sjtu.edu.cn](mailto: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.

# Professional Opportunities

## Simon Fraser University

### School of Computing Science

#### Assistant Professors

The School of Computing Science at Simon Fraser University invites applications for two tenure-track positions at the Assistant Professor level. A Ph.D. in Computer Science or related discipline is required, with a strong commitment to excellence in research and teaching. The School is seeking to fill positions in computational biology and big data science to support its recently established Canada Research Chair (Tier 1) positions. The School is searching for candidates in the areas of algorithms, data mining, genomics, machine learning and systems. Exceptional candidates in other related areas will also be considered.

Simon Fraser University is consistently one of the top-ranked comprehensive universities in Canada, and the School of Computing Science is one of the leading Canadian computer science departments. The School currently has approximately 200 Ph.D. and M.Sc. students, more than 1200 undergraduate majors, and 53 faculty members.

All qualified candidates are encouraged to apply, however Canadian citizens and permanent residents will be given priority. Simon Fraser University is committed to employment equity and encourages applications from all qualified women and men, including visible minorities, aboriginal people, and persons with disabilities. Under the authority of the University Act, personal information that is required by the University for academic appointment competitions will be collected. For further details see: [www.sfu.ca/vpacademic/Faculty\\_Openings/Collection\\_Notice.html](http://www.sfu.ca/vpacademic/Faculty_Openings/Collection_Notice.html).

The application deadline is January 15, 2014. Applications may be considered beyond this date, or until the position is filled. For additional information see [www.cs.sfu.ca](http://www.cs.sfu.ca). The positions are subject to availability of funding and final approval by the SFU Board of Governors.

To apply, submit your curriculum vitae, your research and teaching statement, and the names and email addresses of three referees at: <http://www.cs.sfu.ca/about/job-opportunities.html>.

School of Computing Science  
Simon Fraser University  
8888 University Drive  
British Columbia, Canada, V5A 1S6  
[cs-faculty-search@cs.sfu.ca](mailto:cs-faculty-search@cs.sfu.ca)

## Southwestern University

### Department of Mathematics and Computer Science

#### Tenure-Track Assistant Professor Position

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

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

## 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, Cyber-security, 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.

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

## Professional Opportunities

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](mailto:Tahsin.Kurc@StonyBrook.edu)

To view application procedure, full position description or to apply online, visit [www.stonybrook.edu/jobs](http://www.stonybrook.edu/jobs).

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

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

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.

### 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:

### 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/



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

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

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

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

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

Letters of application should include

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

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

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

# Professional Opportunities

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](mailto: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](mailto: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 an should be submitted to [idhmc@tamu.edu](mailto: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](mailto: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 (IIS)*

*Tenure-Track Faculty Position*

The Institute for Interdisciplinary Information Sciences (IIS), 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. IIS currently has 21 full-time tenure-track faculty members, and is actively recruiting outstanding scholars to join IIS 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://iis.tsinghua.edu.cn/en> or from the postal address: IIS 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 [iisrecruit@mail.tsinghua.edu.cn](mailto:iisrecruit@mail.tsinghua.edu.cn), with the subject line "<candidate\_name>: IIS Computer Science Faculty Application."

## TTI Chicago

*Computer Science*

*Faculty Positions at All Levels*

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

Toyota Technological Institute at Chicago is an Equal Opportunity Employer.

## 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.

# Professional Opportunities

For more information, please visit <http://www.cs.tufts.edu/>. Inquiries should be emailed to [cssearch@cs.tufts.edu](mailto: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.

## Tulane University

### Department of Computer Science

#### Faculty Positions in Computer Science – Starting Fall 2014

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

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

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

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

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

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

## Tulane University

### Department of Computer Science

#### Professor of Practice Position in Computer Science – Starting Fall 2014

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

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

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

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

## 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](mailto:cs-jobs@union.edu). Please request that three recommendation letters also be sent to [cs-jobs@union.edu](mailto: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

### Computer Science/Informatics Departments

#### Faculty Positions

The Computer Science and Informatics Departments in the College of Computing and Information ([www.albany.edu/cci/](http://www.albany.edu/cci/)) at the University at Albany – SUNY are seeking candidates for One (1) open rank

# Professional Opportunities

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](mailto:omnibussearch2014@albany.edu).

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

## The University of Arizona

### Department of Computer Science

#### Faculty Position: Assistant, Associate, or Full Professor

Applications are invited for a tenure-track faculty position in the general area of large-scale, data-centric computing ("Big Data"). The research areas of distributed systems, storage and database systems, information visualization, machine learning and data mining, security and privacy, bioinformatics, and scalable storage are especially desirable. Outstanding candidates in related areas will also be considered. The ideal candidate will actively seek out opportunities for collaboration across scientific disciplines. Our preference is to hire at the Assistant Professor level, but we will consider outstanding applications at all ranks.

The Department of Computer Science at the University of Arizona has a long history of research accomplishment, influential software distribution, and substantial external funding. Major funding has included four NSF infrastructure grants.

To apply, complete an online application at the UA Human Resources web site, [www.uacareertrack.com/applicants/Central?quickFind=209979](http://www.uacareertrack.com/applicants/Central?quickFind=209979). Be sure to upload (a) your curriculum vitae, (b) a statement of your research and teaching interests, (c) the names of at least three references, and (d) a letter of interest.

Review of applications will begin January 1, 2014 and continue until the position is filled.

Please email [search@cs.arizona.edu](mailto:search@cs.arizona.edu) if you have any questions or need assistance.

## 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](http://www.hr.bham.ac.uk/jobs).

Promoting Equality, Celebrating Diversity

## University of Arkansas

### Department of Computer Science and Computer Engineering

#### Charles D. Morgan/Axiom Graduate Research Chair in Database

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

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

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

# Professional Opportunities

Application materials include a cover letter, teaching and research statements, curriculum vitae, and four letters of reference. Preferably, application materials should be submitted to the CSCE Search Committee electronically at <http://www.csce.uark.edu/search>. Alternatively, applications can be sent to:

Search Committee  
CSCE Department  
JBHT 504  
University of Arkansas  
1 University Way  
Fayetteville, AR 72701  
[search@csce.uark.edu](mailto:search@csce.uark.edu)

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

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

## University of 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](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](mailto:faculty-recruiting@cs.ubc.ca)

## The University of Calgary

*Department of Computer Science*

*Tenure-Track Positions*

The **Department of Computer Science** at the University of Calgary seeks outstanding candidates for the following three **tenure-track** faculty positions:

- Assistant Professor in Imaging/Visualization
- Assistant Professor in Secure Health Informatics
- Canada Research Chair Tier II in Visual Analytics – Assistant or Associate Professor

In each case, the successful candidate is expected to establish an independent research program aligned with the University of Calgary's Eyes High vision, and to provide high-quality teaching at both the graduate and undergraduate levels. He/she will actively recruit and supervise graduate students. Peer-reviewed external funding is expected to be obtained and sustained. Industrial partnerships are also encouraged, as appropriate.

Recently ranked #1 among young universities in Canada, the University of Calgary has significant ongoing research activities in fundamental and applied analytics. Information visualization, human-computer interaction, and software engineering of analytics applications are key current strengths, leading to close interactions with experts from a wide variety of application domains. Cross-disciplinary teams are tackling analytics challenges in energy, health informatics, life sciences, sustainability, and a broad spectrum of other areas. Analytics and visualization have been identified as core platform technologies by the University of Calgary, leading to substantial new investments in these and related research areas.

The Department of Computer Science is one of Canada's leaders, with demonstrated excellence in teaching and research. It has large undergraduate and graduate programs, state-of-the-art computing facilities, and successful multi-disciplinary linkages. Calgary is a multi-cultural city that is the fastest growing city in Canada. Calgary enjoys a moderate climate located beside the natural beauty of the Rocky Mountains. Further information on these positions is available at <http://www.cpsc.ucalgary.ca>.

Interested applicants should send a CV, a concise description of their research, a statement of teaching philosophy, and a list of at least 3 references via email to [search@cpssc.ucalgary.ca](mailto:search@cpssc.ucalgary.ca), or physical mail to:

**Dr. Carey Williamson, Head**  
Department of Computer Science  
University of Calgary  
2500 University Drive NW  
Calgary, Alberta, Canada  
T2N 1N4

Review of applications will commence **December 20, 2013** and continue until the positions are filled. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. The University of Calgary respects, appreciates, and encourages diversity.

To see all University of Calgary academic positions, please visit [www.ucalgary.ca/careersuofc/](http://www.ucalgary.ca/careersuofc/).

## University of California, Davis

*Department of Computer Science*

*Faculty Positions*

The Department of Computer Science at the University of California at Davis invites applications for two faculty positions at all ranks in Computer Science for appointments with a begin date in Fall 2014. We are targeting recruitment in the general areas of data sciences, applied machine learning, informatics, theory, and algorithms, but we plan to

# Professional Opportunities

consider excellent candidates in all areas of computer science. The campus is especially interested in candidates who can contribute to the diversity and excellence of the academic community through their research, teaching, and service.

Applicants should have received (or be about to receive) a doctoral degree in Computer Science or a related field. Candidates must have demonstrated excellence in research and a commitment to quality teaching. Candidates at the more senior levels should have a strong record of publications and research funding, proven leadership skills in collaborative research efforts, and an excellent teaching record at the undergraduate and graduate level. Successful applicants will be expected to establish a top-quality research program and to teach both graduate and undergraduate courses. The department is particularly interested in candidates who have experience working with students from diverse backgrounds and a demonstrated commitment to improving access to higher education for disadvantaged students.

Interested persons should apply using the instructions given at: <http://www.cs.ucdavis.edu/department/employ>.

Applications should include a vita, a personal statement, a select subset of publications, and the names of three references. Review of completed applications will begin January 15, 2014. The position remains open until filled.

UC Davis is responsive to the concerns of dual-career couples and offers a Partner Opportunity Program. UC Davis is an affirmative action/equal employment opportunity employer and is dedicated to recruiting a diverse faculty community. We welcome all qualified applicants to apply, including women, minorities, individuals with disabilities and veterans.

## University of California, 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](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](http://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](mailto: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](http://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](mailto: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**

## Professional Opportunities

**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](mailto:paturi@cs.ucsd.edu)

### 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 (CalIT2), the San Diego Super Computer Center (SDSC), and the Center for Wireless Communications (CWC), which provide unique opportunities and resources. More information can be found at <http://www.cse.ucsd.edu>.

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



UC San Diego  
Local Impact, National Influence, Global Reach



### 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

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>).

### University of Central Florida

#### Computer Science

##### Tenure-Track Faculty Positions

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

All applicants must have a Ph.D. from an accredited institution in an area appropriate to Computer Science and a strong commitment to the academic process, including teaching, scholarly publications, and sponsored research. Successful candidates will have a record of high-quality publications and be recognized for their expertise and the impact of their research.

Computer Science at UCF has a rapidly-growing educational and research program with nearly \$4.6 million in research contracts and expenditures annually and over 179 graduate students, including 113 Ph.D. students. Computer Science has strong areas of research in Computer Vision, Machine Learning, Virtual and Mixed Reality, and HCI. More information about the Computer Science Division can be found at <http://www.cs.ucf.edu/>.

wResearch sponsors include NSF, NIH, NASA, DOT, DARPA, ONR, and other agencies of the DOD. Industry sponsors include AMD, Boeing, Canon, Electronic Arts, General Dynamics, Harris, Hitachi, Intel, Lockheed Martin, Oracle, SAIC, Symantec, Toyota USA, and Walt Disney World, as well as local startups.

UCF has about 60,000 students and is the nation's second largest university. Located in Orlando, UCF is at the center of the I-4 High Tech Corridor. The corridor has an excellent industrial base that includes: software, defense, space, simulation and training, and a world-renowned entertainment industry. Adjacent to UCF is a thriving research park that hosts more than 100 high-technology companies and the Institute for

Simulation and Training. The Central Florida area is designated by the State of Florida as the Center of Excellence in Modeling and Simulation. UCF also has an accredited medical school, which opened in 2009. Great weather, easy access to the seashore, one of the largest convention centers in the nation, and one of the world's best airports are just a few features that make Orlando an ideal location. UCF is an Equal Opportunity/Affirmative Action employer. Women and minorities are particularly encouraged to apply.

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

### University of Chicago

#### Associate Professor

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

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

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

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

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

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

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

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

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

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

To apply for the position of Associate Professor-Systems, go to: <http://tinyurl.com/l18h8a3>

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

### University College London (UCL)

#### Department of Computer Science

##### Faculty Position

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

Areas of interest for this position include operating systems, systems security, distributed systems, networking, and their intersection, with an emphasis on experimental system-building. Appointments will be made at the rank of Lecturer, Senior Lecturer,

# Professional Opportunities

or Reader (equivalent to Assistant Professor, junior Associate Professor, and senior Associate Professor, respectively, in the US system), commensurate with qualifications.

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

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

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

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

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

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

UCL – Taking Action for Equality

## University of Colorado, Boulder

*Department of Computer Science*

*Assistant Professor*

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

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

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

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

## University of Colorado, 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 Dayton

*Computer Science Department*

*Tenure Track, Assistant Professor*

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

Required: ABD and nearing completion of Ph.D. in Computer Science or closely related area; potential for quality teaching and scholarly research; committed to

# Professional Opportunities

excellence in undergraduate and graduate education with a focus on research

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

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

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

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

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

## University of Georgia

### Department of Computer Science

#### Tenure-Track Assistant Professor Position

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

We are especially interested in candidates with research background in all aspects of Big Data Computing (acquisition, storage, management, analytics, and visualization), Biomedical Informatics, Brain Mapping, Cyber-Security, and Cyber-Physical

Systems with emphasis on Smart Sensors and Robotics. We currently have faculty with research interests spanning the above areas. Strong applicants in other areas of Computer Science will also be considered.

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

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

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

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

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

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

## University of 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](http://exploregeorgia.com)), with a student body of over 34,000. It is located in Athens (<http://www.visitathensga.com/>) a charming and historic university town of about 100,000, approximately 65 miles from Atlanta, with mild winters and warm summers. The University boasts a major Performing Arts Center and 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

# Professional Opportunities

that is inclusive. Women, minorities and people with disabilities are encouraged to apply. The University is an EEO/AA institution.

## University of Houston

### Department of Computer Science

#### Faculty Position

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

The Department places a strong emphasis on research and the Ph.D. program with world-renowned research groups in Computer Systems (cyber-physical systems, high performance computing, networks, real-time systems, security), Data Analytics (big-data analysis, data mining, database systems, information retrieval, machine learning, natural language processing), Computational Life Sciences (biomedical image analysis, biometrics, medical robotics), and Visual Computing (graphics, gaming, visualization). The Department's research combines advances in core computer science areas with pace-setting multi-disciplinary programs in

computational medicine, biology, and psychology. The combination of fundamental research and innovations has led to numerous local, national and international collaborations, the strongest of which are with the Texas Medical Center and the Houston energy industry.

The University of Houston, one of the largest in the nation with approximately 40,000 students, is located in one of the most vibrant metropolitan areas. It was recently classified as a Tier-One university with very high research activity by the Carnegie Foundation and is listed as one of the nation's best institutions for undergraduate education by the Princeton Review. Houston, the 4th largest U.S. city, is the epicenter of the energy industry, features the largest medical center in the world, and hosts the Johnson Space Center. The Department's research laboratories have joint programs with laboratories from the local medical schools and hospitals, NASA, and the local high-tech industry.

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

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

## University of Illinois at 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 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

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

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

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

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

# Professional Opportunities

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](mailto: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](mailto: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

## University of Illinois at Urbana-Champaign

### College of Engineering: Professor (Open Rank) – Computer Science

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

**For more information and to apply, please visit: [cs.illinois.edu/faculty-candidates](http://cs.illinois.edu/faculty-candidates)**

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



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

# Professional Opportunities

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](http://jobs.illinois.edu). For further information regarding application procedures, please contact Linda Morris at [ismorris@illinois.edu](mailto:ismorris@illinois.edu) or 217-333-2511.

Illinois is an AA-EOE.

## University of Illinois at Urbana-Champaign

### Full-Time Tenure-Track

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

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

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

## The University of Iowa

### Computer Science Department

#### Assistant Professor Positions, Fall 2014

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

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

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

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

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

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

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

## 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 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](http://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](mailto:robert.benkoczi@uleth.ca); <http://www.cs.uleth.ca/~benkoczi>).

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

## University of Maryland, Baltimore County

### Computer Science and Electrical Engineering Department

#### Two Tenure Track Assistant Professor Positions, Computer Science

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

Submit a cover letter, brief statement of teaching and research experience and interests, CV, and three letters of recommendation. See <http://csee.umbc.edu/about/jobs/> for more information about this search

# Professional Opportunities

and concurrent searches for a tenure track position in Electrical and Computer Engineering and a Professor of the Practice position in Computer Science.

UMBC is an AA/EOE.

## University of Massachusetts Amherst

*Department of Electrical and Computer Engineering  
Personalized Health Monitoring*

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

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

The Center for Personalized Health Monitoring is part of University and Commonwealth of Massachusetts initiatives in the Life Sciences which have provided modern laboratory facilities and opportunities for interdisciplinary collaboration with researchers from the University of Massachusetts Medical School, Baystate Medical Center and several Research Institutes and Centers on campus. These positions are part of a recent call for four Faculty Positions in Biomedical Engineering at the University of Massachusetts Amherst.

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

The search committee will begin reviewing applications on December 2, 2013. The search will continue until the position is filled (contingent on approval and funding). We strongly prefer candidates to submit their applications online

at <http://umass.interviewexchange.com/jobofferdetails.jsp?JOBID=42655> or <http://umass.interviewexchange.com>. If necessary, applications can be mailed to PHM Search, ECE Department, UMass, Marcus Hall, 100 Natural Resources Road, Amherst, MA 01003.

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

## University of Massachusetts 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 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](http://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.

# Professional Opportunities

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.

## The University of Memphis

*Computer Science Department  
Assistant Professor*

The Department of Computer Science, [www.cs.memphis.edu](http://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 Miami

*Tenure-track or Tenured Faculty Position*

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

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

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

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

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

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

## University of Michigan

*School of Information*

*Three Tenure-Track Positions*

The School of Information at the University of Michigan (UMSI) is seeking to fill three tenure-track positions in the areas of human-computer interaction, information analysis and retrieval, and the W.K. Kellogg Chair in Community Information. Details about each position can be found at the links:

[W.K. Kellogg Chair in Community Information \(with tenure\)](#)  
[Human-Computer Interaction \(Assistant Professor\)](#)  
[Information Analysis and Retrieval \(Assistant Professor\)](#)

For all UMSI positions, we favor candidates whose research interests complement our existing expertise in such areas as computer-supported cooperative work; digital archives and preservation; human-computer interaction; incentive-centered design and information economics; information seeking, sharing and use; Internet-scale data, network and text analysis; social computing and informatics; and health informatics.

The mission of the School of Information is to create and share knowledge to help people use information – with technology – to build a better world. A successful candidate will be committed to, and will directly contribute to our goal of being the best research and teaching institution for the understanding and design of information and its technologies in service of people and society.

The School is home to vibrant research and teaching programs, with 36 FTE professors, and over 400 students. We offer a Ph.D., a Master of Science in Information, a Master of Health Informatics (joint with the School of Public Health), a jointly-offered undergraduate informatics major, and as of fall 2014 we will offer our own Bachelor of Science in Information. Founded in 1817, the University of Michigan has a long and distinguished history as one of the first public universities in the nation. It is one of only two public institutions consistently ranked among the nation's top ten universities. The University has one of the largest health care complexes in the world and one of the best library systems in the United States. With more than \$1 billion in research expenditures annually, the University has the second largest research expenditure among all universities in the nation. The University has an annual general fund budget of more than \$1.7 billion and an endowment valued at more than \$7.6 billion.

Qualifications:

- Ph.D. in an area relevant to the position applied for
- Demonstrated potential for successful teaching at the undergraduate and graduate level
- Demonstrated potential for high scholarly impact
- A strong commitment to teaching, interdisciplinary research, and cultural diversity

Apply now: <https://www.si.umich.edu/node/12622>.

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

**The online application form will be available starting October 7, 2013.**

U-M EEO/AA Statement: The University of Michigan is an equal opportunity/affirmative action employer.

Details about each position can be found the following link: <https://www.si.umich.edu/umsi-faculty-positions-2013-2014>.

## University of Minnesota

*College of Science and Engineering*

*Faculty Positions in Robotics, Sensors, and Manufacturing*

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

## Professional Opportunities

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

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

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

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

### The University of Minnesota – Twin Cities

*Department of Computer Science and Engineering*

*Faculty Positions in Social Computing/Social Media and Robotics*

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

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

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

### 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



## 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](mailto:coeumtriresearch@umich.edu). All other inquiries may be directed to Dr. Huei Peng ([hpeng@umich.edu](mailto: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

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.

## University of Nebraska-Lincoln

*Department of Computer Science & Engineering*  
*Assistant Professor of Practice*

The Department of Computer Science and Engineering at the University of Nebraska-Lincoln seeks outstanding applicants for the position of Assistant Professor of Practice of Computer Science. The position requires experience in introductory level teaching and curriculum development in computer science. The planned start date of this position is August 18, 2014.

Assistant Professor of Practice is a 3-year, non-tenure-track, renewable position, eligible for benefits. Such appointments are intended for instructors who are dedicated to become leaders in educational innovation and curriculum development, educational reform, and pedagogy.

PhD in computer science, computer engineering or a closely related discipline. Teaching experience and strong oral presentation and communication skills are required.

Typical responsibilities of the position will include:

Teaching: substantial teaching in computer science including course development and delivery; experiences with online courses is a plus. Curriculum development: engaging faculty within computer science on curricular and assessment needs.

Educational innovation: exploring the role of new technology and techniques in driving pedagogy.

Undergraduate recruiting, diversity planning, retention, outreach, advising, and mentoring.

To apply, please go to <http://employment.unl.edu>, requisition F\_130233, click on Apply to this job, complete the form and attach required documents. Review of applications will begin January 21, 2014 and will continue until the position has been filled.

The official advertisement can be viewed at <http://cse.unl.edu/facultysearch>. Please contact the search committee chair, Professor Stephen Scott [[sjscott@cse.unl.edu](mailto:sjscott@cse.unl.edu), (402) 472-6994] for questions regarding the position.

The University of Nebraska has an active National Science Foundation ADVANCE gender equity program, and is committed to a pluralistic campus community through affirmative action, equal opportunity, work-life balance, and dual careers.

## University of New Orleans

*Computer Science*  
*Assistant Professor*

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

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

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

## 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](http://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/ajob/jobs/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 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

# Professional Opportunities

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 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](mailto: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](http://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 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](mailto: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](http://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,

# Professional Opportunities

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](mailto: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>.

## The University of North Texas

*School of Computing*

*Advisor-Instructor*

The Department of Computer Science and Engineering at the University of North Texas (UNT) is seeking candidates for one tenure track faculty position at the Assistant Professor level and two non-tenure track Lecturers beginning August 15, 2014.

The tenure track faculty position will expand our existing strengths in Natural Language Processing and closely related areas. This tenure track faculty position will expand our existing strengths in Natural Language Processing and closely related areas. Outstanding candidates with significant publication records and research funding in other areas will also be considered. Candidates should have demonstrated the potential to excel in research in one or more of the areas and in teaching. A Ph.D. in Computer Science or a closely related field is required at the time of appointment.

The lecturer positions will focus on introductory courses spanning all programs in Computer Science and Engineering and advanced undergraduate courses in Computer Engineering. A Ph.D. in Computer Science, Computer Engineering, or a closely related field is required at the time of appointment.

The Computer Science and Engineering department is home to 790 Bachelors students, 150 Masters students and 82 Ph.D. students. Additional

information about the department is available at the department's website at: [www.cse.unt.edu](http://www.cse.unt.edu).

Application Procedure:

All applicants must apply online to: <https://facultyjobs.unt.edu>. Submit nominations and questions regarding the tenure track position to Dr. Yan Huang ([huangyan@unt.edu](mailto:huangyan@unt.edu)), and regarding the Lecturer positions to Dr. Armin R. Mikler ([mikler@cse.unt.edu](mailto:mikler@cse.unt.edu)).

Application Deadline:

The committee will begin its review of applications on November 1, 2013 and continue to accept and review applications until the positions are closed.

The University:

A student-focused public research university, UNT is the nation's 25th largest public university and the largest, most comprehensive in the Dallas-Fort Worth area. It is dedicated to providing an excellent educational experience to its 36,000 students while powering the North Texas region through innovative education and research. UNT's ultimate mission is to give a green light to greatness by helping its students, region, state and nation excel.

The University of North Texas is an AA/ADA/EOE committed to diversity in its educational programs.

## University of Oregon

*Department Of Computer and Information Science*

*Faculty Position*

The Department of Computer and Information Science (CIS) seeks applications for a tenure track faculty position at the rank of Assistant Professor, beginning Fall 2014. The University of Oregon is an AAU research university located in Eugene, two hours south of Portland, and within one hour's drive of both the Pacific Ocean and the snow-capped Cascade Mountains.

The department seeks candidates in one of our focus areas – parallel computing, distributed systems, and data sciences. We will also consider candidates in theoretical computer science who can collaborate with faculty members in our focus areas or in security. Applicants must have a Ph.D. in computer science or closely related field, a demonstrated record of excellence in research, and a strong commitment to teaching. A successful candidate will be expected to conduct a vigorous research program and to teach at both the undergraduate and graduate levels.

We offer a stimulating, friendly environment for collaborative research both within the department, which expects to grow substantially in the next few years, and with other departments on campus. The CIS Department is part of the College of Arts and Sciences and is housed within the Lorry Lokey

Science Complex. The department offers B.S., M.S. and Ph.D. degrees. More information about the department, its programs and faculty can be found at <http://www.cs.uoregon.edu>.

Applications will be accepted electronically through the department's web site. Application information can be found at <http://www.cs.uoregon.edu/Employment/>. Review of applications will begin January 15, 2014, and continue until the position is filled. Please address any questions to faculty. [search@cs.uoregon.edu](mailto:search@cs.uoregon.edu).

The University of Oregon is an equal opportunity/affirmative action institution committed to cultural diversity and is compliant with the Americans with Disabilities Act. We are committed to creating a more inclusive and diverse institution and seek candidates with demonstrated potential to contribute positively to its diverse community.

## University of 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

# Professional Opportunities

addressed to [facultysearch@central.cis.upenn.edu](mailto: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.

## 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](mailto: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](http://www.coolpgh.pitt.edu).

## University of Rochester

### Department of Computer Science

#### Faculty Positions in Computer Science: Experimental Systems and Data Science

The University of Rochester Department of Computer Science seeks applicants for multiple tenure track positions in the broad areas of experimental systems and data science research (including but not exclusively focused on very large data-driven systems, machine learning and/or optimization, networks and distributed systems, operating systems, sustainable systems, security, and cloud computing). Candidates must have a PhD in computer science or a related discipline.

Apply online at <https://www.rochester.edu/fort/csc>.

Consideration of applications at any rank will begin immediately and continue until all interview slots are

filled. Candidates should apply no later than January 1, 2014 for full consideration. Applications that arrive after this date incur a probability of being overlooked or arriving after the interview schedule is filled up.

The Department of Electrical and Computer Engineering (<http://www.ece.rochester.edu/about/jobs.html>) is also searching for a candidate broadly oriented toward data science. While the two searches are concurrent and plan to coordinate, candidates should apply to the department/s that best matches their academic background and interests.

The Department of Computer Science is a research-oriented department with a distinguished history of contributions in systems, theory, artificial intelligence, and HCI. We have a collaborative culture and strong ties to electrical and computer engineering, cognitive science, linguistics, and several departments in the medical center. Over the past decade, a third of the department's PhD graduates have won tenure-track faculty positions, and its alumni include leaders at major research laboratories such as Google, Microsoft, and IBM.

The University of Rochester is a private, Tier I research institution located in western New York State. It consistently ranks among the top 30 institutions, both public and private, in federal funding for research and development. The university has made substantial investments in computing infrastructure through the Center for Integrated Research Computing (CIRC) and the Health Sciences Center for Computational Innovation (HSCCI). Teaching loads are light and classes are small. Half of all undergraduates go on to post-graduate or professional education. The university includes the Eastman School of Music, a premiere music conservatory, and the University of Rochester Medical Center, a major medical school, research center, and hospital system. The greater Rochester area is home to over a million people, including 80,000 students who attend its 8 colleges and universities.

The University of Rochester has a strong commitment to diversity and actively encourages applications from candidates from groups underrepresented in higher education. The University is an Equal Opportunity Employer.

## 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 [www.parkersearch.com](http://www.parkersearch.com).

Laurie C. Wilder, Executive Vice President and Managing Director

Ryan Crawford, Principal  
770-307-7031

[lwilder@parkersearch.com](mailto:lwilder@parkersearch.com)  
[rcrawford@parkersearch.com](mailto:rcrawford@parkersearch.com)

USF is an Equal Opportunity/Equal Access University.

Parker Executive Search  
Five Concourse Parkway

Suite 2900  
Atlanta, GA 30328

770.804.1996  
[parkersearch.com](http://parkersearch.com)

## University of Southern California

### Information Sciences Institute

#### Computer Scientist and Postdoc Positions

The Information Sciences Institute (ISI) is home to over 100 researchers in artificial intelligence who carry out world-class research in a collaborative, academic environment.

ISI is part of the University of Southern California (USC) and a sister to USC's Computer Science Department, Electrical Engineering Department, and others. More than a dozen artificial intelligence researchers at ISI hold research faculty appointments in these departments, where they teach classes, advise PhD students, and found spin-offs.

ISI scientists have the opportunity to spend the vast majority of their time doing the research they love. Projects are critically accelerated by research programmers and students at all levels, and USC operates one of the world's largest high-performance computing clusters.

#### Computer Scientist and Postdoc Positions

ISI welcomes applications for Computer Scientist and Postdoc positions in any of the following areas:

- Biomedical data integration and knowledge engineering
- Information integration
- Knowledge technologies, workflows and big science
- Machine translation
- Natural language processing
- Robotics
- Social networks

# Professional Opportunities

Computer Scientist positions are permanent positions, subject to available funding. Postdoc positions are one-year positions, with the possibility of renewal.

## Application Procedure

Applicants for both the Computer Scientist and Postdoc positions must submit the following materials to [joinus@isi.edu](mailto:joinus@isi.edu).

- Contact information
- Curriculum vitae
- Research statement, including the type of job you are applying for
- Names, titles, and email addresses of three or more individuals who will be asked to provide letters of reference

For additional information please contact [joinus@isi.edu](mailto:joinus@isi.edu).

## Important Dates

The application deadline for 2014 appointments is December 20, 2013.

Start dates are flexible.

The University of Southern California values diversity and is committed to equal opportunity in employment.

[http://www.isi.edu/technology\\_groups/insy/joining\\_us/researchers](http://www.isi.edu/technology_groups/insy/joining_us/researchers)

## 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](mailto:gupta@utdallas.edu)) or send e-mail to [cs-search@utdallas.edu](mailto:cs-search@utdallas.edu) or view the Internet Web page at

## 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

<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/pci131115>.

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 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 foot 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](mailto:gupta@utdallas.edu)) or send e-mail to [cs-search@utdallas.edu](mailto: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/pcn131121>.

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.

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](mailto:cschair@usc.edu). Outstanding senior applicants who have demonstrated academic excellence and leadership, and whose past activities document a commitment to issues involving the advancement of women in science and engineering may be also considered for the Lloyd Armstrong, Jr. Endowed Chair, which is supported by the Women in Science and Engineering Program endowment.

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.

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 and 45 research 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.*

**USC**  
**Viterbi**  
School of Engineering  
Department of  
Computer Science

<http://tinyurl.com/USCCS2014>



# Professional Opportunities

## University of Texas Pan American

*Computer Science Department –  
Computer Engineering*

*2 Assistant Professors*

The Department of Computer Science (<http://utpa.edu/cs>) at the University of Texas-Pan American (UTPA) (<http://utpa.edu>) seeks applications for two tenure-track Assistant Professor positions in Computer Engineering (F13:14-028).

Please go to [www.utpa.edu/human\\_resources/employment.pdf](http://www.utpa.edu/human_resources/employment.pdf) for complete job description.

## University of Texas at San Antonio

*Office of Information Technology*

*Endowed Assistant Professors in Cloud Computing*

The University of Texas at San Antonio (UTSA) invites applications for multiple endowed Assistant Professor positions in Cloud Computing Technologies beginning August 2014. All cloud computing research areas will be considered, but high preference will be given to candidates with primary expertise in the areas of system architecture, hardware/software

structures, virtualization, performance, dependability, scalability, cyber security, power management, risk assessment, system management, as well as economic, business and organizational analyses. Candidates must have a Ph.D. degree at the time of hire in Information Systems/Technology, Computer Science, Electrical/Computer Engineering, or in a related area with outstanding academic credentials that clearly demonstrate their ability to conduct independent and successful research and teaching in cloud computing. Candidates must have excellent communication skills with a commitment to engage in a first-rate undergraduate and graduate education. Responsibilities for the positions include research, teaching at both the graduate and undergraduate levels, and development of programs.

UTSA offers degree programs in Computer Science (B.S., M.S., Ph.D.), Computer Engineering (B.S., M.S.), Electrical Engineering (B.S., M.S., Ph.D.), and Information Technology (B.B.A., M.S., Ph.D.), supporting dynamic and growing programs. The research activities and experimental facilities are well supported by various federal research and infrastructure grants. Successful applicants will have qualifications suitable to hold a tenured position in one (or more) of three departments at the university: Computer Science (<http://www.cs.utsa.edu>), Electrical

and Computer Engineering (<http://www.ece.utsa.edu>), or Information Systems and Cyber Security (<http://business.utsa.edu/it/index.aspx>).

Applications should include a cover letter, a complete resume, research and teaching statements as well as the names, addresses and telephone numbers of at least three references. Incomplete applications will not be considered. Applications must have "Assistant Professor in Cloud Computing" in the subject line. Applicants who are invited to campus for interviews must be able to show proof that they will be eligible and qualified to work in the United States by the time of hire. Applications may be emailed to [UTSAcloudsearch2014@utsa.edu](mailto:UTSAcloudsearch2014@utsa.edu) or sent by regular mail to:

Chair of Faculty Search Committee, Open Cloud Computing Initiative  
Office of Information Technology  
The University of Texas at San Antonio  
One UTSA Circle  
San Antonio, TX 78249

Review of completed applications will begin immediately and will continue until all positions are filled. UTSA is an Affirmative Action/Equal Employment Opportunity Employer. Women, minorities, veterans, and individuals with disabilities are encouraged to apply.

## THE UNIVERSITY OF TEXAS AT SAN ANTONIO

### Faculty Positions in Computer Science

The Department of Computer Science at The University of Texas at San Antonio invites applications for multiple tenure/tenure-track positions at all levels, starting Fall 2014. We are particularly interested in candidates in

- operating systems, distributed systems, or computer architecture at the assistant or associate professor level,
- big data/data science at the assistant or associate professor level, and
- cyber security (especially systems security) at the associate or full professor level.

Outstanding candidates in other areas will also be considered.

The Department of Computer Science currently has 22 faculty members and offers B.S., M.S., and Ph.D. degrees supporting a dynamic and growing program with 801 undergraduates and more than 190 graduate students, including 85 Ph.D. students. See <http://www.cs.utsa.edu/fsearch> for application instructions and additional information on the Department of Computer Science.

Screening of applications will begin on January 2, 2014 and will continue until the positions are filled or the search is closed. UTSA is an EO/AA Employer.

**Chair of Faculty Search Committee  
Department of Computer Science  
The University of Texas at San Antonio  
One UTSA Circle  
San Antonio, TX 78249-0667  
Phone: 210-458-4436**



## University of Toronto

*Department of Computer Science*

*Full-Time Teaching-Stream Appointment*

The Department of Computer Science, University of Toronto seeks an enthusiastic and innovative teacher for a full-time teaching-stream appointment in the field of Computer Science. The appointment will be at the rank of Lecturer and will begin on July 1, 2014. We seek candidates who have a record of excellent teaching, possess the intellectual curiosity to pursue novel and innovative methods of thinking and teaching, and are interested in establishing a long-term teaching career with the Department. Candidates from all areas of Computer Science are invited to apply. Particular attention will be given to candidates with an interest in or experience teaching Software Engineering. Candidates must have a graduate degree (PhD preferred) in computer science or a related field by the time of appointment or shortly thereafter.

Responsibilities include undergraduate teaching, managing teaching assistants, developing course materials, and curriculum development. In addition, each faculty member has some responsibility for student recruitment and departmental administration. Appointments at the rank of Lecturer may be renewed annually to a maximum of five

## Professional Opportunities

years. In the fifth year of service, Lecturers shall be reviewed and a recommendation made with respect to promotion to the rank of Senior Lecturer. Senior Lecturers hold continuing appointments at the University. Salary will be commensurate with qualifications and experience.

Applicants should apply online at <http://recruit.cs.toronto.edu/>, and include curriculum vitae, a list of publications, statement of career goals and teaching philosophy, teaching dossier, and the names and email addresses of three to five referees who may be contacted to provide a letter of reference. Review of applications will begin on January 15, 2014 and continue until the position is filled. If you have any questions regarding this position, please contact Sara Burns at [recruit@cs.toronto.edu](mailto:recruit@cs.toronto.edu). The successful candidate will join a vibrant group of Lecturers who are engaged in pedagogical and curricular innovations, development of new teaching technologies, and research in computer science education. For more information about the Department of Computer Science, please visit our home page at [www.cs.toronto.edu](http://www.cs.toronto.edu).

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to the further diversification of ideas. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

### University of Toronto

#### Tenure-Stream Appointment

The Department of Computer Science and the Donnelly Centre for Cellular and Biomolecular Research at the University of Toronto invite applications for a tenure-stream appointment in Computational Biology or Bioinformatics. The appointment is at the rank of Assistant Professor and will begin on July 1, 2014.

We seek an emerging researcher with an exceptional research record and excellent teaching credentials. The successful candidate is expected to pursue innovative research at the highest level; to establish a strong, externally funded research program; to have a strong commitment to undergraduate and graduate teaching; and to participate actively in the Donnelly Centre and Department of Computer Science.

Successful candidates will also have the opportunity to take advantage of the University's strengths in biology and bioinformatics – and computational, medical and biological sciences more broadly – and to facilitate further interaction with other units. To facilitate such interactions, the successful

candidate will hold a joint appointment between the Department of Computer Science (51%) and the Donnelly Centre (49%). The candidate may also be nominated for a prestigious Tier II Canada Research Chair. For further information on these federally endowed Chairs see [www.chairs.gc.ca](http://www.chairs.gc.ca).

The Department of Computer Science is an international leader in research and teaching, with recognized strength in most areas of computer science. The Donnelly Centre is an interdisciplinary research institute at the University of Toronto with the mandate to create a research environment that encourages integration of biology, computer science, engineering and chemistry, and that spans leading areas of biomedical research. Toronto is a vibrant and cosmopolitan city, one of the most desirable in the world in which to work and live, and a major centre for advanced computer, medical and biological technologies with strong ties to the University.

Applicants should apply online at <http://academicjobsonline.com/ajo/jobs/3641>, and include curriculum vitae, a list of publications, a research and teaching statement, and the names and email addresses of at least three references. Other supporting materials may also be included. Although we expect applicants to have a PhD and postdoctoral training in the computational sciences (computer science, computational biology and quantitative biology), exceptional candidates with recent or imminently-expected PhDs will be also considered.

Evidence of excellence in research and teaching is required. Salaries are competitive with our North American peers and will be commensurate with qualifications and experience. To receive full consideration, applications should be received by January 10, 2014.

For more information on the Department of Computer Science see: [www.cs.toronto.edu](http://www.cs.toronto.edu) and for the Donnelly Centre for Cellular and Biomolecular Research see: [www.thedonnelycentre.utoronto.ca](http://www.thedonnelycentre.utoronto.ca). For questions regarding this position, please contact Sara Burns at [recruit@cs.toronto.edu](mailto:recruit@cs.toronto.edu).

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to the further diversification of ideas. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

### University of Toronto

#### Three Tenure-Stream Appointments in Computer Science

The University of Toronto invites applications for three tenure-stream appointments in Computer Science at the rank of Assistant Professor. The appointments will be with the tri-campus Graduate Department of Computer Science and its affiliated undergraduate departments:

- Department of Mathematical and Computational Sciences, University of Toronto Mississauga: specific areas of interest include operating systems, networks, distributed systems, database systems, computer architecture, programming languages, and software engineering.
- Department of Computer and Mathematical Sciences, University of Toronto Scarborough: all areas of Computer Science.
- Department of Computer Science, University of Toronto St. George: all areas of Computer Science that touch upon Big Data in the broadest possible sense-including but certainly not limited to theoretical foundations, algorithms, systems, software, applications and cross-disciplinary research. The candidate may also be nominated for a prestigious Tier II Canada Research Chair.

For further information on these federally endowed Chairs see [www.chairs.gc.ca](http://www.chairs.gc.ca). All appointments will begin on July 1, 2014. The University of Toronto is an international leader in computer science research and education. Successful candidates are expected to pursue innovative research at the highest level; to establish a strong, externally funded research program; to have a strong commitment to undergraduate and graduate teaching; to contribute to the enrichment of undergraduate programs in their department; and to participate actively in the Graduate Department of Computer Science.

Candidates should have a Ph.D. in computer science or a related field by the date of appointment or shortly thereafter. Evidence of excellence in teaching and research is required. Salaries are competitive with our North American peers and will be commensurate with qualifications and experience.

Applicants should apply online through AcademicJobsOnline, <https://academicjobsonline.org/ajo/jobs/3615>, and include a curriculum vitae, a list of publications, research and teaching statements, and the names and email addresses of at least three references, who will upload confidential letters.

To receive full consideration, applications should be received by January 10, 2014. For more information about Computer Science on the three campuses of the University of Toronto, see our websites (St George: [web.cs.toronto.edu](http://web.cs.toronto.edu); UTM: [www.utm.utoronto.ca/math-cs-stats](http://www.utm.utoronto.ca/math-cs-stats); UTSC: [www.utsc.utoronto.ca/cms](http://www.utsc.utoronto.ca/cms)), or contact Sara Burns at [recruit@cs.toronto.edu](mailto:recruit@cs.toronto.edu).

# Professional Opportunities

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to the further diversification of ideas. The University is responsive to the needs of dual career couples. The University of Toronto offers the opportunity to conduct research, teach, and live in one of the most diverse cities in the world. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

## University of Utah

### School of Computing

#### Tenure-Track or Tenured Faculty Position in Visualization

The University of Utah's School of Computing is seeking to hire an outstanding tenure-track or tenured faculty member in visualization. We are particularly interested in candidates with expertise and an excellent research record in information visualization and visual analysis. These interest areas reflect our strong research reputation in scientific and biomedical visualization, image analysis, and interdisciplinary scientific computing within the Scientific Computing and Imaging (SCI) Institute.

Applicants should have earned a Ph.D. in Computer Science or a closely related field. The University of Utah is located in Salt Lake City, the hub of a large metropolitan area with excellent cultural facilities and unsurpassed opportunities for outdoor recreation only a few minutes drive away. Additional information about the school and our current faculty can be found at [www.cs.utah.edu](http://www.cs.utah.edu). Please send curriculum vitae, a research goals statement, a teaching goals statement, and names and addresses of at least four references.

Please go to the following link to apply: <https://utah.peopleadmin.com/postings/27729>.

Applications will be evaluated as received until the positions are filled. Applicants are encouraged to apply at their earliest convenience.

The University of Utah is fully committed to affirmative action and to its policies of nondiscrimination and equal opportunity in all programs, activities, and employment. Employment decisions are made without regard to race, color, national origin, sex, age, status as a person with a disability, religion, sexual orientation, gender identity or expression, and status as a protected veteran. The University seeks to provide equal access for people with disabilities. Reasonable prior notice is needed to arrange accommodations. Evidence of practices not consistent with these policies should be reported to: Director,

Office of Equal Opportunity and Affirmative Action, (801) 581-8365 (V/TDD).

The University of Utah values candidates who have experience working in settings with students from diverse backgrounds, and possess a strong commitment to improving access to higher education for historically underrepresented students.

## University of Utah

### Tenure-Track Faculty Position Openings

The University of Utah's School of Computing is seeking to hire four tenure-track faculty members at the assistant professor level. Applications will be considered at more advanced ranks in exceptional cases. The School is a demonstrated leader in research that spans multiple areas within computer science and also crosses disciplinary boundaries. Our priority areas are:

- Computer Security
- Operating Systems and Distributed Systems
- Big Data Analytics and Scalable Computation: principled approaches to big data analytics with a focus on the development of scalable techniques that are efficient for large scale storage and computing infrastructures.
- 3D Computer Vision: 3D analysis of objects and scenes from active and passive sensor data, such as multi-view 2D images, video, range data, structured light, fusion of multiple sensors, etc.

Applicants must have earned a Ph.D. in Computer Science or a closely related field and have a strong research presence and publication record in top tier venues in the applicable area.

The University of Utah is located in Salt Lake City, the hub of a large metropolitan area with excellent cultural facilities and unsurpassed outdoor recreation opportunities just a few minutes away from campus. Additional information about the school and our current faculty can be found at <http://www.cs.utah.edu>. Please send curriculum vitae, a research goals statement, a teaching goals statement, and names and addresses of at least four references. Please go to the following link to apply:

Computer Security position  
<http://utah.peopleadmin.com/postings/27142>

Operating Systems and Distributed Systems position  
<http://utah.peopleadmin.com/postings/27491>

3D Computer Vision position  
<http://utah.peopleadmin.com/postings/27493>

Big Data Analytics and Scalable Computation position  
<http://utah.peopleadmin.com/postings/27494>

Review of applications will begin after December 1st and will continue until the positions are filled

The University of Utah is an Equal Opportunity/Affirmative Action employer and educator. Minorities, women, and persons with disabilities are strongly encouraged to apply. Veterans preference. Reasonable accommodations provided. For additional information: <http://www.regulations.utah.edu/humanResources/5-106.html>.

The University of Utah values candidates who have experience working in settings with students from diverse backgrounds, and possess a strong commitment to improving access to higher education for historically underrepresented students.

## University of Virginia

### Department of Computer Science - School of Engineering and Applied Science

#### Open Rank Faculty Position

Two hundred years ago, Thomas Jefferson founded the University of Virginia with a vision "to advance the knowledge and well-being of mankind, not infinitely, as some have said, but indefinitely." The Department of Computer Science seeks to fill one or more tenure-track faculty positions to help us continue this mission. We are interested in candidates from all areas and at all levels of seniority. We are primarily interested in the originality and potential impact of your ideas, as well as your capability and inclination to make the world a better place.

UVA is located in Charlottesville, Virginia. Situated in the beautiful foothills of the Blue Ridge Mountains and in close proximity to Washington, DC, Charlottesville consistently ranks among the top cities to live and work. The University is a Carnegie Research I University and includes a top-ranked medical school, graduate business school, and law school. UVA is consistently ranked as a top public university. The University of Virginia is an equal opportunity/affirmative action employer.

The Department of Computer Science is housed in the new, six-story Rice Hall, which serves as the nexus for research in high-performance computing, wireless health, cyber-physical systems, bioinformatics, graphics, security, dependability, cryptography, software engineering, machine learning, and computer vision. Our faculty is comprised of twenty-four active members committed to Jefferson's vision. Our faculty includes fellows of various professional societies, many NSF CAREER award recipients, a Microsoft New Faculty Award Winner, and a Packard Fellow. The University, our location, and our faculty provide a vibrant intellectual environment for research and education in computing and related disciplines.

We expect our faculty members to seek external funding to support their research, to teach at the

# Professional Opportunities

graduate and undergraduate levels, and to provide service to the Department, the University, and professional organizations. Candidates must hold a Ph.D. in computer science or a related discipline.

We will begin reading applications on December 15, 2013. Our review will continue until the position is filled.

To apply, candidates must submit a Candidate Profile through jobs@UVA (<https://jobs.virginia.edu>), search on posting number 0612917.

Then go to Interfolio (<https://apply.interfolio.com/23187>) and attach the following required documents:

- Cover letter
- CV
- Statement of Research Interests
- Statement of Teaching Philosophy
- Contact information for 3 references

For additional information, contact: Christine Palazzolo, [cmh3g@virginia.edu](mailto:cmh3g@virginia.edu)

The University of Virginia is an equal opportunity and affirmative action employer committed to developing diversity in faculty and welcomes applications from women, minorities, veterans and persons with disabilities.

## University of Washington

### Computer Science & Engineering

#### Tenure-Track, Research, and Teaching Faculty

The University of Washington's Department of Computer Science & Engineering has one or more open positions in a wide variety of technical areas in both Computer Science and Computer Engineering, and at all professional levels. A moderate teaching load allows time for quality research and close involvement with students. Our space in the Paul G. Allen Center for Computer Science & Engineering provides opportunities for new projects and initiatives. The Seattle area is particularly attractive given the presence of significant industrial research laboratories as well as a vibrant technology-driven entrepreneurial community that further enhances the intellectual atmosphere. Information about the department can be found on the web at <http://www.cs.washington.edu>.

We welcome applicants in all research areas in Computer Science and Computer Engineering including both core and inter-disciplinary areas. We expect candidates to have a strong commitment both to research and to teaching. We are primarily focused on hires at the Assistant or Associate professorial ranks although individuals at senior ranks with exceptional credentials may be considered. We also may be seeking full-time

non-tenured research faculty at Research Assistant, Associate and Professor levels, and full-time postdoctoral researchers (Research Associates). Applicants for both tenure-track and research positions must have earned a doctorate, or foreign equivalent, by the date of appointment. All University of Washington faculty engage in teaching, research and service.

We also are seeking one or more part-time or full-time Lecturers and Sr. Lecturers. Applicants for lecturer positions must have earned at least a Master's degree or have relevant teaching experience in the course area. Lecturers and Sr. Lecturers will be hired on an annual or multi-annual appointment.

Please apply online at <https://norfolk.cs.washington.edu/apply> with a letter of application, a complete curriculum vitae, statement of research and teaching interests, and the names of four references. Applications received by December 1, 2013 will be given priority consideration. Open positions are contingent on funding.

The University of Washington was awarded an Alfred P. Sloan Award for Faculty Career Flexibility in 2006. In addition, the University of Washington is a recipient of a National Science Foundation ADVANCE Institutional Transformation Award to increase the participation of women in academic science and engineering careers. We are building a culturally diverse faculty and encourage applications from women and minority candidates. The University of Washington is an affirmative action, equal opportunity employer.

## University of Washington

### Tenure Track Faculty Positions

The University of Washington Information School is seeking outstanding individuals to fill full-time 9-month tenure-track positions in the areas of Digital Youth; and Information Visualization and Analytics.

Our new colleagues will join a broad-based, inclusive information school. Faculty members teach across programs. University of Washington faculty engage in teaching, research and service. Successful candidates will show a commitment to bridging research and practice. Applicants must have a Ph.D. or equivalent degree by date of appointment.

For complete position announcements and information on how to apply visit <http://ischool.uw.edu/jobs/faculty>.

The University of Washington is an affirmative action, equal opportunity employer. The University is building a culturally diverse faculty and staff, and strongly encourages applications from women, minorities, individuals with disabilities and covered

veterans. Applicants may find further information about the UW Information School at [ischool.uw.edu](http://ischool.uw.edu).

## University of Washington, Seattle Campus

### Department of Computer Science & Engineering (CSE) and Department of Statistics (Stat)

#### Open-Rank Tenured or Tenure-Track Faculty Position

The Provost of the University of Washington has launched a major effort focused on Data-Driven Discovery, with a commitment to hire several new faculty in this area. In support of this effort, we are seeking candidates for one open-rank tenured or tenure-track faculty position jointly in the Department of Computer Science & Engineering and the Department of Statistics at the University of Washington. This position will be a full-time joint appointment in both departments with precise percentages as appropriate for the candidate. The new faculty will also participate in the UW eScience Institute.

We encourage applications from exceptional candidates at the intersection of computer science and statistics, with a particular focus on machine learning and large-scale statistical analysis. We expect candidates to have a strong commitment to both research and teaching. The joint position will be primarily focused on hires at the Assistant Professor or Associate Professor levels although individuals at senior ranks with exceptional credentials may be considered. Applicants must have earned a PhD, or foreign equivalent, by the date of appointment. All University of Washington faculty engage in teaching, research and service.

The CSE and Stat departments are located less than 5 minutes apart on the Seattle campus, enabling cross department collaborations and initiatives. The Seattle area is particularly attractive given the presence of significant industrial research laboratories, a vibrant technology-driven entrepreneurial community, and spectacular natural beauty.

Application Instructions:

Please apply online at <https://statcse.cs.washington.edu/apply> with a letter of application, a complete curriculum vitae, a statement of research and teaching interests, and the names of at least four references. The review of applications will start on November 15, 2013, and those received by January 15, 2014, will be given priority consideration. Open positions are contingent on funding.

The University of Washington was awarded an Alfred P. Sloan Award for Faculty Career Flexibility in 2006. In addition, the University of Washington is a recipient of a National Science Foundation ADVANCE Institutional Transformation Award to increase the

# Professional Opportunities

participation of women in academic science and engineering careers. We are building a culturally diverse faculty and encourage applications from women and minority candidates. The University of Washington is an affirmative action, equal opportunity employer.

## University of Waterloo

*David R. Cheriton School of Computer Science*  
*Tenured and Tenure-Track Faculty Positions*

Applications are invited for several tenure-track or tenured faculty positions in the David R. Cheriton School of Computer Science.

(a) One senior tenured David R. Cheriton Chair in Software Systems is open for candidates with outstanding research records in software systems (very broadly defined). The successful applicant will be an acknowledged leader in his or her field or have demonstrated the potential to become such a leader. This position includes substantial research support and a teaching reduction.

(b) Several tenure-track positions are open for candidates who will enhance the school's strength in any area of computer science. We are open to making more senior appointments should the circumstances warrant.

Successful applicants who join the University of Waterloo are expected to be leaders in research, engage actively in graduate-student supervision, and contribute to the overall development of the School. A Ph.D. in Computer Science, or equivalent, is required, with evidence of excellence in teaching and research. Rank and salary will be commensurate with experience, and appointments are expected to commence during the 2013 calendar year.

With over 70 faculty members, the University of Waterloo's David R. Cheriton School of Computer Science is the largest in Canada. It enjoys an excellent reputation in pure and applied research and houses a diverse research program of international stature. Because of its recognized capabilities, the School attracts exceptionally well-qualified students at both undergraduate and graduate levels. In addition, the University has an enlightened intellectual property policy which vests all rights in the inventor. Please see our web site for more information: <http://www.cs.uwaterloo.ca>.

To submit an application, please register at the submission site: <http://www.cs.uwaterloo.ca/faculty-recruiting>. Once registered, instructions will be provided regarding how to submit your application. Applications will be considered when they are complete and as long as positions are available. However, full consideration is assured only for applications received by November 30, 2013.

The University of Waterloo encourages applications from all qualified individuals, including women, members of visible minorities, native peoples, and persons with disabilities. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority.

## 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-chaieres.gc.ca](http://www.chairs-chaieres.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](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](mailto: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](http://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?pvlnum=77887>.

# Professional Opportunities

## Valparaiso University

### Two Positions

Valparaiso University seeks qualified applicants for two positions in Computer Science, at the Assistant and Associate Professor level. Full details about each opening and application instructions can be found at <http://www.valpo.edu/provost>.

Candidates should be interested in working at a university engaged in issues in Christian higher education in the Lutheran tradition.

Valparaiso University does not unlawfully discriminate and aims to employ persons of various backgrounds and experiences to help constitute a diverse community. Its entire EOE policy can be found at <http://www.valpo.edu/> equal opportunity Successful applicants will demonstrate a commitment to cultural diversity and the ability to work with individuals or groups from diverse backgrounds. Employment will require a criminal background check.

## 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](mailto: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](http://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 [eceresearch@vcu.edu](mailto:eceresearch@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.

## Virginia Commonwealth University (VCU)

### School of Engineering

#### Tenure-Track Positions, Computer Science

The Computer Science Department in the School of Engineering at Virginia Commonwealth University (VCU) invites applications for tenure-track positions at the rank of Assistant, Associate and Full Professor. Candidates must have a Ph.D. in computer science or a related area. Junior faculty will be required to have an established research agenda and a clear potential for external funding, and potential for scholarship or creative expression to complement and expand existing expertise in the department and the School of Engineering. At the Associate and Full Professor levels, the faculty member should have a well-developed research portfolio with evidence of multidisciplinary applications and external funding appropriate to complement and expand existing expertise within the department.

Applicants in all areas of computer science will be considered; however, candidates with research focus on biomedical informatics and big data mining who are open to conducting interdisciplinary research are of particular interest. Candidates must desire to actively participate in creating and nurturing a highly collaborative, creative, innovative, and entrepreneurial culture. Collaborations are encouraged with other VCU units such as the nationally top-ranked VCU Medical Center, and Arts and Business Schools. Successful candidates are expected to teach courses at both the undergraduate and graduate levels. Additionally, candidates must have demonstrated experience working in and fostering a diverse faculty, staff, and student environment, or commitment to do so as a faculty member at VCU.

VCU, the largest urban university in Virginia, is a Carnegie-classified very high research activity university, ranked in the top 100 universities in the U.S. in federal R&D expenditures. The School of Engineering is in an extensive growing stage, doubling the number of faculty and improving the quality of graduate and undergraduate students. Additional information about the VCU School of Engineering can be found at [www.egr.vcu.edu](http://www.egr.vcu.edu).

Review of the applications will continue until suitable candidates are identified. Candidates are to submit applications to [cmscsearch@vcu.edu](mailto:cmscsearch@vcu.edu) as a single PDF file that includes, in order, a cover letter, curriculum vitae, research and teaching statements, and the names and e-mail addresses of three references (reference letters should be provided only upon request by the search committee).

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

# 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](http://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.



### 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](http://www.ece.vt.edu) for complete information and the application process. EO/AA



## Faculty Positions Available in the Department of Computer Science

The Department of Computer Science at Virginia Tech ([www.cs.vt.edu](http://www.cs.vt.edu)) seeks applicants for 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](http://dac.cs.vt.edu)). There also are rich opportunities in a highly collaborative department with strengths in HCI, high performance and scientific computing, computational biology and bioinformatics, information retrieval, software engineering, CyberArts, and CS education. Research on security and personal health informatics is possible in collaboration with the VT-Carilion Research Institute associated with the VT-Carilion School of Medicine. See [www.cs.vt.edu/FacultySearch](http://www.cs.vt.edu/FacultySearch) for additional information on how to apply online. Inquiries should be directed to **Dr. Adrian Sandu, Search Committee Chair, sandu@cs.vt.edu**.

**ASSISTANT PROFESSOR IN ALGORITHMS:** Full-time tenure-track position, at the rank of Assistant Professor, for outstanding candidates in theoretical computer science, specifically with research focus in discrete algorithms. It is desirable that the candidate have the ability to develop synergistic collaborations with established research areas such as computational biology and bioinformatics, cyber security, and data mining. See [www.cs.vt.edu/FacultySearch](http://www.cs.vt.edu/FacultySearch) for additional information on how to apply online. Inquiries should be directed to **Dr. Lenny Heath, Search Committee Chair, heath@vt.edu**.

**ASSISTANT PROFESSOR IN HUMAN-COMPUTER INTERACTION:** Full-time tenure-track position, at the rank of Assistant Professor, for outstanding candidates with expertise in HCI. The department is especially interested in candidates in sub-areas of HCI involving human interaction with big data or advanced technologies, such as large-scale data visualization and/or human-robot interaction. Nevertheless, candidates from all areas of HCI are encouraged to apply. Candidates will have opportunities for collaboration in the interdisciplinary Center for Human-Computer Interaction ([hci.vt.edu](http://hci.vt.edu)), a university-wide effort that brings together faculty with strengths in multi-sensory interactive communication, ecologies of displays and devices, social/collaborative computing, and human aspects of data/information/ knowledge. See [www.cs.vt.edu/FacultySearch](http://www.cs.vt.edu/FacultySearch) for additional information on how to apply online. Inquiries should be directed to **Dr. Doug Bowman, Search Committee Chair, bowman@vt.edu**.

**ASSISTANT PROFESSOR IN SOFTWARE ENGINEERING/PROGRAMMING LANGUAGES:** Full-time tenure-track position, at the rank of Assistant Professor, for outstanding candidates with research breadth across several areas of software engineering and/or programming languages (e.g., mobile applications, Web-based software, testing, program analysis, domain specific languages, dynamic languages). See [www.cs.vt.edu/FacultySearch](http://www.cs.vt.edu/FacultySearch) for additional information on how to apply online. Inquiries should be directed to **Dr. Cal Ribbens, Search Committee Chair, ribbens@vt.edu**.

The Department of Computer Science has 36 research oriented tenure-track faculty and 11 research faculty. There are a total 12 NSF/DOE CAREER awards in the department. Research expenditures during FY2013 were \$11.7 million; total research funding at the beginning of FY2014 was \$34 million. BS, MS, and PhD degrees are offered, with an enrollment of over 550 undergraduate majors (12% women) and over 200 PhD/MS students. In 2010, CS@VT was ranked 5th in the country in recruiting quality of CS undergrads by the *Wall Street Journal*. The department is in the College of Engineering, whose undergraduate program was ranked 6th and graduate program was ranked 12th among public engineering schools in 2013 by *U.S. News & World Report*.

Applicant screening will begin on December 15, 2013 and continue until each position is filled. We welcome applications from women or minorities. Salary for suitably qualified applicants is competitive and commensurate with experience. Selected candidates must pass a criminal background check prior to employment.

*Virginia Tech is an equal opportunity/affirmative action institution.*

# Professional Opportunities

## Virginia Tech

### Advanced Research Computing - Information Technology

#### Director 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](http://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

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To learn more about this position or to apply, please visit [www.jobs.vt.edu](http://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.

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## Virginia Tech ([www.cs.vt.edu](http://www.cs.vt.edu))

### Department of Computer Science

#### Faculty Positions

The Department of Computer Science at Virginia Tech ([www.cs.vt.edu](http://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](http://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](http://www.cs.vt.edu/FacultySearch)). Inquiries should be directed to **Dr. Adrian Sandu, Search Committee Chair**, [sandu@cs.vt.edu](mailto: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](http://www.cs.vt.edu/FacultySearch)). Inquiries should be directed to **Dr. Lenny Heath, Search Committee Chair**, [heath@vt.edu](mailto: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](http://hci.vt.edu)), a university-wide effort that brings together faculty with strengths in multi-sensory interactive communication, ecologies of displays and devices, social/collaborative computing, and human aspects of data/information/knowledge. Applications must be submitted online to <http://jobs.vt.edu> reference posting #TR0130083 or use this direct link ([www.cs.vt.edu/FacultySearch](http://www.cs.vt.edu/FacultySearch)). Inquiries should be directed to **Dr. Doug Bowman, Search Committee Chair**, [bowman@vt.edu](mailto: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](http://www.cs.vt.edu/FacultySearch)). Inquiries should be directed to **Dr. Cal Ribbens, Search Committee Chair**, [ribbens@vt.edu](mailto: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*.

## Professional Opportunities

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.

### **Worcester Polytechnic Institute Tenure Track Faculty Members Computer Science Department**

Balance. Research & Teaching, Theory & Practice, Innovation & Fundamentals, Classes & Projects. Balance defines life at WPI. If you are that unique individual who strives for and achieves it, consider joining the faculty at WPI.

The Computer Science Department anticipates hiring one or more tenure track faculty for the Fall of 2014 whose expertise is in the following areas:

Computer Security including network, system, or software security, forensics and usable security; Data Sciences including databases, data mining, big data analytics and working with different application domains; Bioinformatics working in a cross-disciplinary program with faculty from Biology and Mathematics; Serious Games working with faculty in our Interactive Media & Game Development as well as our Learning Sciences & Technologies interdisciplinary programs; and Algorithms, particularly with connections to previously listed areas.

In addition to these specific areas, outstanding candidates in any area will receive full consideration. Candidates should have a PhD in Computer Science or a closely related field, and the potential for excellence in research and teaching.

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

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

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

Applications should be submitted per instructions at <http://apptrkr.com/394031>. You will need to include detailed research and teaching statements, vitae and contact information for at least three references.

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

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



# WPI

## Professional Opportunities

### BIOINFORMATICS Worcester Polytechnic Institute Tenure Track (Open Rank)



# WPI

WPI invites applications for a tenure track (open rank) position with a research focus in Bioinformatics, to begin in the fall of 2014. The appointment will be to one of the three departments supporting WPI's interdisciplinary Bioinformatics and Computational Biology Program: Biology and Biotechnology, Computer Sciences, or Mathematical Sciences. Supported by the state-of-the-art LSBC research facility, the successful candidate is expected to develop a robust, externally funded, high profile research program in bioinformatics or computational biology, and to support the teaching mission of the university. Applicants should have a Ph.D. in Bioinformatics, Computer Sciences, Biology, Statistics, Mathematics, or a related area, and significant postdoctoral research experience. Resources for startup funding are competitive and commensurate with research experience and accomplishments.

Applicants are asked to apply electronically by visiting Careers at WPI: [apptrkr.com/392529](http://apptrkr.com/392529). Review of applications will be conducted on a rolling basis and continue until the position is filled. To learn more about WPI, please visit <http://www.wpi.edu/academics/>.

EOE

## YaleNUSCollege

### HIRING APPLIED MATHEMATICS, COMPUTER SCIENCE, OR STATISTICS FACULTY

The newly established Yale-NUS College ([www.yale-nus.edu.sg](http://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](mailto:yale-nus.college@yale.edu). Review of applications will begin November 15<sup>th</sup>, 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>