



**CRA**

Computing Research  
Association

# Computing Research News

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

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# Announcements

## Taulbee Survey Deadline November 19

By Betsy Bizot, Director of Statistics and Evaluation

Is your academic unit participating in the 2014 CRA Taulbee Survey? It's not too late! The Taulbee Survey is the principal source of information on students and faculty in Ph.D.-granting computing programs in North America, and we'd like to include you.

Three reasons to participate in the CRA Taulbee Survey:

- ▶ More complete participation = more accurate picture of trends in the field. Many people (hopefully you, too) turn to the Taulbee Survey for answers. But the information we can provide is only as good as the information we receive.
- ▶ Participating departments get preliminary salary results at the end of December and complete results in advance of publication.
- ▶ Beginning in spring 2015, the Taulbee Survey will offer an online benchmarking capability. Departments can compare their own responses to the aggregate responses of a self-defined peer group. But, this feature will only be available CRA member departments that participate in Taulbee.

The preliminary deadline for salary data this year is November 19. The extended deadline is January 20 for the remaining Taulbee data: degrees awarded, student enrollment, faculty numbers, and research expenditures.

Departments that grant the Ph.D. in Computer Science, Computer Engineering, or Information are eligible to



participate in Taulbee. (Nondoctoral departments should check out the ACM survey of Non-doctoral Departments in Computing [NDC].)

For additional information on the Taulbee Survey, contact Dr. Betsy Bizot at [bizot@cra.org](mailto:bizot@cra.org) or at 202-266-2943.



### CRA-W Grad Cohort Workshop - Apply Today

We are now accepting applications for the 2015 CRA-W Grad Cohort Workshop scheduled to take place in San Francisco, California on April 10-11, 2015.

[Click here for more information and to apply.](#)

## National Research Council Seeks Comments on Future NSF Advanced Computing Activities

Advanced computing is being used to tackle a rapidly growing range of science and engineering problems. At the National Science Foundation's request, the National Research Council is examining future needs and priorities for advanced computing and is developing a framework to guide future

investments. Community input will inform the creation of the final report, which the NRC will release in 2015.

For more on the study, to view the NRC's interim report, and to submit comments, visit [nas.edu/ScienceComputing](http://nas.edu/ScienceComputing). Comments should be submitted by January 31, 2015.

## Announcements, *continued*

### Nominees 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.

The 32 member Board provides the membership for various standing committees, including the Communications, Government Affairs, Snowbird Conference, Taulbee Survey, Finance, and Elections committees. In addition, issues affecting computing research arise unexpectedly and Board members must take the initiative and lead CRA's responses. Many CRA committees and initiatives involve year-round attention, regular conference calls, communications with lab directors and department chairs, proposal writing, and sometimes travel at the expense of the individual Board members.

The Board as a whole meets twice a year, with travel and hotel costs paid by the individual members. Board members serve staggered three-year terms. At the discretion of the Elections committee and based upon a member's proactive service record during the expiring term, members wishing to stand for re-election may be included on the draft ballot. There is a three term limit. Candidates need not be affiliated with CRA member organizations. Anyone can nominate a candidate but candidates must agree to be nominated.

### Recent board activities include:

- ▶ Working with the computing research community to envision the future computing research.
- ▶ Increasing the participation of women and minorities in computing research.
- ▶ Thinking strategically about computing education and its impact on the research enterprise.
- ▶ Testifying before Congress and meeting with policymakers to explain the role of computing and computing research
- ▶ Developing workshops on critical policy issues
- ▶ Planning the biennial CRA Conference at Snowbird
- ▶ Conducting the annual CRA Taulbee Survey
- ▶ Monitoring the CRA's budget and expenses

### Important dates and events:

- ▶ The deadline for receipt of nominations is December 5, 2014. The Elections Committee will carefully consider all nominations, with the aim of a final ballot containing about twice as many candidates as there are open slots. Important criteria considered by the committee will include distribution of candidates and current Board members among member institutions, distribution among types and sizes of institutions, evidence of leadership, and evidence of interest in and capacity for service beyond that expected of all faculty members and researchers.
- ▶ On January 16, 2015, the Elections Committee will announce the draft ballot. Additional names may be added by the CRA community as described below.
- ▶ On February 6, 2015, nominations by petition are due. Each such nomination must be signed by the heads of at least 10 Constituent Member Organizations that are current in dues payment. Current CRA members are listed at <http://cra.org/about/members-list/>.
- ▶ On February 13, 2015, final ballots will be distributed to all CRA department chairs and lab directors. Each will have one vote for each open slot on the board.
- ▶ On February 27, 2015, completed ballots must be returned to CRA.

Additional information on CRA and its activities is available on the Web at <http://www.cra.org>.

Nomination forms and additional information are available at: <http://www.cra.org>.

Questions can be sent to elections [at] cra.org.

## Announcements, *continued*



### Nominations Open for CRA Service and Habermann Awards

The Computing Research Association invites nominations for the CRA Distinguished Service Award and the A. Nico Habermann Award for 2015.

#### Distinguished Service Award

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

#### A. Nico Habermann Award

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

#### Nomination Process

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

Nominators are responsible for collating the nomination materials before e-mailing the complete package to: awards [at] cra.org. The deadline for receipt of nominations is December 12, 2014.

Current members of the [CRA Board of Directors](#) are not eligible for these awards.

## That Was Then, This Is Now: 25 Years Ago in *CRN*

By Betsy Bizot, CRA Director of Statistics and Evaluation

A quarter of a century ago, *Computing Research News: The Quarterly Newsjournal of The Computing Research Board* published its first two issues, Volume 1, No. 1 in Summer 1989 and Volume 1, No. 2 in Fall 1989. A look through the back issues provides some interesting contrasts in what's changed and what hasn't. This is the first of a series of occasional articles looking back at the hot topics in *CRN* 25 years ago.

In Summer and Fall 1989, as reported in *CRN*:

### Leadership

The Computing Research Board (the predecessor organization of CRA) and ACM cosponsored a conference on Strategic Directions in Computing Research in October 1989. The objectives of the conference included building a consensus on computing research goals to legislators and funding agencies, setting priorities for research in various subfields, and publicizing the goals, importance, and impact of computing research. Attendees included academic computing researchers, industry and government lab managers, legislative staff, and government program managers. Research areas discussed were High Performance Architectures, Algorithms and Theory, Artificial Intelligence, Systems and Software, Neural Networks, and Technology to Support Computer-Based Collaboration. *CRA continues to play this community building and leadership role. CRA's Computing Community Consortium catalyzes the research community and enables the pursuit of innovative, high-impact research.*

The Taulbee Survey reported that 744 PhDs were awarded in Computer Science and Computer Engineering in 1987-88, twice as many as five years previously. *In 2012-13, the Taulbee Survey reported 1,991 PhDs in Computer Science, Computer Engineering, and Information.*

### Talent Development

Nancy Leveson provided input for an NSF advisory committee on women in computing research. She noted that the percentage of PhDs awarded to women had remained constant at about 10% since 1978. *Two years later in 1991, along with Maria Klawe, Nancy helped establish CRA's*

*Committee on the Status of Women in Computing Research, which continues to encourage and support women in computing research. In 2012-13, 18% of PhDs in the field were awarded to women.*

### Policy

There was concern about the NSF budget should the U.S. Senate concur with a recently-passed funding bill in the U.S. House of Representatives. *CRN* readers were encouraged to contact their senators about the importance of funding for scientific research by phone or telegram. *This may sound familiar, except for the telegram part.*

The Computing Research Board's Government Affairs Committee held its first meeting, with more than 25 people in attendance. Topics included the recently-announced Federal High Performance Computing Program. *CRA's Government Affairs Committee is still extremely active in helping shape public policy relevant to computing research.*

### Our Organization

The Computing Research Board moved out of an office in the IEEE Computer Society building into its own space. This allowed room for the expansion of staff from 2 (the Executive Director and the Administrative Assistant) to 5 (adding a Newsletter Editor, a Government Affairs Director, and a Secretary/Receptionist). Apple Computer donated four Macintosh computers and several Laserwriters to the new office, to be used for correspondence, the maintenance of membership and accounting records, and desktop publishing for *CRN*. *In fall 2014, CRA has expanded to a staff of 13, and the IT infrastructure is considerably more complex.*



1989-2014

## Expanding the Pipeline:

### Exciting Events at the 2014 Grace Hopper Celebration of Women in Computing

By A.J. Brush, Microsoft Research, CRA-W Co-Chair



The 2014 Grace Hopper Celebration of Women in Computing, held in Phoenix from Oct. 8th – 10th, hit several milestones this year. First, conference attendance dramatically increased to 8000 attendees from 4700 in 2013. Also, the first-ever Male Allies plenary panel, with top executives from Google, Facebook, GoDaddy, and

Intuit, occurred; this panel was a well-intentioned session, but created more controversy among the attendees than the Grace Hopper Conference attendees have ever seen. And with a remark during his keynote, Microsoft CEO Satya Nadella made the issue of pay equality for men and women front page news and brought the conference to the attention of the world. These milestones led to several interesting hallway conversations, some of which verged on arguments with significantly different points of view. One thing was clear, however; most of the attendees (perhaps all) agree that we need men (and women) to solve the diversity challenges that exist. So kudos to Satya and the other top male executives for having the interest and courage to come to an event that is 95% female. And further kudos to the companies that are implementing changes in their organizations based on what transpired during this year's Grace Hopper Celebration of Women in Computing. Until women represent close to 50% of those in the computing industry, we need to continue these important conversations.

Another exciting event at the 2014 Grace Hopper Celebration was the debut of the [Notable Women in Computing card deck](#). Created by Katy Dickinson,

Jessica Dickinson Goodman, and CRA-W Board member Susan Rodger (Duke University) to help publicize the CRA-W and Anita Borg Institute project to write Wikipedia pages for [Notable Women in Computing](#), you can now play your favorite card games while learning about notable women in computing. Purchase your [card deck](#) today!

Since 2009 CRA-W has helped provide career mentoring content for attendees interested in academic and industrial research at the undergraduate, graduate, early career, and mid-senior career levels. Designed to be "bite-sized" versions of our longer workshops, including the [Grad Cohort Workshop](#) and [Career Mentoring Workshops](#), our programs at Grace Hopper allow us to reach hundreds of attendees with career advice and make them aware of the additional programs CRA-W offers.

The [CRA-W mentoring sessions](#) took place on the afternoon of Oct 8th. For undergraduates, CRA-W staffed tables in the Student Opportunity Lab on four different topics: Undergraduate Research Experience,



GHC 2014 CRA-W Speakers

What Happens in Graduate School, How to Get Accepted to Graduate School, and Master's or Ph.D.? The Anita Borg Institute introduced the Student Opportunity Lab format in 2013 and continued it this year due to its popularity. The Lab is a large conference room with about 50 tables, each with different topics and 1-2 mentors. Short 20 minute sessions allow small groups of students to have interactive discussions with mentors at many different tables over the four-hour Student Opportunity Lab session. CRA-W Board member Andrea Danyluk (Williams College) coordinated our tables and recruited our 26 talented mentors. Mentors included graduate students who have participated in CRA-W programs previously, as well as speakers from our other sessions; the forum provides a fun way for more women to share their experiences

are consistently popular at Grace Hopper, as illustrated by over 200 attendees in each session this year.

CRA-W sessions for Early Career Faculty began with "Finding Your Dream Job", presented by Jaeyeon Jung (Microsoft Research) and Lana Yarosh (University of Minnesota). Gillian Hayes (UC-Irvine) and Susan Rodger (Duke University) then discussed "Starting, Managing and Growing Your Own Research Program." Lastly, attendees learned about "Preparing for Promotion" from speakers Kathryn McKinley (Microsoft Research) and Dilma Da Silva (Texas A&M University). "Finding Your Dream Job" always attracts a crowd, and had the most attendees once again (well over 200 this year). CRA-W sessions for mid-senior level faculty started with a discussion of Successful Leadership by Lori Pollock (University of Delaware) and Kathryn McKinley (Microsoft Research).

Deb Agarwal (Lawrence Berkeley National Laboratory) and Nancy Amato (Texas A&M University) then discussed "Managing Up", and the day ended with an interactive session devoted to attendee-chosen Career Mentoring Topics organized by Susan Rodger (Duke University).



Notable Women in Computing Playing Cards - a Full House

Other content organized by CRA-W Board members at this year's Grace Hopper Celebration included a panel entitled "Prof or Prez: Choosing Your Panel"

with others. Table mentors frequently tell us that these small group interactions are one of their favorite parts of the Grace Hopper Celebration.

The CRA-W track for Graduate Students focuses on helping attendees succeed in graduate school with three sessions: "Graduate School Survival Skills", presented by Jamika Burge (Information Systems Worldwide) and Rachel Pottinger (University of British Columbia), "Building Your Professional Persona", presented by Patty Lopez (Intel) and Jaime Teevan (Microsoft Research), and "Building Your Professional Network" presented by Elizabeth Bautista (Lawrence Berkeley National Lab) and Raquell Holmes (Boston University). These sessions

organized and moderated by Andrea Danyluk (Williams College) that highlighted the range of career possibilities for Senior Academics with four accomplished women panelists: Fran Berman (Rensselaer Polytechnic Institute), Jan Cuny (National Science Foundation), Maria Klawe (Harvey Mudd College), and Mary Lou Soffa (University of Virginia). The "Visibility Everywhere: Building Web/Social Media Presence for Women in Computing" panel organized by Susan Rodger (Duke University) covered how to maintain your personal web presence and also covered the CRA-W and Anita Borg Institute project to write Wikipedia pages for Notable Women in Computing. Ruthe Farmer (NCWIT) moderated the panel; panelists included Susan Rodger (Duke University),

Tracy Camp (Colorado School of Mines), Patty Lopez (Intel), and me. Lastly, several posters from the CRA-W Collaborative Research Experience for Undergraduates (CREU) program were presented in the Wednesday evening poster session.

Terrific CRA staff members Erik Russell, Ama Nyame-Mensah, and Heather Wright, with support from several CRA-W Board members, ensured our CRA-W booth in the very busy exhibition hall was always fully staffed. We kept busy answering questions and encouraging folks to participate in CRA-W programs. All in all, it was a busy and eventful conference. We look forward to Grace Hopper 2015 in Houston, Texas.

Slides from CRA-W sessions are available [here](#).

The ABI Grace Hopper [wiki](#) includes notes taken by attendees on many sessions.

### **About the author:**

*A.J. Brush is a Senior Research at Microsoft Research. Her research area is Human-Computer Interaction with a focus on Ubiquitous Computing and current obsession with Smart Homes. After four fun years of organizing the CRA-W workshops at Grace Hopper, in October 2014 she became Co-Chair of CRA-W with Nancy Amato (Texas A&M University).*

# Broadening Participation in AI

By Andrea Danyluk, Adele Howe, Maria Gini, Monica Anderson



At AAAI-13, several attendees remarked that the number of women and underrepresented minorities in attendance seemed even lower than in previous years, and they started talking about what could be done. So for 2014, with the encouragement of AAAI and financial support from the CRA-W and Coalition to

Diversify Computing (CDC) through the Discipline Specific Workshops program, we – Maria Gini, Adele Howe, Monica Anderson, and Andrea Danyluk – organized a set of activities aimed at increasing the number of women and members of other underrepresented groups in AI by encouraging and mentoring students and post-docs.

The activities were held at AAAI-14 in Quebec City, Quebec, Canada and spanned the entire conference: July 27-31, 2014. The sessions were designed to provide career mentoring, build community, and give participants the opportunity to network with peers and established researchers. The program also provided registration and travel support to many participants who needed it.

Twenty-one students and post-docs participated, including 16 women and 5 men. Nine participants self-identified as African American or Hispanic. Beyond the organizing committee, a dozen AI researchers volunteered as panelists and mentors.

## Building a Community

Building on a similar model for a workshop held at the Autonomous Agents and Multiagent Systems (AAMAS) conference in 2013, the AAAI-14 Discipline Specific Workshop began with an afternoon session the day before the start of the main conference program. The first part of this session comprised introductions and a career panel. Panelists discussed and answered questions on a wide range of topics, including the process of picking a research area and advisor, tips for networking, and research and teaching careers post Ph.D. The remainder of the session was devoted to small-group mentoring. Participants met in groups of two or three

with established researchers in related subareas of AI to discuss research and get advice.

Beyond being an informational and mentoring session, this segment of the workshop was designed to build community. Participants had plenty of time to meet each other, and the mentors encouraged them to take advantage of and seek out opportunities to learn and network at the conference. In a post-workshop survey, participants said they felt welcomed and supported by the AI community as a whole and enjoyed the opportunity to build their own communities and networks within it.

On the first formal day of the conference, the participants attended a lunch (sponsored, in large part, by the AI Journal) to which all women at AAAI had been invited. This significantly broadened their exposure to members of the AI community. Participants and mentors felt that this helped reinforce the sense of cohesion and community and enjoyed lively discussions during the meal.

On the final day of the conference, the participants gathered for a breakfast, sharing new insights they had gained at the conference and providing feedback to the organizers.

## Building a Career

Many factors contribute to the success of a research student or post doc. (1) The student needs to understand previous research as well as current research to contextualize her/his work. (2) S/he needs to develop an independent research project. This requires a creative mind; it also requires the opportunity to get feedback and suggestions not just from the student's advisor but from others in the field. (3) The student needs to build a network. (4) The student needs to build confidence in her/his abilities to ask questions, to explain her/his research ideas and problems and to contribute to the field.

The AAAI-14 Discipline Specific Workshop was designed to provide elements in all of these areas. As one student said in a post-workshop survey, s/he would not have attended AAAI without the support of the workshop. Thus the impact the



workshop had on enabling students to attend the conference was critical, giving them the opportunity to learn about cutting-edge research, talk to the researchers doing the work, and get feedback on their own research from the workshop mentors as well as from other conference attendees. As another participant said after the conference, “[the] mentoring session was by far the highlight, and I’d love to repeat that.” Finally, the workshop gave students the opportunity to network with the wider AI community. As one participant noted, “Contacts that I established may be useful in helping me find a position in academia.”

## Lessons Learned

Overall, participants who answered the survey question “Would you recommend this workshop to others?” unanimously said they would, but they also had suggestions to make the workshop even better. As organizers of the workshop, we hope that our own experience, together with the participants’ feedback, can serve to provide others with a starting point for running similar “broadening participation” workshops.

If co-located with a conference, hold the first workshop session before the conference’s official start. For some participants, this will be their first time at a research conference. They might be intimidated or simply not know anyone in the community. The workshop, then, is a perfect setting for participants to begin networking and also to get advice on how to get the most out of the conference.

If possible, arrange small group mentoring sessions. Some students who are new to a research area may be intimidated to discuss their work. Small group sessions give students the

support of other students in the group, while being intimate enough to encourage discussion. Match the research interests of the mentors directly to the research interests of the students for maximum mutual benefit.

If co-located with a conference, spread the workshop sessions over the duration of the conference. Periodic “check-in” with participants allows them to re-connect with each other and to address questions they may be accumulating over the course of the conference.

Remember that there are distinct stages in the lives of research students and post-docs. The progression from new student through Ph.D. through post-doc is a long one. Advice that is valuable to students early in their careers isn’t the same as the advice that’s valuable later on. Aim to address broad topics in large-group settings and more narrow topics in small-group discussions.

## Support for Discipline Specific Workshops

To learn more about the CRA-W/CDC Discipline Specific Workshop program, including how to apply for funding, go to <http://cra-w.org/ArticleDetails/tabid/77/ArticleID/52/Discipline-specific-Mentoring-Workshops-DSW.aspx>

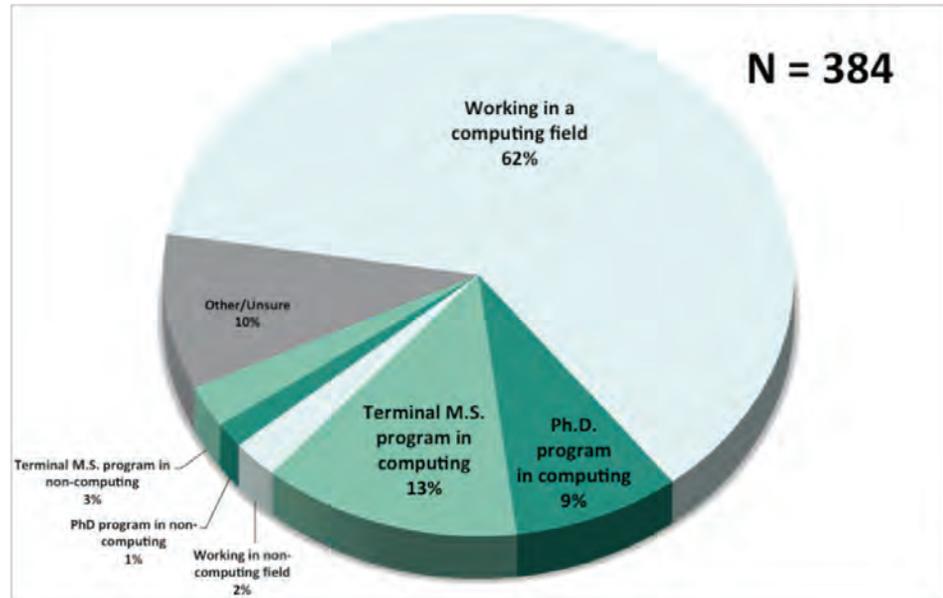
## About the authors:

Andrea Danyluk, Maria Gini, Adele Howe, and Monica Anderson are professors of Computer Science at Williams College, the University of Minnesota, Colorado State University, and the University of Alabama, respectively. Their research interests are in Artificial Intelligence. Andrea Danyluk and Maria Gini are members of CRA-W. Monica Anderson is a member of CDC.

## Undergraduate students report plans for after graduation

By Jane Stout, CERP Director

During the spring semester of 2014, we asked a sample of undergraduate students who were graduating/had graduated during the 2013-2014 academic year about their plans for the after graduation. 84% of students planned to continue pursuing computing in some capacity. The vast majority of students (62%) had plans to work in a computing field right after college. Of the full sample, only 9% planned to pursue a PhD in the field of computing.



*Notes on the sample:* Total N = 384. Students were graduating from the following distribution of **Institution Types**: 64% PhD granting; 16% Terminal M.S. granting and B.S. granting; 17% B.S. granting only; 3% missing information. The **Gender** distribution of the sample was as follows: 27% women; 72% men; 1% no response. The **Race** composition of the sample was as follows: 21% Asian; 4% African American/Black; 5% Hispanic/Latina/o; 8% Mixed Race; 57% White; 5% Other/No Response. Students' **Citizenship** status was as follows: 89% U.S. citizen; 2% permanent residents; 7% non-citizens with temporary visa; 2% missing information.



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

## CCC Updates



The **Computing Community Consortium (CCC)** has had a very active fall with two workshops held so far followed by a successful CCC OSTP community conference call.

- ▶ The September 10-11 **Aging in Place Workshop**, co-organized with NIH, received a number of positive responses from the community. One participant shared the following:

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*"I wanted to take this time to thank you for the opportunity to participate in what I considered an experience of a lifetime... Having a chance to hear and see the innovations and technology that have been tried, considered and continue to be developed for maintaining seniors was awe inspiring."*

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- ▶ The October 15-16 **Uncertainty in Computation** workshop included participants from the government, industry, and academia with diverse backgrounds in computing, climate, statistics, and decision science. The breadth of background and expertise made for extremely interesting discussions and breakout groups around questions such as "What are appropriate models for uncertainty?," "How is information about uncertainty best communicated?" and "What are recent disruptors that are creating new challenges and

opportunities for uncertainty modeling and decision-making?"

- ▶ On October 13, CCC Chair Greg Hager hosted a call that featured Office of Science and Technology Policy staff Randy Bryant and Tom Kalil. Tom and Randy gave a brief overview of ongoing computer science related activities and described agency activities in many areas including cyberphysical systems, privacy, and high performance computing. The call included an extended Q&A with department chairs from around the country.

The fall continues with the **CCC BRAIN workshop** on December 4-5 in Washington, DC. For more information about BRAIN, please visit [our website](#) or contact Ann Drobnis ([adrobnis@cra.org](mailto:adrobnis@cra.org)). As a reminder, the CCC continues to invite proposals for more visioning workshops that will catalyze and enable innovative research at the frontiers of computing. If you have any questions please refer to the [website](#) or these [Visioning Webinar Slides](#).

## CCC Uncertainty in Computation Workshop

Mahsa Mirzargar, Ph.D. and Lace Padilla from the University of Utah contributed to this post.



The Computing Community Consortium's (CCC) Uncertainty in Computation Visioning Workshop was held in Washington DC in mid October, led by Bill Thompson and Ross Whitaker from the University of Utah. The workshop brought together over 40 scientists from different disciplines including simulation and data science,

engineering, statistics, applied mathematics, visualization, decision science and psychology. The overarching goal of the workshop was to open a discussion between experts with diverse scientific backgrounds about the topic of uncertainty/risk and its communication. The attendees worked to articulate grand research challenges in understanding and communicating uncertainty inherent in computational processes – as an integral part of various scientific disciplines.

The workshop was organized to include individual talks, panel discussion and smaller interactive discussion sessions. Presentations were given by George Karniadakis on uncertainty quantification in simulation science, Christopher Re uncertainty in data analytics, James Berger on uncertainty quantification in statistics, Vasant Honavar on AI and machine learning, Alex Pang on uncertainty visualization, Mary Hegarty on perception and cognition of uncertainty, Michael Goodchild on uncertainty in geospatial data, and Eugenia Kalnay on uncertainty in weather forecasting.

Three panel discussions were held focusing on three sets of questions: (1) What should be the relationship between the sources of uncertainty in simulation and data science? How could/should the state-of-the-art of

UQ in scientific computing influence the emerging field of large-scale, data analytics? (2) What are the Grand Challenge problems in uncertainty in computation? To what extent can methods for dealing with uncertainty be generalized beyond specific application domains? (3) Is this the right moment to undertake a major new research initiative on Uncertainty in Computation? If so, how should we define the discipline? Is the state-of-the art such that transformational change is possible? What would be the impact of such an initiative, beyond the status quo?

During the course of the workshop, the attendees were able to articulate new grand challenges that necessitate the consideration of the impact of uncertainty in a variety of disciplines from new perspectives. In simulation science, recent advances have incorporated successful techniques for quantifying uncertainty associated with components of a complex system. However, there is still a need to better understand the propagation of uncertainty due to the interplay between such components that calls for development of uncertainty quantification technique at the system level. The deluge of data generated everyday also calls for development of new computation techniques that enable deployment of existing techniques at the extreme scale. Making such advances require consolidation of both broad and systematic research programs and educational agendas that are subsequently integrated into related fields such as data science and decision sciences. The final message is that we need to close the loop – from efforts at quantification through articulation/visualization to the decisions that impact our lives.

All presentations from the workshop can be found linked on the [workshop agenda](#). A full workshop report will be produced soon.

## Computer Science Education Week

The **sixth annual** [Computer Science Education Week](#) – CSEdWeek for short – **is just around the corner!** Endorsed by Congress as **December 8-14, 2014**, in recognition of [Rear Admiral Grace Murray Hopper's](#) birthday (Dec. 9th, 1906) and her many contributions to the field of computer science, **CSEdWeek is “a call to action to raise awareness of computer science education and computing careers for students, educators, and the public.”**

There are numerous [events and activities](#) planned throughout the nation to illustrate how computer science education is essential for all students. It exposes them to critical thinking and problem solving, provides an understanding of computational thinking necessary for success in the digital era, and prepares them to attack the world's most challenging problems from a computational perspective.

Help us spread the word about [CSEdWeek](#) – and computer science education and computing careers more generally:

- ▶ Join the [Hour of Code](#): Engage students of all ages in coding.
- ▶ Create an event for your students and share it on the [CS Ed Week Events](#) page to inspire others.
- ▶ **Spread the word about computing careers:** Visit a school, class or youth group to talk about your career in computing and opportunities in the field; see the [guide to youth outreach for technical professionals](#) for some pointers.
- ▶ **Host a company tour or have a student shadow you in your job for a day:** Share information about your educational and career path, computing career rewards, and how technology is changing the world through your work.
- ▶ **Advocate for quality computer science education:** Visit your local school board, superintendent, or principal and urge rigorous, engaging computer science classes. Check out [code.org](#) and the [National Center for Women and Information Technology \(NCWIT\)](#) for some talking points.
- ▶ See [Exploring Computer Science](#) and [AP CS Principles](#) for information on two exciting new high school courses that are scaling nationwide.
- ▶ Contact other groups in your community that reach kids and help them set up computing activities too. See additional resources at [CS Ed Week Teacher Resources](#).

**And easiest of all, simply *express your support for CSEdWeek* by joining the twitter conversation (#CSEdWeek) to make others aware of the importance of Computer Science Education for all students.**

## CRA Board Members

**Sarita Adve**, University of Illinois  
**Nancy Amato**, Texas A&M University  
**David Bader**, Georgia Institute of Technology  
**Ken Barker**, University of Calgary  
**Ronald Brachman**, Yahoo Labs  
**Tracy Camp**, Colorado School of Mines  
**Corinna Cortes**, Google Inc.  
**Anne Condon**, University British Columbia  
**Mary Czerwinski**, Microsoft Research  
**Susan Davidson**, University of Pennsylvania  
**Mary Fernández**, MentorNet  
**Jeanne Ferrante**, UC San Diego  
**Lance Fortnow**, Georgia Institute of Technology  
**Jean-Luc Gaudiot**, University of California, Irvine  
**Eric Grimson**, Massachusetts Institute of Technology  
**Dan Grossman**, University of Washington  
**Laura Haas**, IBM Research - Almaden  
**Gregory Hager**, Johns Hopkins University  
**Brent Hailpern**, IBM Research - Almaden  
**Susanne Hambrusch**, Purdue University  
**H.V. Jagadish**, University of Michigan  
**Chris Johnson**, University of Utah  
**Henry Kautz**, University of Rochester  
**Margaret Martonosi**, Princeton University  
**Kathryn S. McKinley**, Microsoft Research  
**J Strother Moore**, The University of Texas at Austin  
**Greg Morrisett**, Harvard University  
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**Andrew Sears**, Rochester Institute of Technology  
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## CRA Board Officers

**J Strother Moore**, Chair, The University of Texas at Austin  
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Expanding the Pipeline  
**Patty Lopez**, Intel

# Professional Opportunities

## American Mathematical Society/Mathematical Reviews

Associate Editor

Applications are invited for a full-time position as an Associate Editor of Mathematical Reviews/MathSciNet. An Editor selects articles and books for coverage, classifies these items, assigns items to reviewers, and edits reviews. The successful applicant will have mathematical breadth with an interest in current developments. In particular, theoretical computer science, information science, or related areas of mathematics.

Description/How to apply: <http://www.ams.org/about-us/AssoEditor.pdf>

## The American University of Beirut

Department of Computer Science

Faculty Positions in Computer Science

The Department of Computer Science at the American University of Beirut invites applications for faculty positions in computer science to begin September 1, 2015. Strong candidates from all areas of computer science are encouraged to apply and will be considered. Areas of particular interest include: 1-High Performance Computing and/or Cloud Computing; 2-Digital Imaging and Video Processing; 3-Natural Language Processing (NLP) with expertise in machine learning and/or data mining; 4-Big Data Analytics. Candidates must have a PhD in computer science or a closely related field by the time of appointment. Positions are normally at the assistant professor level for four years, but appointments at higher ranks will also be considered.

Review of applications will begin on December 1, 2014 and will continue until the positions are filled. For more information please visit <http://www.aub.edu.lb/fas/pages/academic-employment.aspx>

The American University of Beirut is an Equal Opportunity Employer.

<http://cra.org/resources/crn-online/>



## 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 Systems (Job #10935)** – Areas of interest include: high performance and trusted systems for management, analytics, mining or visualization of massive data sets.
- **Software Engineering (Job #10941)** – Areas of interest include: software development for complex software systems and emerging computing and information technologies.
- **Autonomous, Intelligent and Robotic Systems (Job #10934)** – Areas of interest include: bio-inspired design, manufacturing and control of multi-agent systems, modular and self-reconfigurable robots, brain-machine interfaces for multi-agent systems and human-robot interaction.

Appointments will be made at the rank commensurate with experience and accomplishments starting August 2015. 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, adoption of innovative educational practices 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 15, 2014**; if not filled, reviews will occur the 1st and 15th of every month thereafter until the search is closed.

**Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. See ASU's full non-discrimination statement (ACD 401) at <https://www.asu.edu/aad/manuals/acd/acd401.html> and the Title IX statement at <https://www.asu.edu/titleIX/>.**

# Professional Opportunities

## Boston University

*Department of Computer Science  
Assistant Professorships (Tenure Track)*

Applications are invited for two tenure-track assistant professorships beginning July 2015. Qualifications required of all applicants include a Ph.D. in Computer Science or related discipline, a strong research record, and a commitment to teaching at the undergraduate and graduate levels. All research areas of Computer Science will be considered. Particular attention will be given to candidates pursuing research in computer systems, data-centric computing, interactive computing, and algorithms.

The Department consists of 20 faculty members, and offers programs leading to B.A., M.S., and Ph.D. degrees. The Department has research strengths in data mining, databases, image and video computing, networking, operating systems, programming languages and formal methods, real-time systems, security and cryptography, and theory of computation and algorithms. In addition, members of the Department have close collaborative relationships with faculty in mathematics and statistics, computer engineering, and biology, among others. Additional information on the Department is available at <http://www.bu.edu/cs>.

Qualified applicants should apply at: <https://academicjobsonline.org/ajo/jobs/4436>

Review of applications with reference letters will begin December 15, 2014.

We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law. We are a VEVRAA Federal Contractor.

## Bowling Green State University

*One Tenure-Track Positions in  
Computer Science*

We are seeking applicants for a tenure-track position at the assistant professor level to teach a variety of courses at the undergraduate and graduate levels and be productive in scholarly research and sponsored projects. Preferred area of specialization is cyber security, including but not limited to: information assurance, software security, mobile security, data privacy, cyber-physical systems security, and computer forensics. Applicants must hold a Ph.D. in CS (or closely related field) or complete it by August 2015, and be committed to excellence in teaching, scholarly research, and external funding.

BGSU offers a small town atmosphere with easy access to Columbus, Detroit, and Ann Arbor. BGSU is an AA/EOE 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 11, 2015 to [cssearch2015@cs.bgsu.edu](mailto:cssearch2015@cs.bgsu.edu). We will contact your references. We will select a small number of finalists to come to campus for an interview. An official transcript of the terminal degree and a background check are also required for employment.

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

## California Institute of Technology

*Computing and Mathematical Sciences  
Tenure-Track Faculty Position*

The Computing and Mathematical Sciences (CMS) Department at Caltech invites applications for a tenure-track

faculty position. Our department is a unique environment where innovative, interdisciplinary, and foundational research is conducted in a collegial atmosphere. We are looking for candidates who have demonstrated exceptional promise through novel research with strong potential connections to natural, information, and engineering sciences. Research areas of particular interest include applied mathematics, computational science, as well as computing. A commitment to high-quality teaching and mentoring is expected.

The initial appointment at the assistant-professor level is for four years and is contingent upon the completion of a Ph.D. degree in Applied Mathematics, Computer Science, or related field. Exceptionally well-qualified applicants may also be considered at the full professor level.

To ensure the fullest consideration, applicants are encouraged to have all their application materials on file by December 28, 2014. For a list of documents required and full instructions on how to apply on-line, please visit <http://www.cms.caltech.edu/search>. Questions about the application process may be directed to: [search@cms.caltech.edu](mailto:search@cms.caltech.edu).

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

## California State University, Sacramento

*Department of Computer Science  
Two Tenure-Track Assistant  
Professor Positions*

To begin with the Fall 2015 semester. One position is in Database Systems, and the other in Systems Software. Ph.D. in Computer Science, Computer Engineering, or closely related field required by the time of appointment.

# Professional Opportunities

For detailed position information, including application procedure, please see <http://www.csus.edu/about/employment/>. Screening will begin January 15, 2015, and continue until positions are filled.

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

## Carleton College

*Department of Computer Science  
Tenure-Track Position in Computer Science*

Carleton College invites applications for a tenure-track position in computer science, in any area of specialization, to begin September 1, 2015. More details on this position can be found at: <https://jobs.carleton.edu/postings/2061>

Carleton is a highly selective liberal arts college with outstanding, enthusiastic students. We seek an equally enthusiastic computer scientist committed to excellence in teaching, curriculum design, ongoing research, and undergraduate research advising. We are particularly interested in candidates committed to teaching a diverse student body.

To apply, please visit [jobs.carleton.edu](http://jobs.carleton.edu) and complete the online application, including a cover letter, CV, brief statements describing teaching philosophy and research agenda, a graduate transcript, and contact information for writers of three letters of reference (at least one of which should address your teaching). Applications completed by December 15, 2014, including reference letters, will receive full consideration.

Carleton College is an affirmative action/equal opportunity employer. We are committed to developing our faculty to better reflect the diversity of our student body and American society. Women and members of minority groups are strongly encouraged to apply.

## Carnegie Mellon University

*Computer Science Department  
Teaching Track Position*

Applications are invited for a teaching-track position in Computer Science, beginning Fall 2015. 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. Preference will be given to candidates with a strong systems background.

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 December 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

*Faculty Position*

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 problems. The School is organized into seven departments/institutes: 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.

As a result of our highly interdisciplinary research and education culture, the School often seeks faculty candidates with unique research backgrounds from across the academic spectrum.

Please refer to <https://webapps.cs.cmu.edu/FacultyApplication/SCS/Welcome> for a detailed list of our current interests and for application guidelines. We will begin accepting applications on November 1, 2014. To receive full consideration, please submit all materials before January 5, 2015. Please send email to [faculty-search@cs.cmu.edu](mailto:faculty-search@cs.cmu.edu) with any questions.

Carnegie Mellon considers applicants for employment without regard to, and does not discriminate on the basis of, gender, race,

# Professional Opportunities

protected veteran status, disability, or any other legally protected status.

## Clarkson University

### *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 2015.

but we may hire at a more senior level. We are interested in candidates with research expertise in applied systems areas such as operating systems, security, networking, parallel and distributed computing, and database systems, or in computer graphics or visualization.

Responsibilities include teaching undergraduate and graduate level courses, and directing graduate students. Minimum requirements are a Ph.D. in computer science

by the date of appointment, demonstrated excellence in research and teaching, and fluency in English.

Applications including vita and three reference letters should be submitted to <https://clarkson.peopleadmin.com/>. Completed applications will be reviewed starting immediately.

Women and minorities are urged to apply. Clarkson University is an AA/EOE Employer.



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

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

Applications are sought in all areas of computer science, with particular emphasis on, but not limited to, the following areas: 1) Computer Hardware and Software Systems; 2) Machine learning, Algorithms and Optimization; 3) Privacy and Security. For positions in areas (2) and (3) we particularly seek candidates whose research focus intersects with the field of data sciences and who can take full advantage of the Institute for Data Sciences and Engineering at Columbia.

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

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

For additional information and to apply, please see: <http://engineering.columbia.edu/faculty-job-opportunities>. Applications should be submitted electronically and include the following: curriculum-vitae including a publication list, a description of research accomplishments, a statement of research and teaching interests and plans, contact information for three experts who can provide letters of recommendation, and up to three pre/reprints of scholarly work. All applications received by December 15, 2014 will receive full consideration.

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

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

# Professional Opportunities

## Colorado School of Mines

*College of Engineering and Computational Sciences - Department of Electrical Engineering and Computer Science*

*Assistant Professor - Computer Science*

The Electrical Engineering and Computer Science Department (EECS) at Colorado School of Mines (Mines) invites applications for a tenure-track assistant professor position in Computer Science, anticipated to begin in August 2015. Research specializations of interest are privacy/security and large-scale data management. The successful candidate will teach undergraduate and graduate courses as well as develop an externally funded research program that includes graduate students and results in publications in conferences and journals. Mines and professional service is expected.

A Ph.D. in Computer Science, Computer Engineering, Electrical Engineering, Software Engineering, or closely related field. Applicants must demonstrate the potential for excellence in teaching, scholarship and service. Applicants must demonstrate, or show evidence of, excellent written, oral communication and interpersonal skills.

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

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

## Concordia University, Montreal

*Three Positions*

Concordia University's Faculty of Engineering and Computer Science (ENCS) is a fast-growing advanced training and research institution with a tradition of excellence. Our cohort of full-time professors in ENCS has increased from 126 to 176 over the

last decade, and we count 27 research chairs, as we strive to help meet the demands of an increasingly technology-dependent, networked society. We've concurrently enjoyed strong growth among undergraduate and graduate student enrolment thanks to our state-of-the-art laboratories, world class student-centric learning environment, strong partnerships with industry, exceptional faculty members, and commitment to a progressive, socially responsible and ethical education. All engineering programs offered by ENCS are accredited by the **Canadian Engineering Accreditation Board** and the computer science program by the Computer Science Accreditation Council to the maximum duration possible.

Our academic units are:

- Building, Civil and Environmental Engineering
- Computer Science and Software Engineering
- Electrical and Computer Engineering
- Mechanical and Industrial Engineering
- Concordia Institute for Information Systems Engineering
- Centre for Engineering in Society

Find out more about ENCS through our website: [concordia.ca/encs](http://concordia.ca/encs).

Review of applications for this position will begin upon receipt and will continue until the closing date. All qualified candidates are encouraged to apply for these positions; however, Canadians and Permanent Residents will be given priority. Concordia 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 persons, members of sexual minorities, persons with disabilities, and others who may contribute to diversification.

## Canada Research Chair Tier 1 - Cyber Security

We invite applications for a Canada Research Chair Tier 1 position in the area of Cyber Security. Applicants should be internationally recognized as leaders in the field of Cyber Security with excellent track records in leading major research initiatives; attracting strong external funding; supervising graduate students and postdoctoral fellows; and teaching courses at the undergraduate and graduate levels. Moreover, they must propose an original, innovative and research program of the highest quality. Applicants must possess a PhD degree in the area of Electrical and Computer Engineering, or a related discipline. Candidates must possess a strong expertise in one of the following: Information Systems Security, Network Security, Wireless and Mobile Security, Operating Systems Security, Malware Analysis, Application and Software Security, Privacy, and Cyber Forensics. The candidate is expected to attract funding from government agencies (i.e. NSERC, FQRNT) and from industry. Membership or eligibility for membership in a Canadian professional engineering association, preferably in the province of Quebec, is required.

Electronic applications are preferred and should include detailed curriculum vitae, a statement concerning teaching and research interests, and names of at least three referees. Applications should be received at the following address by January 1, 2015.

Dr. Rachida Dssouli, Director  
Concordia Institute for Information  
Systems Engineering  
[director-ciise@encs.concordia.ca](mailto:director-ciise@encs.concordia.ca)  
<http://www.ciise.concordia.ca/>

## Software Engineering

We invite applications for one tenure-track position in Software Engineering. The appointment is intended to be at the rank of Assistant Professor. Exceptional

# Professional Opportunities

candidates at the Associate level may also be considered. We will consider applicants in all research areas of software engineering, but we are particularly interested in candidates who have conducted theoretical or empirical research in requirements, design and implementation of software systems such as computer games, mobile games/apps, cloud gaming and large scale data applications. The CSE department has an active research group in software engineering in addition to highly popular software engineering degrees at both undergraduate and graduate level.

Applicants must have a PhD in computer science, software engineering or computer engineering or a related area and also possess significant research contributions in software engineering. A successful candidate is expected to provide academic leadership, establish a strong externally funded research program, demonstrated abilities to work in collaborative multidisciplinary settings and teach/develop both undergraduate and graduate courses. Strong commitment to the supervision of graduate student research and to excellence in teaching are essential. Relevant industrial experience is an asset. Excellent communication skills are required. Membership or eligibility for membership in a Canadian professional engineering association, preferably in the province of Quebec, is required.

Applications should consist of a detailed curriculum vitae, a statement concerning teaching and research interests, and the names of at least three referees. This appointment is expected to commence in August, 2015. Review of the applications will begin immediately and continue until the position is filled. Only short-listed applicants will be contacted. Electronic applications are preferred and should be sent by no later than January 1, 2015 to:

Dr. Sudhir Mudur, Chair  
Department of Computer Science and  
Software Engineering  
[mudur@cse.concordia.ca](mailto:mudur@cse.concordia.ca)  
<http://www.concordia.ca/encs/computer-science-software-engineering.html>

## Computer Games and Virtual Worlds

We invite applications for a tenure-track strategic hire position in the area of Computer Games and Virtual Worlds for appointment in the Department of Computer Science and Software Engineering (CSE). The CSE department has an active research group in 3D Graphics in addition to a highly popular Computer Games degree option at the undergraduate level. The goal of the strategic hire program is to augment existing research capacity in the department through high profile interdisciplinary research in collaboration with members of Concordia's Technoculture, Art and Games Research Centre (TAG). The successful candidate will receive an attractive research support and teaching package. For additional information about ENCS, CSE and TAG see [www.encs.concordia.ca](http://www.encs.concordia.ca), [www.cse.concordia.ca](http://www.cse.concordia.ca) and [www.tag.hexagram.ca](http://www.tag.hexagram.ca).

Applicants must have a PhD in computer science, software engineering or computer engineering or a related area and also possess research and development expertise in the area of computer games, 3D graphics and virtual worlds. A successful candidate is expected to provide academic leadership, establish a strong externally funded research program, demonstrated abilities to work in collaborative multidisciplinary settings and teach/develop both undergraduate and graduate courses. Strong commitment to the supervision of graduate student research and to excellence in teaching are essential. Relevant industrial experience is an asset. Excellent communication skills are required. Membership or eligibility for membership in a Canadian professional engineering

association, preferably in the province of Quebec, is required.

Applications should consist of a detailed curriculum vitae, a statement concerning teaching and research interests, and the names of at least three referees. This appointment is expected to commence in August 2015. Review of the applications will begin immediately and continue until the position is filled. Only short-listed applicants will be notified. Electronic applications are preferred and should be sent no later than January 1, 2015 to:

Dr. Sudhir Mudur, Chair  
Department of Computer Science and  
Software Engineering  
[mudur@cse.concordia.ca](mailto:mudur@cse.concordia.ca)  
<http://www.concordia.ca/encs/computer-science-software-engineering.html>

## Cornell NYC Tech

### *Multiple Senior Faculty Positions-#4470*

Multiple senior faculty positions in computer science are available at Cornell's new Cornell NYC Tech campus in New York City. Faculty hired in these positions will be in the Department of Computer Science, which will span the Ithaca and New York City campuses, but their teaching and research will be based in New York City. We will consider only candidates at the Associate and Full Professor level, but will consider candidates from all areas of computer science and related fields. Candidates whose work fits into one of the three initial hubs at CornellNYC, Connective Media, Healthier Life, and Built Environment, are particularly encouraged.

Candidates must hold a Ph.D., must have demonstrated an ability to conduct outstanding research, and must also have a strong interest in the technology commercialization and entrepreneurship mission of the campus. In addition, interest in international programs and/or pre-college (K-12) education is advantageous.

# Professional Opportunities

This search may include Cornell faculty positions that are part of the Technion-Cornell Innovation Institute. To ensure full consideration, applications should be received by December 1, 2014, but will be accepted until all positions are filled. Candidates should submit a curriculum vita, brief statements of research and teaching interests on-line at <https://academicjobsonline.org/ajo/jobs/4470>. Inquiries about your application may be directed to [freccruit@cs.cornell.edu](mailto:freccruit@cs.cornell.edu).

Cornell University is an equal opportunity, affirmative action educator and employer; qualified women and minority candidates are particularly encouraged to apply.

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

## Cornell University

### *Multiple Faculty Positions - #4463*

The Department of Computer Science of Cornell University, based in Ithaca, New York, has multiple faculty positions open. Applications are welcome in all areas of computer science and related fields and at all levels, including tenured, tenure-track, and lecturer. Tenured and tenure track faculty must hold the equivalent of a Ph.D. Lecturers must hold the equivalent of a Masters degree, with a Ph.D. preferred. Applicants must have demonstrated an ability to conduct outstanding research. Successful candidates are expected to pursue an active research program, to teach graduate and undergraduate courses, and to supervise graduate students. The department is ranked among the top computer science departments in the country, with 35 tenured and tenure-track faculty members across all areas of computer science.

Cornell University is located in Ithaca, New York, a city of about 30,000 people in the

heart of the Finger Lakes region. Both Cornell and Ithaca offer a wide range of cultural activities, sports, and outdoor activities with the pleasures of both city and country close at hand. Ithaca is Gorges!

To ensure full consideration, applications should be received by December 1, 2014, but will be accepted until all positions are filled. Applicants should submit a curriculum vita and brief statements of research and teaching interests, identify one or two publications to which they have made significant contributions, and arrange to have at least three reference letters submitted at: <https://academicjobsonline.org/ajo/jobs/4463>. Inquiries about your application may be direct to [freccruit@cs.cornell.edu](mailto:freccruit@cs.cornell.edu).

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

## Dartmouth College

### *Assistant Professor of Computer Science*

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

The department is home to 18 tenured and tenure-track faculty members and two

research faculty members. Research areas of the department encompass the areas of security, computational biology, machine learning, robotics, systems, algorithms, theory, digital arts, vision, and graphics.

The Computer Science department is in the School of Arts & Sciences, and it has strong Ph.D. and M.S. programs and outstanding undergraduate majors. The department is affiliated with Dartmouth's M.D.-Ph.D. program and has strong collaborations with Dartmouth's other schools.

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

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

Applicants are invited to submit application materials via Interfolio at [apply.interfolio.com/25574](http://apply.interfolio.com/25574). Upload a CV, research statement, and teaching statement, and request at least four references to upload letters of recommendation, at least one of which should comment on teaching. Email [facsearch15@cs.dartmouth.edu](mailto:facsearch15@cs.dartmouth.edu) with any questions.

Application review will begin November 1, 2014, and continue until the position is filled.

Re recommendations: After you have entered the contact information for your references and sent them reference requests, you may submit your application, even before they

# Professional Opportunities

upload the letters. Once the letters are uploaded, there's an extra step: you must associate the letters with your application for this particular position.

Equal Employment Opportunity Statement

Dartmouth is an equal opportunity/affirmative action employer with a strong commitment to diversity. In that spirit, we are particularly interested in receiving applications from a broad spectrum of people, including women, persons of color,

persons with disabilities, veterans or any other legally protected group.

## Delaware State University

*Department of Computer and Information Sciences*

*Assistant Professor (Tenure-Track)*

College of Mathematics, Natural Sciences and Technology

Apply online at [www.desu.edu](http://www.desu.edu)

Applications will be accepted until the position is filled

As part of a major University initiative to expand research activities, the Computer and Information Sciences Department at Delaware State University (DSU) is accepting applications for a full-time tenure-track position at the Assistant Professor level. We seek an outstanding scientist whose research interests complement and augment existing strengths in the



DREXEL UNIVERSITY  
College of  
**Computing &  
Informatics**

## Drexel University

*College of Computing & Informatics*

*Faculty Positions in Computer Science*

The College of Computing and Informatics at Drexel University invites applications for multiple tenure-track and tenured faculty positions in computer science at all levels. Candidates should have a Ph.D. in Computer Science or related field at the time of appointment and a record of high-quality scholarly activities. Applicants for senior hires are expected to have demonstrated exceptional leadership in large-scale, multidisciplinary research programs. The College of Computing and Informatics is home to vibrant research activities in computer science including artificial intelligence, vision and graphics, programming languages, high-performance computing, human computer interaction, privacy and security, algorithms and theory, computer science education, software engineering, distributed systems, databases and data mining, and computer algebra. Applications in all areas will be considered. Successful applicants will be expected to teach at the undergraduate and graduate levels, establish strong sponsored research programs, advise undergraduate and graduate students, and be involved in service to the college, the university, as well as the global academic community.

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 in the country, 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.

Evaluation of applications will begin as early as January 1, 2015, and will continue on a rolling basis until appropriate candidates are identified. Successful applicants must demonstrate potential for research and teaching excellence in the environment of a major research university. To be considered, apply at [www.drexeljobs.com/applicants/Central?quickFind=79139](http://www.drexeljobs.com/applicants/Central?quickFind=79139) or search for Requisition #6406. 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 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.

# Professional Opportunities

Department and across the University, and who is committed to quality teaching.

The applicant must have a Ph.D. in computer science or a closely related field, experience in cybersecurity research, and appropriate experience in, or proven potential for, teaching. The successful candidate will be expected to develop an externally-funded research program, engage in a State of Delaware initiative to train students in Cybersecurity, and to teach graduate and undergraduate courses in cybersecurity, operating systems and networking, as well as CS/IT introductory courses. A long-term commitment to the development of a research program, including research training, is expected of the successful candidate.

Interested candidates should submit, preferably via email, (1) cover letter outlining academic qualifications and experience for this position, (2) curriculum vitae, (3) a summary of research plans, (4) a list of publications, (5) a statement of teaching interests/philosophy, including student training in Cybersecurity, and (6) at least three letters of recommendation.

Please send applications to:  
Ms. Sherron Stevens  
Department of Computer and Information Sciences  
Delaware State University  
1200 North DuPont Hwy  
Dover, DE 19901  
[sstevens@desu.edu](mailto:sstevens@desu.edu)

Review of applications will begin on September 30, 2014.

DSU is an equal opportunity, affirmative action employer. Applications from Minorities and Women are encouraged.

## Duke University

*Department of Computer Science  
Tenure-Track Faculty Positions*

The Department of Computer Science at Duke University in Durham, North Carolina, invites applications and nominations for tenure-track faculty positions at the assistant professor level, to begin August 2015. We are interested in strong candidates in all active research areas of computer science, as well as interdisciplinary areas.

The department is committed to increasing the diversity of its faculty, and we strongly encourage applications from women and minority candidates.

A successful candidate must have a solid disciplinary foundation and demonstrate promise of outstanding scholarship in every respect, including research and teaching. Please refer to [www.cs.duke.edu](http://www.cs.duke.edu) for information about the department and to [www.provost.duke.edu/faculty/](http://www.provost.duke.edu/faculty/) for information about the advantages that Duke offers to faculty.

Applications should be submitted online through the link provided at [www.cs.duke.edu/facsearch](http://www.cs.duke.edu/facsearch). A Ph.D. in computer science or related area is required. To guarantee full consideration, applications and letters of reference should be received by December 1, 2014.

Durham, Chapel Hill, and the Research Triangle of North Carolina are vibrant, diverse and thriving communities, frequently ranked among the best places in the country to live and work. Duke and the many other universities in the area offer a wealth of education and employment opportunities for spouses and families.

Duke University is an Affirmative Action/ Equal Opportunity Employer committed to providing employment opportunity without regard to an individual's age, color, disability, genetic information, gender, gender identity,

national origin, race, religion, sexual orientation or veteran status.

## Elon University

*Computing Sciences: Assistant Professor*

Elon University invites applications for a tenure-track Assistant Professor position in the Department of Computing Sciences to start August 2015.

Full details about the position and application process are available by visiting [http://www.elon.edu/e-web/academics/elon\\_college/computing\\_sciences/cssearch2014.xhtml](http://www.elon.edu/e-web/academics/elon_college/computing_sciences/cssearch2014.xhtml)

Elon University is an equal opportunity employer committed to a diverse faculty, staff, and student body and welcomes all applicants.

## Florida Institute of Technology

*Department of Computer Sciences & Cybersecurity*

*Open Faculty Position*

The Department of Computer Sciences & Cybersecurity at the Florida Institute of Technology invites applications for an open faculty position in Software Engineering, beginning in Fall 2015. The department is ABET accredited in both Computer Science and Software Engineering.

Required qualifications for the position include an earned Ph.D. with a specialization in software engineering, evidence of the ability to develop and sustain an active research program and a sincere interest in quality teaching, at both the undergraduate and graduate levels.

Our current software engineering strengths are in testing, cybersecurity, maintenance and evolution, but we welcome applicants from all areas. Our preference is for faculty members who conduct research that is both pragmatic and academically rigorous.

# Professional Opportunities

The Department has significant active research funding from multiple government agencies and commercial companies.

New faculty will have the opportunity to work with the Harris Institute for Assured Information. Florida Tech is a NSA/DHS designated Center for Academic Excellence in Information Assurance Research.

Florida Tech is located in Melbourne on Florida's Space Coast, one of the nation's fastest-growing high-tech areas. The campus is 5 minutes from the Indian River estuary, 10 minutes from the Atlantic Ocean and 50 minutes from Kennedy Space Center and Orlando. For more information on the Department of Computer Sciences please visit our website (<http://cs.fit.edu>). Information on the Harris Institute is also available online (<http://harris-institute.fit.edu/>).

Applicants should send letters of intent, curriculum vitae, research and teaching summaries and full contact information for at least three references, via email ([swe-faculty-search@fit.edu](mailto:swe-faculty-search@fit.edu)).

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

Official transcripts of all collegiate work must be sent directly from the attended institution to the Human Resources Office prior to the first day of employment. All international degrees must have a course-by-course official evaluation and translation sent to the Human Resources Office directly from an evaluation company affiliated with the National Association of Credential Evaluation Services, Inc. (NACES).

Equal Opportunity Employer Minorities/  
Women/Veterans/Disabled

We are an E-verify employer [EEO is the Law](http://www.fit.edu/hr/documents/eeoc_law.pdf)  
[http://www.fit.edu/hr/documents/eeoc\\_law.pdf](http://www.fit.edu/hr/documents/eeoc_law.pdf)

## Fordham University

*Department of Computer and  
Information Science*

*Department Chair*

Fordham University invites applications for the position of Department Chair, at the rank of full professor, in the Department of Computer and Information Science. The department is currently in a process of growth with administrative support for curricular revision and expansion of undergraduate and graduate programs, including new tenure track faculty lines. We are seeking a dynamic and innovative leader who will guide the department to greater prominence within the University and nationally. Candidates must have a Ph.D. in computer science, information science, or a related area. The chair position requires distinguished ongoing research, significant administrative experience, and strengths in program development, collaborative academic leadership, and teaching. Outstanding candidates in all areas of computer and information science are strongly encouraged to apply. The department is situated on Fordham's campuses in the center of Manhattan, the Bronx, and Westchester County where faculty and students take advantage of New York City's vast resources for research, education, and service. For complete position descriptions, see <http://www.cis.fordham.edu/openings.html>.

Applications can be submitted electronically to Interfolio Scholar Services: [apply.interfolio.com/25960](http://apply.interfolio.com/25960). Include a cover letter; brief statements of administrative philosophy, teaching pedagogy, and research agenda; c.v.; samples of scholarship; and names with contact information of three references who may be contacted for letters of recommendation. Application review begins on November 15 and will continue until the position is filled. For information, contact Dr. David Wei ([dsl.wei01@gmail.com](mailto:dsl.wei01@gmail.com); [wei@cis.fordham.edu](mailto:wei@cis.fordham.edu)).

Fordham, an independent, Catholic University in the Jesuit tradition, is committed to excellence through diversity and welcomes candidates of all backgrounds. Fordham is an Equal Opportunity Employer.

## Georgia Institute of Technology

*School of Computational Science  
and Engineering*

*Tenure-Track Faculty*

Computational Science and Engineering solves real-world problems in science, engineering, health, and social domains, by using high-performance computing, big data, and large-scale analytics. The School of Computational Science and Engineering of the College of Computing at the Georgia Institute of Technology seeks tenure-track faculty at all levels. This year, our focus application areas include urban systems, biomedical and health, materials and manufacturing, and national security. 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.

Georgia Tech is located in the heart of metro Atlanta, a home to more than 5.3 million people and nearly 150,000 businesses, a world-class airport, lush parks and green spaces, competitive schools and numerous amenities for entertainment, sports and restaurants that all offer a top-tier quality of life. From its diverse economy, global access, abundant talent and low costs of business and lifestyle, metro Atlanta is a great place to call "home." Residents have easy access to arts, culture, sports and nightlife, and can experience all four seasons, with mild winters that rarely require a snow shovel.

For best consideration, applications are due by December 16, 2014, submitted online through <https://academicjobsonline.org/ajo/jobs/4818>. The application material should include a full academic CV, teaching and

# Professional Opportunities

research statements, a list of at least three references and up to three publications. Georgia Tech is an Affirmative Action/Equal Opportunity Employer. Applications from women and under-represented minorities are strongly encouraged.

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

## Georgia Institute of Technology

*School of Computer Science*

*Faculty Positions*

Applications will be considered until open positions are filled. However, to receive full consideration, applications should be submitted by December 8, 2014. 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://www.scs.gatech.edu/about/facultypositions>.

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 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 cognitive systems, computer science education and learning at scale, computer games, robotics, and machine learning.

The School of IC includes 35 faculty members and 120 graduate students working in a wide range of research areas relating to the interface of computing to the world. The School is affiliated with the GVU Center and the Institute for Robotics and Intelligent Machines (IRIM@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/4806>. 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, 2014 and full consideration will be given to those who apply by December 31, 2014. We expect most hiring decisions will be made by May 1, 2015.

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

## Georgia State University

*Department of Computer Science*

*Lecturer Position*

The Department of Computer Science of Georgia State University invites applications for a lecturer position. Position will begin in January 2015 and an earned Ph.D. in Computer Science is required (candidates who are expected to receive their Ph.D. by Summer of 2015 will be considered). Preference will be given to candidates with prior experience in teaching undergraduate computer science courses.

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

Georgia State University (GSU) is an urban public research university serving 32,000 students and is centered in the historic financial hub of downtown Atlanta. The Computer Science Department offers programs leading to the B.S., M.S., and Ph.D. degrees in computer science.

Women and minorities are especially encouraged to apply. The application should consist of a cover letter, CV, a brief statement describing your teaching interests and philosophy, 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 and should be sent to [search@cs.gsu.edu](mailto:search@cs.gsu.edu).

Georgia State University, a Research University of the University System of Georgia, is an AA/EEO employer.

# Professional Opportunities

## Hendrix College

*Department of Mathematics and Computer Science*

*Assistant Professor of Computer Science*

Hendrix College invites applications for a tenure track position as Assistant Professor of Computer Science to begin in August 2015. The College seeks to extend its tradition of excellence in teaching and scholarship by attracting faculty who combine mastery of their disciplines with broad intellectual interests and commitment to the aims of a

liberal arts college. The Computer Science curriculum emphasizes open-ended projects starting in the first semester, pervasive use of hardware such as smartphones and robots, and interdisciplinary applications of computing. The successful candidate will teach six courses annually and will sustain a research program involving undergraduate students; any research specialty complementary to those of current faculty will be welcome. Doctorate is preferred; ABD will be considered.

Submission details are available at <https://www.hendrix.edu/jobs/>. Review of materials will begin November 15 and will continue until the position is filled.

## The Hong Kong University of Science and Technology

*Department of Computer Science and Engineering*

*Faculty Positions*

The Department of Computer Science and Engineering, HKUST ([www.cse.ust.hk](http://www.cse.ust.hk))



## Harvard University, School of Engineering and Applied Sciences

*Institute for Applied Computational Science*

*Institute for Applied Computational Science (IACS) Post Doctoral Researcher*

The Harvard School of Engineering and Applied Sciences (SEAS) is seeking a postdoctoral researcher in Computational Science in the Institute for Applied Computational Science (IACS) (<http://iacs.seas.harvard.edu>), with an expected start date of January 5, 2015. The position is an annual (twelve-month) academic appointment renewable for up to three years, depending on continuing curricular need and performance.

IACS was established in September 2010 with the mission of developing an interdisciplinary education and research program in computational science by infusing the curriculum with new courses and student research opportunities that focus on the use of computation to power discovery and innovation. IACS welcomed its first cohort of master's students in Computational Science and Engineering in the fall of 2013.

The successful candidate is expected to carry out original research in computational science, supervise student projects, and contribute to the educational activities of the institute, such as curriculum development and participation on student thesis evaluation committees.

Candidates are required to have a doctoral degree in Computer Science, Computational Science, or a related field by the expected start date.

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 with prior teaching experience should submit copies of teaching evaluations as part of their application. Applicants should email all materials to [iacs-postdoc@seas.harvard.edu](mailto:iacs-postdoc@seas.harvard.edu). We encourage candidates to apply by October 30, 2014, but we will continue to review applications until the position is filled.

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

# Professional Opportunities

will have two substantiation-track faculty openings at Assistant Professor level for the 2015-2016 academic year. We are looking for candidates with system research expertise and experience in one or more of the following three areas:

- cyber-security, system security and data privacy
- data analytics
- new system architecture (e.g. multicore, cloud computing)

Strong candidates in core computer science and engineering research areas will also be considered. Applicants should have an earned PhD degree and demonstrated potential in teaching and research.

The department has 40 faculty members, recruited from major universities and research institutions around the world, and about 800 students (including about 200 postgraduate students). The medium of instruction is English. We were ranked 11th among all computer science and engineering departments worldwide according to QS World University Ranking in 2014, and 24th according to Academic Ranking of World Universities in 2013.

The University is committed to increasing the diversity of its faculty, and has a range of family-friendly policies in place.

Salary is highly competitive and will be commensurate with qualifications and experience. Fringe benefits include medical/dental benefits and annual leave. Housing will also be provided where applicable. For appointment at Assistant Professor level, initial appointment will normally be on a three-year contract. A gratuity will be payable upon completion of contract.

## Application Procedure

Applications including a cover letter, curriculum vitae (including the names and contact information of at least three referees), a research statement and a teaching statement (all in PDF format) should be sent through e-mail to [csrecruit@cse.ust.hk](mailto:csrecruit@cse.ust.hk). Priority will be given to applications received by 15 December 2014. Applicants will be promptly acknowledged through e-mail upon receiving the electronic application material.

(Information provided by applicants will be used for recruitment and other employment-related purposes.)

## Indiana University, Bloomington

*Department of Statistics  
Faculty Positions: Assistant/Tenured Full*

The Department of Statistics in the College of Arts and Sciences at Indiana University invites applications for faculty positions in the area of data science. One position is at the rank of tenured full professor; a



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

The School of Informatics and Computing (SoIC) at Indiana University Bloomington invites applications for **chair of computer science**, a full professor with a 3-year initial term as chair, and for two asst/assoc/full professors, in **complex networks and systems (CX)** and in **interactive and intelligent systems (IIS)**.

Chair applicants should have a world-class research record, a strategic vision for excellence in Computer Science research and education, and the academic and research leadership skills to advance that vision. IU Computer Science is strong and rapidly growing with 39 tenure-line faculty, many hired in the last 5 years.

CX applications are especially encouraged from established leaders, who will have opportunities for leadership roles in the Center for Complex Networks and Systems and in a new and ambitious university-wide network science initiative to be announced.

IIS applications are welcome from a range of related areas such as computer vision, smart imaging, pervasive computing, social robotics, and internet of things.

Applicants should have an established record (senior level) or demonstrable potential for excellence (junior) in research and teaching, and a Ph.D. in a relevant area, or (junior) expected by 8/15.

The SoIC is the first of its kind and among the largest in the country, with unsurpassed breadth. Its mission is to excel and lead in education, research, and outreach spanning and integrating the full breadth of computing and information technology. It includes Computer Science, Informatics, and Library and Information Science, with over 85 tenure-line faculty, 900 graduate students, and 1100 undergraduate majors. It offers Ph.D.s in Computer Science, Informatics, and Information Science.

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

Applicants should submit a CV, a statement of research and teaching, and names of 6 references (3 for junior level) using links below (preferred) or to Faculty Search, SoIC, 919 E 10<sup>th</sup> St, Bloomington, IN 47408. Chair candidates should also submit a statement of leadership philosophy and vision for IU CS. Questions may be sent to [hiring@soic.indiana.edu](mailto:hiring@soic.indiana.edu). For full consideration applications are due by 12/1/14.

<http://indiana.peopleadmin.com/postings/968> (Chair, CS)

<http://indiana.peopleadmin.com/postings/969> (CX)

<http://indiana.peopleadmin.com/postings/970> (IIS)

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

# Professional Opportunities

second position is at the rank of tenure-track assistant professor.

Applicants should have an active research program that complements the department's existing strengths in machine learning, spatial statistics, and Bayesian inference, as well as a commitment to teaching excellence. Applicants for appointment as a full professor should be renowned scholars with a demonstrated commitment to department service.

A Ph.D. in statistics, computer science, or a related field is required.

Created in 2006, IU's Department of Statistics currently offers both graduate and undergraduate degree programs and maintains the Indiana Statistical Consulting Center. The usual teaching load for core faculty members is 3 courses per year. More information about the department can be found at its website: <http://www.stat.indiana.edu>.

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

The search will continue until the positions are filled. Receipt of application by November 14, 2014, will ensure consideration for the 2015-2016 academic year.

Please apply electronically at PeopleAdmin: <http://indiana.peopleadmin.com/postings/990> (Assistant Professor Position) or <http://indiana.peopleadmin.com/postings/990> (Full Professor position).

Please address postal correspondence or questions to: Kelly Hanna, Department of Statistics, Indiana University, Statistics House, 309 North Park Avenue, Bloomington, IN 47408, USA; 812-855-7828, [khanna@indiana.edu](mailto:khanna@indiana.edu).

## Iowa State University of Science and Technology

*Postdoctoral Research Associate For Interdisciplinary Project in Particle Astrophysics, Very High Energy Gamma-Ray Astronomy, Computational Self-Assembly*

The Particle Astrophysics group at Iowa State University (ISU) (<http://www.physastro.iastate.edu/research/particle-astrophysics>) has an opening for a post-doctoral researcher on an unusual cross-disciplinary project incorporating elements of computer science (specifically computational self-assembly), very high energy gamma-ray astronomy and particle astrophysics. This two year proof-of-principle project will study a revolutionary "fluid database" paradigm. In this paradigm the computational self-assembly methods usually used to model nanoscale self-assembly processes in the laboratory are applied to fault-tolerant association of scientific data from multiple distributed sensors. Use cases will be drawn from the VERITAS experiment (<http://veritas.sao.arizona.edu>), a highly sensitive gamma-ray observatory in the northern hemisphere for photons between 80 GeV and 50 TeV, and from the planned Cherenkov Telescope Array (<https://portal.cta-observatory.org/Pages/Home.aspx>), which offers an order of magnitude increase in sensitivity over existing gamma-ray observatories at those same energies.

Both VERITAS and CTA address a broad range of scientific topics. The ISU group studies both galactic and extragalactic astrophysical objects, with an emphasis on using them as probes to study topics such as the origin of cosmic rays, the nature of dark matter, searches for axion-like particles, and constraints on the extragalactic background light.

Applicants with a recent PhD in any of the following fields--Astrophysics, Experimental High Energy Physics, Nuclear Physics, or Computer Science--will all be considered. Physicists with a B.S. or

higher in Computer Science (or equivalent experience) or Computer Scientists with a B.S. in Physics will be preferred. A successful candidate should have some experience with distributed computing, developing data analysis systems that interface with external databases, and designing, developing, and maintaining scalable scientific software systems.

Applicants should submit a curriculum vitae and statement of research interests and arrange for three letters of recommendation to be sent to Prof. Amanda Weinstein ([amandajw@iastate.edu](mailto:amandajw@iastate.edu)). Applications will be accepted until the position is filled. However, preferred consideration will be given to applications completed by October 15, 2014.

ISU is an EO/AA employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, or protected Vet status.

ISU is an AAU-member comprehensive, land grant, Carnegie Doctoral/Research Extensive University with an enrollment of over 33,000 students. The university is located in Ames, IA, one of the nation's most highly rated metropolitan areas of its size. ISU is committed to achieving inclusive excellence through a diverse workforce and is dedicated to supporting work-life balance through an array of flexible policies.

## The Henry M. Jackson Foundation

*Junior and Senior Scientists*

The Henry M. Jackson Foundation (HJF) is looking for junior and senior scientists to join the U.S. Army Medical Research and Materiel Command's Biotechnology High Performance Computing Software Applications Institute (BHSAI) (<http://bhsai.org>). HJF provides scientific, technical, and programmatic support services to the BHSAI.

# Professional Opportunities

This opening is for dynamic scientists interested in working in an interdisciplinary environment focused on the development and the application of computational solutions to biomedical problems, involving signal processing of time series physiological data, data mining, data-driven and physiological-based models, and artificial

intelligence. The candidate should have a Ph.D. in a related discipline, extensive computational experience, and a strong publication record. The candidate is expected to simultaneously work on multiple projects, involving a diverse and interdisciplinary team of scientists across multiple laboratories.

Foreign nationals are welcome to apply. U.S. citizenship or permanent resident status is not required. This position is located in Frederick, Maryland.

Please apply on-line at [careers.hjf.org](http://careers.hjf.org) click "Advanced Search" and enter job number 20839 in the Job Opening ID box.

HJF is an equal opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, protected veteran status or other status protected by law.

## IOWA STATE UNIVERSITY

### Faculty Positions in Big Data Translational Health, Emerging Areas in Engineering and Battelle Chairs

Iowa State University has launched the Presidential High Impact Hires Initiative to recruit 29 high-impact targeted faculty in areas of strategic importance.

As part of the initiative, the College of Engineering at Iowa State University ([www.engineering.iastate.edu](http://www.engineering.iastate.edu)) invites applications for several faculty tenure-track or tenured faculty positions at the Assistant, Associate, or Full Professor ranks to begin in Fall 2015. Academic homes will be in the engineering college. Specifically we are seeking applications for:

1. Two faculty positions in experimental and/or computational aspects of Big Data in all engineering disciplines such as data mining; information management; data fusion; data visualization; bio- and materials-informatics; algorithms and analysis, simulation, and design of large-scale complex engineered systems; sensor technologies; agricultural and environmental systems; multi-scale modeling; etc.).
2. One faculty position in all areas of Translational Health related to engineering, including biomaterials and biomechanics; diagnostic, therapeutic and medical devices/systems; synthetic biology; and biophotonics and bioimaging.
3. Multiple faculty positions in emerging engineering areas including sustainable and critical infrastructures, information security, precision agriculture, risk and reliability, energy sciences, and digital manufacturing.
4. Charles Schafer (Battelle) Chair in Engineering in the area of Biorenewables energy science and technologies. Academic home can be any engineering department.
5. Kirby Gray (Battelle) Chair in Engineering in the area of biosciences, advanced manufacturing or information technology. Academic home will be in either Electrical and Computer Engineering or Industrial and Manufacturing Systems Engineering.

Applicants for the two chaired positions must have a proven track record of bringing their ideas to commercialization, with patents and potential patent disclosures, and shall bring a business or near-term commercialization activity with them to the university.

The application process requires a cover letter including teaching and research statements, a resume or curriculum vitae, and names of three references. For any questions, please contact Associate Dean for Research Arun Somani [[arun@iastate.edu](mailto:arun@iastate.edu)]. For more details and to apply for a position please visit the appropriate website.

**For Big Data positions:**  
<http://www.iastatejobs.com/postings/7803>.

**For Translation Health position:**  
<http://www.iastatejobs.com/postings/7807>.

**For Emerging Areas in Engineering positions:**  
<http://www.iastatejobs.com/postings/7809>.

**For Battelle Chair positions:**  
<http://www.iastatejobs.com/postings/7810>.

*Iowa State University is an Equal Opportunity/Affirmative Action Employer.*

### Jacksonville University, Jacksonville FL

*Assistant Professor of Computing Science  
(tenure track)*

Jacksonville University invites applications for a tenure track Assistant Professor position in computing science. Applicants must hold, or be close to completing, a Ph.D. in computer science or closely related area. Specialization is open, with preference given to candidates with expertise and/or teaching experience in one or more of the following areas: mobile computing; web design and development; security; applied software engineering in a project environment; database design and development; artificial intelligence. The ability to teach a broad range of lower-level and upper-level courses is desired as well as excellent verbal and written communication skills.

Experience directing students in undergraduate research and development of software applications as a capstone course would be beneficial. The normal teaching load is twelve hours per semester. Teaching responsibilities may include a university core requirement, introduction to technology course.

This is not an exhaustive list of all responsibilities, duties and/or skills required for this position. The University reserves the

# Professional Opportunities

right to amend and change responsibilities to meet organizational needs.

Jacksonville University (JU) is a small private liberal arts college with an enrollment of approximately 3,000 students. JU is located in a beautiful riverfront setting in suburban Jacksonville, across the St. Johns River from downtown, and just minutes from the Atlantic Ocean. The 198-acre campus includes a half-mile of riverfront, oak-lined paths, and a mix of historic and new campus buildings. The average temperature in Jacksonville is 71 degrees, with an average of 266 sunny days per year. The ratio of students to faculty at the university is 14:1; average class size of 16.

To ensure full considerations, candidates are encouraged to apply before January 1, 2015. Interested candidates should have three references submitted electronically from their referees to [cssearch@ju.edu](mailto:cssearch@ju.edu) and provide the following materials as PDFs: a cover letter highlighting their qualifications for the position, a CV, a teaching statement, a research statement, transcripts from all higher education institutions attended, and a completed Jacksonville University Faculty Application (<http://www.ju.edu/humanresources/Pages/Employment-Opportunities.aspx>). All materials must be submitted electronically to [cssearch@ju.edu](mailto:cssearch@ju.edu).

Application screening will begin immediately and continue until the position is filled.

Jacksonville University supports the principle of diversity and encourages applications from individuals with diverse backgrounds and experiences. It is Jacksonville University's practice to provide equal employment opportunities for all.

## The Johns Hopkins University

### *Tenure Track and Teaching Track Positions*

With the opening of our new building, **Malone Hall**, the Department of Computer Science at The Johns Hopkins University is planning to continue a substantial multi-

year growth that has already added 11 new faculty members to the department since 2010. Our faculty search this year is open to both tenure track and teaching track positions at all levels and from all areas of Computer Science. For tenure track positions, applicants in systems, networking, and related areas are strongly desired. We also encourage applicants with an interest in systems and network security, cloud and mobile security, and health-related applications security to apply. For teaching track positions, applicants with the ability to teach courses related to software engineering at both undergraduate and graduate levels are particularly encouraged.

All applicants must have a Ph.D. in Computer Science or a related field. Tenure track faculty 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/Search2015>. More information on the department is available at <http://www.cs.jhu.edu>.

Applicants should apply using the online applications which can be accessed from <http://www.cs.jhu.edu/apply>. Applications should be received by December 15, 2014 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  
Malone Hall Room 160  
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>

## Kansas State University

### *Department of Computing and Information Sciences*

#### *Faculty Position*

The department of Computing and Information Sciences (CIS) at Kansas State University invites applications for multiple tenure-track positions beginning in Fall 2015 at all levels (Assistant, Associate, or Full Professor). Applicants should have a background in cybersecurity or high-assurance software. In addition, applicants whose research interfaces with one or more of the following areas are highly encouraged to apply: bio-security, cyber-physical systems, mobile computing, cloud-based systems, big data, or human-computer interfaces. Successful applicants will demonstrate commitment to both teaching and research. A doctorate degree in computer science or related disciplines is required; salary will be commensurate with qualifications.

Kansas State University is committed to the growth and excellence of the department of Computing and Information Sciences. CIS department offers a stimulating environment for research and teaching, and has several ongoing collaborative projects involving researchers in different areas of computer science as well as physics, psychology, anthropology, and other engineering and science departments. The department offers BS, MS, and Ph.D. degrees, has a faculty of 19, and over 100 graduate and 400 undergraduate students. The department offers modern research and teaching facilities, including Beocat, a Beowulf cluster with over 2500 cores. The department has modern media-enabled classrooms and several laboratories for cybersecurity, high-assurance systems, software analysis,

# Professional Opportunities

embedded systems, adaptive systems, computational engineering and science, and data-mining. In Fall 2015, CIS will move to a new state-of-the-art facility in the College of Engineering complex (<http://www.engg.ksu.edu/phaseiv/>). Kansas State is also home to the Biosecurity Research Institute and is the site of the new National Bio and Agro-Defense Facility. Details of the CIS Department can be found at the URL <http://www.cis.ksu.edu/>.

Please send applications to Scott DeLoach, Recruitment Chair, Department of Computing and Information Sciences, 234 Nichols Hall, Kansas State University, Manhattan, KS 66506 (email: [recruiting@cis.ksu.edu](mailto:recruiting@cis.ksu.edu)). Applicants should submit a letter of interest, curriculum vitae, research and teaching statements, copies of representative publications and contact information of at least three references. Review of applications will commence December 01, 2014 and continue until the positions are filled.

Kansas State University actively seeks diversity among its employees. Kansas State University is an EOE of individuals with disabilities and protected veterans. Background check required.

## Lawrence Berkeley National Laboratory

*The Luis W. Alvarez Fellowship in Computing Sciences - 80004*

Apply now for the Luis W. Alvarez Postdoctoral Fellowship in Computing Sciences, sponsored by Lawrence Berkeley National Laboratory's Computing Sciences Directorate. Researchers in computer science, applied mathematics or any computational science discipline who have received their Ph.D. within the last three years are encouraged to apply. The successful applicant will receive a competitive salary and excellent benefits.

**Applications are due Wednesday, November 26, 2014 for Fall 2015.**

### About Computing Sciences at Berkeley Lab

Whether running simulations requiring terabytes of memory on a supercomputer or moving, visualizing, and analyzing massive datasets, scientists today rely on

advances in computer science, networking, mathematics, and computational science, as well as large-scale computing and networking facilities, to increase our understanding of ourselves, our planet, and our universe. Berkeley Lab's Computing Sciences organization researches, develops, and deploys new tools and technologies to

# LSU

## ASSISTANT/ASSOCIATE PROFESSOR (TENURE-TRACK/TENURED/MULTIPLE POSITIONS) SCHOOL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE COLLEGE OF ENGINEERING

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

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

Responsibilities include establishing a vigorous, externally funded research 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 positions will be 50% teaching and 50% research.

**Required Qualifications:** The successful applicants will possess a Ph.D. in Computer Science or other relevant discipline, a record of published research, and will have the ability to attract funding.

Salary and rank are commensurate with qualifications and experience. An offer of employment is contingent on a satisfactory pre-employment background check. Application review will begin January 16, 2015, or until a candidate is selected. Women and minorities are strongly encouraged to apply. Apply online and view a more detailed ad at: [www.lsusystemcareers.lsu.edu](http://www.lsusystemcareers.lsu.edu). Position #multipleCSE For consideration, please submit a copy of your curriculum vitae (including contact address), a statement of your research and teaching interests, and the name, addresses, phone numbers, and e-mail addresses of at least three references.

Quick link at ad URL:  
<https://lsusystemcareers.lsu.edu/applicants/Central?quickFind=58392>

*LSU IS COMMITTED TO DIVERSITY AND IS AN  
EQUAL OPPORTUNITY/EQUAL ACCESS EMPLOYER*

# Professional Opportunities

meet these needs and to advance research in such areas as global climate change, combustion, new energy sources, new materials, biology, and astrophysics.

## Research areas in Computing Sciences include:

- Developing mathematical tools for solving complex scientific problems
- Researching and developing hardware and software technologies to support extreme-scale computing
- Designing algorithms to improve the performance of scientific applications
- Researching computer architectures to improve system performance
- Advancing very large scale scientific data management
- Researching Software Defined Networking techniques to more efficiently move big-science data

## How To Apply

Apply directly online at <http://50.73.55.13/counter.php?id=13292> and follow the on-line instructions to complete the application process.

Berkeley Lab is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, age or protected veteran status.

## Lehigh University

*Department of Computer Science and Engineering*

*Teaching Faculty Position*

Applications are invited for a full-time, non-tenure track, Teaching Faculty position (Professor of Practice) in the Computer Science and Engineering Department of Lehigh University (<http://www.cse.lehigh.edu>), to start in January or August 2015.

The successful applicant should hold a graduate degree in Computer Science,

Computer Engineering, or a closely related field. The candidate must demonstrate a strong commitment to quality and innovation in undergraduate education.

Lehigh University is a private, highly selective institution that is consistently ranked among the top 40 national research universities by U.S. News & World Report. The faculty of the Computer Science and Engineering department includes ACM and IEEE fellows and six NSF CAREER award winners. The department offers a variety of undergraduate and graduate degree programs in Computer Science and Computer Engineering.

Located in Bethlehem, Pennsylvania, Lehigh is 80 miles west of New York City and 50 miles north of Philadelphia, providing an accessible and convenient location that offers an appealing mix of urban and rural lifestyles.

Applications can be submitted online at <https://academicjobsonline.org/ajol/jobs/4559>, and should include a cover letter, curriculum vita, teaching statements, and contact information for at least three references. Review of applications will begin November 1, 2014 and will continue until the is filled.

Lehigh University is an affirmative action/equal opportunity employer and provides comprehensive benefits including domestic partner benefits (see also <http://www.lehigh.edu/worklifebalance/>). Lehigh University is a 2010 recipient of an NSF ADVANCE Institutional Transformation Grant.

Read more at <http://www.lehigh.edu/luadvance/>. Lehigh Valley Inter-regional Networking & Connecting (LINC) is a newly created regional network of diverse organizations designed to assist new hires with dual career, community and cultural transition needs. Please contact [infdcap@lehigh.edu](mailto:infdcap@lehigh.edu) for more information. Questions concerning this search may be sent to [pop-search@cse.lehigh.edu](mailto:pop-search@cse.lehigh.edu).

## Massachusetts Institute of Technology

### Faculty Positions

The Department of Electrical Engineering and Computer Science (EECS) seeks candidates for faculty positions starting in September 2015. Appointment will be at the assistant or untenured associate professor level. In special cases, a senior faculty appointment may be possible. Faculty duties include teaching at the undergraduate and graduate levels, research, and supervision of student research. Candidates should hold a Ph.D. in electrical engineering and computer science or a related field by the start of employment. We will consider candidates with research and teaching interests in any area of electrical engineering and computer science.

Candidates must register with the EECS search website at <https://eecs-search.eecs.mit.edu>, and must submit application materials electronically to this website. Candidate applications should include a description of professional interests and goals in both teaching and research. Each application should include a curriculum vitae and the names and addresses of three or more individuals who will provide letters of recommendation. Letter writers should submit their letters directly to MIT, preferably on the website or by mailing to the address below. Please submit a complete application by December 1, 2014.

Send all materials not submitted on the website to:

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

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

# Professional Opportunities

## Max Planck Institute for Software Systems

### Tenure Track Openings

Applications are invited for tenure-track faculty positions in all areas related to the theory and practice of software systems. These areas include, but are not limited to, security and privacy, embedded and mobile systems, social computing, data science, programming languages and systems, software verification and analysis, parallel, distributed, and networked systems.

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

MPI-SWS, founded in 2005, is part of a network of over 80 Max Planck Institutes, Germany's premier basic research facilities. MPIs have an established record of world-class, foundational research in the fields of medicine, biology, chemistry, physics, technology and humanities. Since 1948, MPI researchers have won 17 Nobel prizes. MPI-SWS aspires to meet the highest standards of excellence and international recognition with its research in software systems.

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

- a) Faculty enjoy academic freedom, receive institutional funding and attract additional third-party funds to build and lead a team of graduate students and post-docs.
- b) Faculty supervise doctoral theses, and have the opportunity to teach graduate and undergraduate courses.
- c) Faculty enjoy outstanding technical and administrative support, as well as internationally competitive.



Middlebury, VT

# Middlebury

Come build your future at Middlebury College!

## Assistant Professor - Computer Science

Middlebury College invites applications for a Tenure-track Faculty Position in Computer Science, at the rank of Assistant Professor, beginning in Fall 2015. Specialization is open, with preference for candidates working in computer systems or applied areas with interdisciplinary focus. To see the complete ad, visit <http://apptrkr.com/521153>.

Applications should be received by November 25, 2014.

An Equal Opportunity Employer, the College is committed to hiring a diverse faculty as we work to foster innovation in our curriculum and to provide a rich and varied educational experience to our increasingly diverse student body.

EOE/Minorities/Females/Vet/Disability

MPI-SWS currently has 10 tenured and tenure-track faculty and about 50 doctoral and post-doctoral researchers. The institute will grow to at least 17 faculty over the coming years. 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. 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 via the secure application form. The review of applications will begin on December 1, 2014, and applicants are strongly encouraged to

apply by that date; however, applications will continue to be accepted through December 2014.

Applications may be sent to: <http://www.mpi-sws.org/index.php?n-careers/tenure-track>

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

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

## Michigan State University

### Computer Science and Engineering Faculty Positions

The Department of Computer Science and Engineering (CSE) at Michigan State University (MSU) invites applications for

# Professional Opportunities

two tenure-system faculty positions in the area of machine learning and other related disciplines.

Candidates at all ranks will be considered. The successful candidates will be expected to develop an externally funded interdisciplinary research program of national prominence that includes fundamental research, publications in journals and high quality conferences, and training graduate students. Multidisciplinary research is

strongly encouraged and is being actively pursued by the faculty members at MSU.

Leadership is expected in the development of innovative educational programs that provide state-of-the-art knowledge to both undergraduate and graduate students. Candidates should have a Ph.D. in Computer Science or a closely related field, with evidence of research accomplishments, teaching skills, and ability to work effectively with other researchers. The candidate

is also expected to participate in MSU campus programs, including the Institute for Cyber-Enabled Research, which supports a significant high performance computing infrastructure and a steadily increasing data science/computational science program.

Appointment will start in August 2015.

MSU enjoys a park-like campus with outlying research facilities and natural areas. The campus is adjacent to the city of East Lansing and the capital city of Lansing. The Lansing metropolitan area has a diverse population of approximately 460,000 residents. Local communities have excellent school systems and place a high value on education. Michigan State University is pro-active in exploring opportunities for employment for dual career couples, both inside and outside the University and information about MSU's dual career support can be found at <http://miwin.msu.edu/>. Information about WorkLife at MSU and the College of Engineering can be found at <http://www.egr.msu.edu/WE>.

Applicants should submit a cover letter, curriculum vitae, the names of at least three references, and statements of research and teaching interests for this position through <http://jobs.msu.edu> and refer to posting # 0222 (PDF files are preferred). Applications will be reviewed on a continuing basis until the positions are filled. Review of applications will begin on December 1, 2014. Nominations or questions are welcome by contacting the search committee chair through email at [search@cse.msu.edu](mailto:search@cse.msu.edu).

For additional information about the university, college and department, please use the following links:

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

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

MSU – <http://www.msu.edu/>

MSU is an affirmative-action, equal opportunity employer. MSU is committed



## Mount St. Mary's University

The Department of Mathematics and Computer Science at Mount St. Mary's University in Emmitsburg, Maryland invites applications for a tenure track appointment in computer science starting August 2015. The successful candidate will have a Ph.D. in computer science or a Ph.D. in mathematics with graduate work in computer science and a commitment to excellence in teaching, scholarship, and service to the campus community. Successful candidates will share our commitment to the dignity and solidarity of all persons and the value of intercultural understanding.

Mount St. Mary's University seeks faculty members eager to engage and support our Catholic identity. Application materials should discuss how you might contribute to the University's Catholic liberal arts mission, how your work engages with the Catholic intellectual tradition, or how your own faith tradition informs your vocation as teacher and scholar. Please send via email a cover letter, vita, teaching statement, research statement, and three letters of recommendation, at least one of which addresses teaching, to [resume@msmary.edu](mailto:resume@msmary.edu). Review will begin immediately and the position will remain open until filled.

We seek to build an inclusive faculty that can engage the interests of an increasingly diverse student population; we welcome applications from minority candidates.

Questions and application materials should be directed to:

Dr. Jeffrey Simmons, Dean  
School of Natural Science and Mathematics  
Mount St. Mary's University  
16300 Old Emmitsburg Rd.  
Emmitsburg, MD 21727-7799  
[simmons@msmary.edu](mailto:simmons@msmary.edu)

# Professional Opportunities

to achieving excellence through a diverse workforce and inclusive culture that encourages all people to reach their full potential. The University actively encourages applications and/or nominations of women, persons of color, veterans and persons with disabilities.

## Montana State University

*Department of Computer Science  
Assistant or Associate Professor*

The Montana State University Computer Science Department invites applications for one or more tenure-track faculty positions at the level of either Assistant Professor or Associate Professor.

Because increasing the diversity of the computer science profession is one of our strategic priorities, women and underrepresented minorities in computing are particularly encouraged to apply. MSU recognizes the importance of work-life integration and strives to be responsive to the needs of dual career couples.

The faculty position(s) to be filled is a full-time tenure track appointment with primary responsibilities in teaching, research and service/outreach. The successful candidate will become an integral part of the CS program. Duties will include teaching courses consistent with the candidate's background, working on curriculum development, developing a nationally recognized, externally funded research program, and participating in professional/service activities.

The website <https://jobs.montana.edu/postings/628> has information on position requirements and application procedures.

ADA/EO/AA/Veterans Preference.

## New College of Florida

*Computer Science  
Two Tenure-Track Positions*

New College of Florida invites applications for two tenure-track Assistant Professor positions in Computer Science, starting in August, 2015, to join an undergraduate program in computer science and to participate in a proposed new master's program in data science. A Ph.D. in computer science or a related field is required. Postdoctoral or teaching experience is preferred. A senior position may be available for qualified candidates willing to assume a leadership role in the master's program.

We are a small program looking for colleagues to teach in an undergraduate program that produces inquisitive, articulate, well-rounded software developers. Preference will be given to candidates who specialize in areas giving students entry into developing good software skills.

In addition to teaching undergraduates, successful candidates will help to create and develop the master's program, which New College plans to begin in the fall of 2015 pending approval. Faculty will teach graduate courses and lead group projects that use data from industry and research organizations.

Situated on the Gulf Coast of Florida and Sarasota Bay, New College is a nationally recognized, highly-selective public honors college with an 11:1 student/faculty ratio. Undergraduate research plays a central role in the curriculum. Students, with the help of faculty sponsors, plan their own academic programs through a series of semester contracts, and receive narrative evaluations in lieu of grades. Completion of a senior thesis is a graduation requirement.

The teaching load is two classes per semester, plus supervision of tutorials, independent study projects, senior theses, and master's projects. The College is

especially interested in candidates who can contribute to the diversity and excellence of the academic community through teaching, research, and service.

A complete application includes a letter of application, curriculum vitae, three letters of recommendation (at least one that evaluates teaching) emailed to: [jobs@ncf.edu](mailto:jobs@ncf.edu), a statement of teaching philosophy (including course proposals), and a description of proposed research (including how undergraduates would be involved). To ensure full consideration, all materials should be received by December 1, but applications will be reviewed until the position is filled. New College of Florida is an EOE/AA/ADA/WMA institution. For more information about New College and the position, and to apply online, see: <http://www.ncf.edu/search>.

## New York University/ Courant Institute of Mathematical Sciences

*Department of Computer Science  
Faculty Positions*

The department expects to have several regular faculty positions beginning in September 2015 and invites candidates at all levels. We will consider outstanding candidates in any area of computer science. Faculty members are expected to be outstanding scholars and to participate in teaching at all levels from undergraduate to doctoral. New appointees will be offered competitive salaries and startup packages, with affordable housing within a short walking distance of the department. New York University is located in Greenwich Village, one of the most attractive residential areas of Manhattan.

The department has 35 regular faculty members and several clinical, research, adjunct, and visiting faculty members. The department's current research interests include algorithms, cryptography and

# Professional Opportunities



## National University

*Multiple Tenure-Track Faculty Positions*

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

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

These areas are to be viewed in a broad sense, and we are particularly interested in candidates whose research interests cut across these and related areas. We seek candidates demonstrating excellent research potential and a strong commitment to teaching. We will also seriously consider exceptional candidates in other areas of computer science. Further, we will consider candidates at senior ranks (Associate and Full Professor) who have an outstanding record of research accomplishments.

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

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

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

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

Applications will be reviewed as they are received and will continue until the positions are filled. However, to ensure maximal consideration applicant should submit their materials by January 15, 2015.

theory; computational biology; distributed computing and networking; graphics, vision and multimedia; machine learning and data science; natural language processing; scientific computing; and verification and programming languages.

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

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

To guarantee full consideration, applications should be submitted no later than December 1, 2014; however, this is not a hard deadline, as all candidates will be considered to the full extent feasible, until all positions are filled. Visiting positions may also be available.

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

## North Carolina State University

*Department of Computer Science  
Security Faculty Positions*

The Department of Computer Science at North Carolina State University (NCSU) seeks to fill tenure-track faculty positions in the area of Security starting August 16, 2015.

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

# Professional Opportunities

expenditures and recognition have been growing steadily as has the recognition of our impact in the areas of security, systems, software engineering, educational informatics, networking, and games.

For example, we have one of the largest concentrations of NSF Early Career Award winners (24 of our current or former faculty have received one).

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

Applications will be reviewed as they are received. The positions will remain open until suitable candidates are identified. Applicants are encouraged to apply by December 15, 2014. Applicants should submit the following materials online at <http://jobs.ncsu.edu> (reference position number 00001094) cover letter, curriculum vitae, research statement, teaching statement, and names and complete contact information of four references, including email addresses and phone numbers. Candidates can obtain information about the department and its research programs, as well as more detail about the position advertised here at <http://www.csc.ncsu.edu/>. Inquiries may be sent via email to: [security-search@csc.ncsu.edu](mailto:security-search@csc.ncsu.edu).

NCSU is an equal opportunity and affirmative action employer. In addition, NCSU welcomes all persons without regard to sexual orientation or genetic information. Individuals with disabilities requiring disability-related accommodations in the

application and interview process please call (919) 515-3148.

## Northeastern Illinois University

*Tenure-Track, Assistant Professor Position*

Northeastern Illinois University's Computer Science Dept. in Chicago invites individuals to apply for a tenure-track, assistant professor position, starting in September 2015. A Ph.D. in Computer Science or closely related field is required. We will consider applicants from all areas of computer science, but we are especially looking for candidates with from the following areas: Software Engineering, Business Intelligence, Analysis and Design of Systems, Data Analytics, Informatics, and Emerging Technologies.

Responsibilities include teaching workload of three courses per semester (fall/spring), advising Master's students, continuing with research, and service.

Review of applications will begin on November 15, 2014, and continue until the position is filled.

AA/EOE

See: <http://www.neiu.edu/academics/college-of-arts-and-sciences/departments/computer-science>

## Northeastern University - Boston Campus

*College of Computer and Information Science*

*Lecturer - Non Tenure Track - Full Time*

The College of Computer and Information Science invites applications for the position of Lecturer(s). Primary responsibilities will be teaching undergraduate and graduate courses in the Computer Science and/or Information science fields. Positions will begin in September 2014 and the salary is competitive.

Candidates must have a PhD in Computer and/or Information Science, teaching experience preferred.

If you have questions, please e-mail [dhodgkin@ccs.neu.edu](mailto:dhodgkin@ccs.neu.edu)

Apply: <http://neu.peopleadmin.com/postings/19033>

## Northeastern University - Boston Campus

*College of Computer and Information Science*

*Professor & Associate Dean - Undergraduate Programs*

The College of Computer and Information Science at Northeastern University seeks applicants for the position of Professor and Associate Dean for Undergraduate Programs, starting January 1, 2015, if possible, or July 1, 2015, otherwise. This is a full-time position within the College. The Associate Dean will play an important role in the growth and development of the College, as our undergraduate enrollments continue to increase and as our interdisciplinary efforts widen.

The general duties of the Associate Dean include but are not limited to: enhancement of the numerous undergraduate degree programs offered by the College and design of new programs as needed; general supervision of the course content of individual courses and creation of new courses as appropriate in cooperation with faculty experts; collaboration with the Dean to implement academic programs and assessment measures; collaboration with the Dean and the other Associate Deans to hire teaching faculty; managing the teaching faculty and oversight of teaching in collaboration with the other Associate Deans; scheduling of the sections for all undergraduate and graduate CS and IS courses in collaboration with the Associate Dean for Graduate Programs; tracking

# Professional Opportunities

and recording tenure/tenure-track faculty teaching loads and related non-instructional activity; implementing academic policies for undergraduate students and deciding when exceptions may be granted for appropriate reasons; assisting the academic advisors with student issues and registrar questions and occasionally doing direct student advising.

The Associate Dean also serves on several permanent University committees including the committee of all undergraduate associate deans and the committee that reviews undergraduate curriculum changes. The Associate Dean may also be asked to serve on ad hoc committees from time to time.

The position of Associate Dean for Undergraduate Programs offers opportunities for professional growth and development, and for frequent interaction with a committed faculty and a supportive Dean. The Associate Dean is a member of the Dean's senior leadership team and assists with strategic planning for the College. The Associate Dean may also be asked to undertake special projects as assigned by the Dean or as requested by the Office of the Provost or the Office of the President.

The successful candidate for Associate Dean will have well-developed interpersonal communication skills, written and oral. The position requires a doctoral degree in Computer Science and/or relevant field; an academic rank of Full Professor or Associate Professor; at least three years experience in upper level academic administration; and demonstrated proficiency in management.

The Associate Dean is expected to maintain some level of research activity to maintain disciplinary skills and may choose to teach one academic course per year to keep in direct contact with students.

To Apply: <http://neu.peopleadmin.com/postings/31376>

## Northeastern University - Seattle Campus

*College of Computer and  
Information Science*

*Lecturer - Full-time (Non Tenure Track)*

The College of Computer and Information Science invites applications for the position of Lecturer(s) at the Seattle campus. Primary responsibilities will be teaching graduate courses in the Computer Science field. Positions will begin in January 2015 and the salary is competitive.

Candidates must have a PhD in Computer and/or related field, teaching experience preferred.

If you have any questions, please e-mail [d.hodgkin@neu.edu](mailto:d.hodgkin@neu.edu)

## Northeastern University - Seattle Campus

*College of Computer and  
Information Science*

*Professor of the Practice & Dir CS  
Programs-Seattle*

The Director of CS Programs-Seattle will provide the leadership for overseeing the growth of computer science programs offered in Seattle, specifically ALIGN and the MSCS. The Seattle Regional Campus is part of the NU Global Network and presents an opportunity to enroll a substantial number of high quality students and build deep relationships with major corporations located in Seattle such as Amazon, Google and Microsoft. It also represents an unprecedented opportunity to recruit full- and part-time faculty from the local community who can enrich our courses in Seattle, and ultimately throughout the Global Network, with the deep industrial experience they have acquired.

The Director will have a PhD in CS or equivalent and have a distinguished career in the computing field that would qualify for the title of Professor of the Practice in Computer

Science. The Director will also be expected to teach two courses per year.

To Apply: <http://neu.peopleadmin.com/postings/31769>

## Northeastern University

*College of Computer and  
Information Science*

*Assistant/Associate/Full Professor*

The College of Computer and Information Science invites applications for at least five 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 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, information retrieval and data mining), cloud computing and security. Candidates are expected to have or to develop an independently funded research program of international caliber and to participate in undergraduate and graduate teaching.

Qualifications: A PhD in Computer Science, Information Science or a related field is required.

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

The College has a diverse full-time faculty of 47, and offers a broad array of educational opportunities to students. Since 2010, the College has hired 27 outstanding faculty members, and plans to continue this strategic growth in the coming years. In addition to Bachelor's, Master's, and PhD

# Professional Opportunities

programs in the computing discipline, the College offers several innovative undergraduate and graduate degree programs that combine computing with an important application domain. Fourteen 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 822 undergraduates, 976 Masters, and 106 Ph.D. students. A particular focus in the next three years is to grow the faculty, research and PhD program.

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:

Screening of applications begins immediately. For full consideration, application materials should be received by December 1, 2014. 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.

Please apply for these positions [here](#).

## Northern Illinois University

### Tenure-Track Positions

The Computer Science Department at Northern Illinois University invites applicants to the tenure-track appointments it anticipates making at the rank of Assistant Professor to start in August 2015. Responsibilities include teaching, scholarship, grantsmanship, and service.

Candidates must have or expect to complete a Ph.D. or equivalent degree

in computer science by August 16, 2015. Candidates from all research areas are welcome, but preference will be given to candidates with expertise in Data Science and Applied Algorithms.

Candidates must have expertise or evident potential for quality teaching at both the undergraduate and graduate levels. Further, candidates must show evidence of, or potential for, publishing in premiere peer-reviewed journals, developing an independent line of research, and securing external funding. Finally, candidates must have effective interpersonal communication skills and a commitment to teamwork and collegiality.

Northern Illinois University is an Affirmative Action/Equal Opportunity Employer. A pre-employment criminal background investigation is required.

Qualified individuals must submit a cover letter, current curriculum vitae, a statement of research vision, a statement of teaching interests, and a list of three references. All materials must be submitted as a single PDF file to [applicants@cs.niu.edu](mailto:applicants@cs.niu.edu) by January 31, 2015.

## Northwestern University

*Department of Communication Studies*

*Computation and Communication; Media Studies; and Organizations and Networks*

The Department of Communication Studies at Northwestern University seeks to hire for three faculty members in the areas of Computation and Communication; Media Studies; and Organizations and Networks. Candidates should apply for only one of these positions. The appointments will begin on September 1, 2015. The successful candidates will be expected to publish innovative research, teach undergraduate and graduate courses, and perform professional service commensurate with rank. The successful candidates will also be expected to play a substantive role in the development of the recently launched Master of Science in Leadership for Creative Enterprises program ([https://www.communication.northwestern.edu/programs/ms\\_leadership\\_creative\\_enterprises](https://www.communication.northwestern.edu/programs/ms_leadership_creative_enterprises)).

Relevant work experience in the creative sector is preferred.

a. Computation and Communication (Search No. 24144)

Assistant or Associate Professor position for candidates with an interest in computation and communication. Areas of expertise include but are not limited to: human-computer interaction; social media; big data; collective intelligence; crowdsourcing; and collaboration and coordination online.

b. Media Studies (Search No. 24153)

Assistant, Associate or Full Professor position for candidates with an interest in media studies. Areas of expertise include but are not limited to: digital media uses; media institutions; social media; big data; the production, distribution, exhibition, and consumption of media arts and culture; advertising and marketing; music, podcasting and sound; gaming and entertainment; entrepreneurship and

# Professional Opportunities

innovation; regulation and policy; and media history.

## c. Organizations and Networks (Search No. 24152)

Assistant or Associate Professor position for candidates with an interest in organizations and networks. Areas of expertise include but are not limited to: team dynamics; social media and online networks; inter- and intra-organizational networks; entrepreneurship and innovation; leadership; collective action; and project management.

The Department of Communication Studies supports a popular undergraduate major, and graduate programs in Media, Technology and Society, and Rhetoric and Public Culture, as well as an interdisciplinary graduate program in Technology and Social Behavior. Through special resources for research support and scholarly event programming, the department is able to offer rich opportunities for scholarly development. School of Communication faculty also can have opportunities during their career at Northwestern to teach and conduct research at the Northwestern University campus in Doha, Qatar.

Candidates should send a letter of application, CV, publication samples, evidence of teaching effectiveness, and three letters of reference to Professor Pablo J. Boczkowski, at [LCEFacultySearch@northwestern.edu](mailto:LCEFacultySearch@northwestern.edu). Review of applications will begin November 1, 2014.

Northwestern University is an equal opportunity, affirmative action educator and employer. Hiring is contingent on eligibility to work in the United States.

Search Chair: Pablo J. Boczkowski  
Department of Communication Studies  
2240 Campus Drive  
Evanston, IL 60208

## NYU Shanghai

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

### Faculty Position

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

The terms of employment in NYU Shanghai are comparable to U.S. institutions and include research start-up funds, generous compensation, housing subsidies, and educational subsidies for children. Faculty may also spend time at NYU New York and other sites of the global network, engaging in both research and teaching opportunities, and have opportunities to collaborate with the many research centers and groups at NYU, including our recently launched centers for Data Science (CDS) and Urban Science and Progress (CUSP).

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

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

### About NYU Shanghai:

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

New York University has established itself as a Global Network University, a multi-site, organically connected network encompassing key global cities and idea capitals. There are three degree-granting campuses in New York, Shanghai, and Abu Dhabi, and complemented by eleven additional academic centers across five continents. Faculty and students circulate within the network in pursuit of common research interests and cross-cultural, interdisciplinary endeavors, both local and global.

EOE/Minorities/Females/Vet/Disabled

## Oberlin College

*Department of Computer Science  
Tenure-Track Assistant Professor in  
Machine Learning*

The Department of Computer Science at Oberlin College invites applications for a full-time, tenure-track faculty position starting

# Professional Opportunities

in the Fall of 2015 with a specialization in Machine Learning or a related area.

For additional information see the full posting on [AcademicJobsOnline.org](http://AcademicJobsOnline.org) or <http://new.oberlin.edu/home/jobs/>

Applicants must apply online at Academic Jobs Online: <https://academicjobsonline.org/ajol/jobs/4861>

## Ohio University

*Assistantships Available for Graduate Study in Electrical Engineering and Computer Science*

Ohio University invites you explore graduate study in electrical engineering and computer science. The School of Electrical Engineering and Computer Science offers a doctoral program as well as masters programs in both electrical engineering and computer science. The doctoral program has a direct-entry option for interested students currently completing their undergraduate studies. Competitive financial support in the form of research and teaching assistantships is available to top applicants.

The School of EECS is home to a dynamic academic environment with faculty and students performing leading-edge research sponsored by NSF, NASA, FAA, other

government agencies, and industry yielding an average of \$6M in new awards per year over the past 5 years.

Visit the Ohio University Graduate College website <http://www.ohio.edu/graduate/> to start the on-line application process.

For more information, visit our website <http://www.ohio.edu/engineering/eecs/academics/graduate.cfm> or contact [gradinfo@eecs.ohio.edu](mailto:gradinfo@eecs.ohio.edu).

## Oklahoma State University

*Tenure-Track Positions*

Applications are invited for two tenure-track Assistant Professor positions. The term of appointments will start August 2015. This position is contingent upon availability of funds.

The Oklahoma State University (OSU) Computer Science Department is seeking applications from qualified candidates in all areas of Computer Science with emphasis on Big Data and the related fields. A Ph.D. in Computer Science or a closely related area is required. The positions being sought are for the main OSU campus in Stillwater; however, duties may be assigned to either the OSU-Stillwater campus, the OSU satellite campus in Tulsa, or both.

The OSU Computer Science Department is a growing department that is committed strongly to the goal of excellence in research, teaching, and outreach. The Department offers the B.S., M.S., and Ph.D. degrees in Computer Science and is in the process of implementing a graduate certificate program in Big Data Analytics. The Department also offers courses to students at remote sites using interactive video and the Internet. There are currently about 220 undergraduate students and about 80 graduate students enrolled in the Department.

To apply, visit: [http://cs.okstate.edu/Faculty\\_Search-2014-2015](http://cs.okstate.edu/Faculty_Search-2014-2015)

For full consideration, applications should be received by November 15, 2014; however, applications will be considered until the positions have been filled.

Oklahoma State University is an AA/EEO/E-verify employer committed to diversity. All qualified applicants will receive consideration for employment and will not be discriminated against based on race, color, religion, sex, national origin, disability, or protected veteran status.

OSU-Stillwater is a tobacco-free campus.

## Frontier Faculty

As part of a plan for substantial expansion of the faculty in both core and emerging fields, the College of Engineering at the Pennsylvania State University announces openings for six tenure-system Frontier Faculty positions in, but not restricted to, the areas of Optimal and Secure Cyberenvironments (e.g. cybersecurity, cyberphysical engineering and healthcare systems, data analytics, informatics, multiscale-multiphysics modeling, cultural-technical system integration), Advanced Manufacturing for Medical and Mechanical Sciences (e.g., bioprinting; biomedical sensing, devices and imaging; nanomanufacturing; additive manufacturing; new materials for sustainability and enhanced performance), Resilient Infrastructure Systems (e.g., autonomous, optimized and adaptive systems; advanced land, air and sea vehicles; infrastructure technology, management and finance system integration) and Sustainable Water-Energy-Food Nexus (e.g., modeling, optimization and management of interacting water-energy-food systems; water resources sustainability; energy efficiency; natural gas cycle; food production, harvesting, storage, and transportation optimization; optimized and socially-responsible energy, water and food production and distribution).

The College is particularly interested in senior and mid-career faculty members who have demonstrated exceptional records of success of integrating teaching, research, innovation,

leadership and service to the institution, profession and community. Exceptional junior faculty in emerging areas in engineering are also invited to apply.

This search is being conducted at the College of Engineering level and is led by the Dean's office; the academic home of the successful candidates will be determined during the hiring process. Additional information about these positions and the College's plan for growth may be found at [www.engr.psu.edu/growth](http://www.engr.psu.edu/growth).

Review of applicants will begin on November 1, and will continue until the positions are filled. Applicants should submit a statement of professional interests, a curriculum vitae, and contact information for four references. Please submit these items in one pdf file.

Apply to job 53460 at <http://apptrkr.com/514524>

CAMPUS SECURITY CRIME STATISTICS: For more about safety at Penn State, and to review the Annual Security Report which contains information about crime statistics and other safety and security matters, please go to <http://www.police.psu.edu/clery/>, which will also provide you with detail on how to request a hard copy of the Annual Security Report. Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to minorities, women, veterans, disabled individuals, and other protected groups.

# Professional Opportunities

## Pomona College

*Computer Science Department  
Tenure-Track Assistant Professor*

Computer Science Department, Pomona College: Tenure-track assistant professor, beginning July 1, 2014. Teaching load: 2/2. Ph.D. required.

The position is open to all areas of computer science. Candidates in areas including programming languages and systems are especially encouraged to apply.

Pomona College, the founding member of the Claremont Colleges, is a highly selective liberal arts college in southern California and attracts a diverse, national student body. The Computer Science Department supports equal access to higher education.

The ideal candidate will have experience working with students from diverse backgrounds and a demonstrated commitment to improving higher education for underrepresented students.

Please submit the following application materials online (<https://academicjobsonline.org/ajo/jobs/4611>): cv; graduate transcripts; 3 or more letters of recommendation, at least one evaluating teaching; and three brief statements – one addressing teaching philosophy, one addressing scholarship and one addressing demonstrated ability to mentor a diverse student body.

Review of applications will begin on December 31, 2014.

Further information at <http://www.cs.pomona.edu/search2015.html> or [search@cs.pomona.edu](mailto:search@cs.pomona.edu).

## Purdue University

*College of Technology - Department of  
Computer and Information Technology  
Department Head*

The College of Technology at Purdue University invites nominations and

applications for the position of Department Head for Computer and Information Technology (CIT). The successful candidate should have an outstanding record of scholarly achievement and a demonstrated commitment to excellence in research, teaching, and engagement. He/she should also have strategic leadership, communication, budgetary, and administrative abilities coupled with an appreciation for the diverse interests and missions of the department. Experience in strategic and transformative leadership with a proven record of scholarship, external funding, research, teaching, and education is highly desired. Candidates must hold a Ph.D. degree in a related discipline and have the credentials appropriate for appointment at the rank of full professor with tenure at Purdue University.

Screening of applicants will begin December 1, 2014 and will continue until the position is filled.

Candidates should electronically submit a letter of application addressing their qualifications, curriculum vitae, and other supporting documentation, including the names, addresses, and telephone numbers of five references, at <http://ow.ly/CnMrW>.

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

## Purdue University

*Department of Computer Science  
Tenure-Track/Tenured Faculty Positions*

The Department of Computer Science at Purdue University is entering a phase of significant growth, as part of a university-wide Purdue Moves initiative. Applications are solicited for tenure-track and tenured positions at the Assistant, Associate and Full Professor levels. Outstanding

candidates in all areas of computer science will be considered. Review of applications and candidate interviews will begin early in October 2014, and will continue until the positions are filled.

The Department of Computer Science offers a stimulating and nurturing academic environment with active research programs in most areas of computer science. 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 conduct research in their fields of expertise, teach courses in computer science, and participate in other department and university activities. Salary and benefits are competitive, and Purdue is a dual career friendly employer.

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

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

# Professional Opportunities

## Queens College of CUNY

*Tenure-Track Assistant Professor  
Computer Science*

The Department of Computer Science at Queens College of CUNY is accepting applications for a tenure-track position in Computer Science at the Assistant Professor level starting Fall 2015.

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

## Rensselaer Polytechnic Institute, Troy NY

*Department of Computer Science  
Assistant, Associate or Full Professor*

Candidates sought in the area of "cyber security", including but not limited to, networked and distributed systems security, anonymity and privacy, malware analysis and forensics, trusted systems, and cyber warfare.

Highly collaborative applicants with strong technical visions; a focus on emerging 21st century technologies and challenges; and primary interests in systems with strong backgrounds in theory are desired. The incumbent will teach graduate and undergraduate courses, develop and maintain robust programs of research; and engage in academic and administrative service.

Candidates must have a Ph.D. or foreign degree equivalent in computer science or closely related field. Candidates for Assistant Professor must have the ability to demonstrate, through accomplishments, promise of future distinction in scholarship and education. Candidates for Associate Professor must demonstrate accomplishments over a minimum of three (3) years of professional academic experience that include a growing body of publications, sponsored research and success as an educator.

Candidates for Professor must be eligible for tenure and demonstrate having achieved the following in a minimum of 7 years of professional academic experience: academic leadership; a nationally or internationally recognized record of excellence in scholarship; a sustained level of high quality in educational activities that go beyond teaching and advising; and a sustained level of professional and academic service.

The Department of Computer Science has 23 tenured and tenure-track faculty and excellent undergraduate, masters and PhD programs involving over 700 total students. The department maintains strong interdisciplinary research efforts, bolstered by the Institute for Data Exploration and Applications, the Center for Computational Innovations, the Data Science Research Center, the Network Science and Engineering Center, the Tetherless World Constellation, and the Center for a Digital Society.

Applicants must submit statements of research and teaching interests and a *curriculum vitae* including a list of publications to <https://application.cs.rpi.edu>. Applicants for assistant professor positions must arrange for the submission of three letters of reference, while applicants for tenured positions must provide a list of references. Questions may be directed to Ms. Sharon Simmons, Administrative Coordinator ([simmos2@cs.rpi.edu](mailto:simmos2@cs.rpi.edu)). Review of candidates is ongoing. Applications will be accepted until the position is filled. Applications received by December 1, 2014 are assured full consideration.

We welcome candidates who will bring diverse intellectual, geographical, gender and ethnic perspectives to Rensselaer's work and campus communities. Rensselaer Polytechnic Institute is an Affirmative Action/Equal Opportunity Employer

## Rhodes College

*Department of Mathematics and  
Computer Science*

*Assistant Professor of Computer Science*

The Department of Mathematics and Computer Science at Rhodes College invites applications for a tenure-track position as an assistant professor of computer science beginning in August 2015. We welcome candidates from all areas of scholarly specialization within computer science. Duties of the position include teaching systems-oriented courses like operating systems, computer architecture, networks, and security, as well as other courses at all levels of the undergraduate computer science curriculum. The teaching load is 3/2.

Rhodes College values an inclusive and welcoming environment. We are an equal opportunity employer committed to diversity (<http://www.rhodes.edu/collegehandbook/10309.asp>) in the workforce.

For more information about the position and to apply online, go to [jobs.rhodes.edu](http://jobs.rhodes.edu).

## Rice University

*Department of Computer Science  
Assistant Professor*

The Department of Computer Science at Rice University (Houston, TX) invites applications for a tenure-track Assistant Professor who will enhance one of the department's established research areas of Computer Science, while also bringing an emphasis related to Data-Intensive Science. Exceptional candidates at the Associate and Full Professor levels will also be considered. A commitment to excellence in both research and teaching is required for a tenure-track appointment. Teaching loads are set low for tenure-track positions to accommodate time for research. The position will start in July 2015. Applicants must hold a Ph.D. degree or equivalent in

# Professional Opportunities

computer science or a related discipline, or must complete the Ph.D. by November 1 of the year employment commences.

Rice University, located in Houston, Texas, is a private university with a strong reputation for academic and research excellence. Rice attracts outstanding undergraduate and graduate students from across the nation and around the world. Rice provides a stimulating environment for research, teaching, and joint projects with industry.

The department and the university have access to superb computational research facilities, both on-campus and in our networked off-campus data center. The university is located across the street from the Texas Medical Center, one of the premiere centers for medical research in the United States. Houston's energy, medical, aerospace, and technology communities together make the city a hub for computational innovations across real-time, embedded and high-performance systems, with an increasing demand for data analytics across this spectrum. As the fourth-largest city in the USA, Houston is a cosmopolitan destination with a vibrant economy and world-class performing arts, museums, sports, and dining venues that are all located in close proximity to Rice.

## Application Instructions

Please submit a resume, a research statement, a statement of teaching interests, and the names and addresses of at least three references through the Department's website, <http://csfacultyapplications.rice.edu>. The deadline for applications for this position is December 15, 2014. However, late applications for this position may still be considered at the discretion of the faculty search committee for this position. Please specify clearly in your cover letter that you are applying for a tenure-track faculty position. More information can be found on our web site, <http://www.cs.rice.edu> or by contacting the

Computer Science Department Administrator, Karen Lavelle, at [klavelle@rice.edu](mailto:klavelle@rice.edu).

Rice University is an Equal Opportunity Employer with commitment to diversity at all levels, and considers for employment qualified applicants without regard to race, color, religion, age, sexual orientation, gender identity, national or ethnic origin, genetic information, disability or protected veteran status.

## Santa Clara University

*Department of Computer Engineering  
Two Tenure-Track Assistant Professor Positions*

The Department of Computer Engineering at Santa Clara University invites applications for two tenure-track Assistant Professor positions starting in the 2015-2016 academic year. Applicants must hold a doctorate in computer science, computer engineering, or in a closely related field with preferred specialization in the Web, security, networks, user experience (UX), or machine learning although strong candidates in any field will be considered. Applicants must have a strong commitment and ability to teach at both the undergraduate and graduate levels and must have demonstrated a strong potential for research in computing.

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

Santa Clara University (<https://www.scu.edu>) is a comprehensive Jesuit, Catholic university, located in the heart of Silicon Valley. Distinguished by the highest retention rate and ranked second among all master's universities in the West by U.S. News and World Report, Santa Clara University is

California's oldest operating institution of higher education. The School of Engineering is committed to improving the human condition through engineering education, practice, and scholarship, promoting the University's mission to 'fashion a more humane, just and sustainable world'.

SCU maintains small class sizes and promotes close faculty/student interaction. The University enrollment is approximately 5,500 undergraduate and 3,700 graduate students. The Department (<http://www.scu.edu/engineering/cse/>) offers B.S., M.S. and Ph.D. degrees, with 16 full-time faculty, and a strong pool of approximately 30 part-time adjunct faculty who instruct over 300 undergraduate majors, and about 500 part-time and full-time graduate students. The School of Engineering maintains strong ties to local industry.

The proposed start date is September 1, 2015.

## Application Instructions

Applicants should submit detailed CVs, statements of research interests, statements of teaching interests, and names and contact information of three professional references. All materials should be submitted online at <https://jobs.scu.edu/postings/1667>

Review of applications will begin upon receipt and the search will remain open until the position is filled.

EEO / AA Policy:

Santa Clara University is an equal opportunity/Affirmative Action employer and welcomes applications from women, persons of color and members of other historically underrepresented U.S. ethnic groups. The University welcomes and honors people of all races, genders, creeds, cultures, and sexual orientations and values intellectual curiosity, pursuit of knowledge, and academic freedom and integrity. The University will provide reasonable accommodations to individuals with a disability.

# Professional Opportunities

## Sonoma State University

*Teacher/Scholar*

Department of Computer Science at Sonoma State University is seeking a highly motivated teacher/scholar to join the department at the Assistant Professor level starting on August 1, 2015. The successful candidate will teach computer science courses across our Bachelor of Science curriculum, offer upper-division electives, demonstrate potential for a sustained research career, and actively foster an undergraduate research program.

Please see [http://www.sonoma.edu/aa/docs/poas/tt/poa\\_103841.pdf](http://www.sonoma.edu/aa/docs/poas/tt/poa_103841.pdf)

## Stanford University

*Department of Computer Science*

*Faculty Openings*

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

We are seeking applicants from all areas of Computer Science, spanning theoretical foundations, systems, software, and applications. We are also interested in applicants doing research at the frontiers of Computer Science with other disciplines, including but certainly not limited to those in the engineering, mathematical, medical, physical, and social sciences. Applicants must have completed (or be completing) a Ph.D., must have demonstrated the ability to pursue a program of research, and must have a strong commitment to graduate and undergraduate teaching. A successful candidate will be expected to teach courses at the graduate and undergraduate levels, and to build and lead a team of

graduate students in Ph.D. research. Further information about the Computer Science Department can be found at <http://cs.stanford.edu>. The School of Engineering website may be found at <http://soe.stanford.edu>.

Applications should include a curriculum vita, brief statements of research and teaching

interests, and the names and contact information of at least four references.

Please apply online at <http://soe-apps.stanford.edu/FacultyApplyCS>. Questions should be directed to, Search Committee Chair, c/o Laura Kenny-Carlson, via electronic mail to [search@cs.stanford.edu](mailto:search@cs.stanford.edu).



Stony Brook  
University

## Multiple Positions in all Areas of Computer Science

Stony Brook University's Department of Computer Science invites applicants for multiple tenure-track faculty positions for Spring or Fall 2015. 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: Cyber-security, Digital Media, HCI and Intelligent Interfaces, NLP, Machine Learning, Computational Science/Supercomputing, and Biomedical Informatics.

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

The Department currently has over 50 faculty members and is expected to recruit additional members in the next several years. 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, in terms of new faculty lines, a new Computer Science building, a recent Center of Excellence in Wireless and Information Technology (CEWIT) building, a recent Center of Excellence in Advanced Energy (AERTC), along with new programs in SUNY Korea.

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

Applicants should apply online at: <https://hiring.cs.stonybrook.edu/>. Review of applications will begin immediately and will continue until the positions are filled.

**Alternatively, Mail-In Applications to:**

**Search Chair  
Assistant/Associate/Full Professor (9149) Search  
Department of Computer Science  
Computer Science Building, Room 2434  
Stony Brook, NY 11794-4400**

For a full position description, application procedures, or to apply online, visit [www.stonybrook.edu/jobs](http://www.stonybrook.edu/jobs) (Ref. #F-9149-14-08.)

*Stony Brook University is an Affirmative Action/Equal Opportunity employer. We encourage protected veterans, individuals with disabilities, women and minorities to apply.*

# Professional Opportunities

The review of applications will begin on November 17, 2014, and applicants are strongly encouraged to submit complete applications by that date for full consideration; however, applications will continue to be accepted until February 13, 2015.

Stanford University is an equal opportunity employer and is committed to increasing the diversity of its faculty. It welcomes nominations of and applications from women, members of minority groups, protected veterans and individuals with disabilities, as well as from others who would bring

additional dimensions to the university's research, teaching and clinical missions.



*Department of Computer Science*

Tel: 201.216.5578

Fax: 201.216.8249

## **Stevens Institute Of Technology**

*Distinguished Chair in Computer Science*

Stevens Institute of Technology invites nominations and applications for The David & GG Farber Distinguished Chair in Computer Science. We seek a renowned scholar and/or a uniquely accomplished practitioner who aspires to be a senior academic leader. The Chair holder will also serve as the Director of the Department of Computer Science, and will assume a leadership role in the School of Engineering and Science to strengthen and expand the department's cross-disciplinary role within the Institute and to further enhance our national and international impact in computer science education, research, and service. The ideal candidate will have an exceptional record of achievement in one of the areas of Computer Science in which Stevens possesses unique strengths -- computer security; visual computing; and machine learning for big data. The candidate should also have a demonstrated interest in working at the intersection of computer science and society, with the ability to lead research and educational programs that not only advance the field but also address the impact of these advances on society at large. The candidate will have demonstrated the qualities of leadership and innovation, and will be eligible for a tenured academic appointment at the rank of Professor.

The Computer Science department is one of the most vibrant academic departments at Stevens, currently with 15 full-time faculty and growing, together with numerous distinguished adjuncts drawn from nearby research centers. Nearly all of the faculty have extensive externally-funded research programs with federal agencies including NSF, NSA, DHS, NIH, and others. The department hosts a National Center of Academic Excellence in Information Assurance Education, and a National Center of Academic Excellence in Information Assurance Research, both designated by NSA. The chair holder will have at his/her discretion an annual fund that can be used to support his/her research activities. The department has an undergraduate enrollment of approximately 300 students, and almost 400 graduate students in five Masters programs and one Ph.D. program. Candidates are encouraged to visit the department's homepage at [www.stevens.edu/ses/cs](http://www.stevens.edu/ses/cs).

Stevens Institute of Technology is a private university, located in Hoboken, New Jersey. The 55-acre campus is located in a beautiful park-like setting on the Hudson River, directly across from New York City. Stevens' location offers excellent opportunities for collaborations with nearby universities such as NYU, Princeton, Columbia, and Rutgers/DIMACS as well as major industrial research laboratories such as Bell Labs, AT&T Labs, IBM Research, Google New York, Siemens, and the Sarnoff Corporation. Faculty members have opportunities for participation in the rich cultural and intellectual life of the New York City area.

Applications should include curriculum vitae, statements of research and teaching interests and at least three references. PDF format is preferred for all application materials and reference letters. Review of applications will begin immediately and will continue until the position is filled.

Stevens Institute of Technology is an Equal Opportunity Employer. Stevens is building a diverse faculty, staff, and student body and strongly encourages applications from females and minority candidates as well as veterans and individuals with disabilities.

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

# Professional Opportunities

## State University of New York at Binghamton

Department of Computer Science  
Six Tenure-Track Positions

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

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

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

For the faculty positions in areas (1) and (2) above, the Department seeks a research scholar with research that will affiliate with the Binghamton University Transdisciplinary Areas of Excellence Initiative in Smart Energy (<http://www.binghamton.edu/tae/smart-energy/>) and Healthcare systems (<http://www.binghamton.edu/tae/health-sciences/index.html>) respectively.

Applications will be reviewed until positions are filled. First consideration will be given to applications received by February 20, 2015.

We are an EE/AA employer.



## Postdoctoral Associate Computer Science

SBU's Computer Science Dept. invites applicants for a Postdoctoral position involved in the completion of a project on Virtual Pateatography (VP).

**Required Qualifications:** PhD in Computer Science, Computer Engineering, or the equivalent degree. Directly related experiences in the areas of medical imaging and/or virtual medicine.

**Preferred Qualifications:** Expertise in visualization and its applications including scientific and medical, natural phenomena modeling, and virtual reality. Experience in team management. Excellent writing and communication skills to include writing research proposals.

For a full position description, visit [www.stonybrook.edu/jobs](http://www.stonybrook.edu/jobs) (Ref. # WC-R-9159-14-08-S).

*Stony Brook University is an Affirmative Action/Equal Opportunity employer.  
We encourage protected veterans, individuals with disabilities,  
women and minorities to apply.*

## Swarthmore College

Assistant Professor

Swarthmore College invites applications for a tenure-track position in the area of Computer/Electrical Engineering at the Assistant Professor level, to start during the Fall semester of 2015. A doctorate in Computer or Electrical Engineering is required. The appointee will pursue a research program that encourages involvement by undergraduate students. Strong interests in undergraduate teaching, supervising senior design projects, and student mentoring are also required. Teaching responsibilities include courses in computer hardware such as computer architecture and digital logic, and electives in the appointee's area of specialization.

Located in the suburbs of Philadelphia, Swarthmore College is a highly selective undergraduate liberal arts institution with 1500 students whose mission

combines academic excellence and social responsibility. Eight full-time faculty members in the Department of Engineering offer a rigorous, ABET-accredited program for the Bachelor of Science in Engineering to approximately 120 students. Sabbatical leave with support is available every fourth year. The department has an endowed equipment budget, and there is support for faculty/student collaborative research. For program details, see <http://engin.swarthmore.edu/>.

Before January 1, 2015, upload your CV, brief statements describing teaching philosophy and research interests, along with three letters of reference to: <https://academicjobsonline.org/ajo/jobs/4467>

Swarthmore has a strong institutional commitment to excellence through diversity in its educational program and employment practices and actively seeks and welcomes applications from candidates with exceptional qualifications, particularly those

# Professional Opportunities

with demonstrable commitments to a more inclusive society and world.

## Swarthmore College

### Multiple Visiting Positions

Applications are invited for multiple 2-year visiting positions at the assistant professor level beginning Fall 2015.

Swarthmore College has a strong institutional commitment to excellence through diversity and inclusivity in its educational program and employment practices. The College actively seeks and welcomes applications from candidates with exceptional qualifications, particularly those with demonstrable commitments to a more inclusive society.

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

We seek applicants who are enthusiastic about teaching undergraduates and already have teaching experience. Applicants should be comfortable teaching a wide range of courses at the introductory and intermediate level of CS. A Ph.D. in CS by or near the time of appointment is required.

We are particularly interested in applicants whose areas will add to the breadth of our program. However, strong applicants in all areas will be considered.

Applications will be accepted until the positions are filled. Applications should include a vita, teaching statement, research statement, and three letters of reference, at least one that speaks to the candidate's teaching ability.

Applicants must apply online at Academic Jobs Online

<http://academicjobsonline.org/ajo/jobs/4689>

## Temple University

*Department of Computer and Information Sciences*

*Junior and Senior Tenure-Track Faculty Positions*

Applications are invited for tenure-track, open rank, faculty positions in the CIS department at Temple University.

The junior position is in systems area, including but not limited to: parallel computer architecture and languages, storage and database systems, distributed computing, software systems, embedded computing & CPS, and security and robustness.

The senior position for Associate or Full Professor is open to all areas of computer science/engineering. Applicants for the senior position are expected to have an outstanding and continuing track record of research and funding.

The CIS Department has two undergraduate degree programs, one in Computer Science (CS) and one in Information Science and Technology (IS&T), a master's program in CIS, a master's program in IS&T, and a PhD program in CIS. The department, recently moved to a new Science Education and Research Center, has undergone considerable growth in research in the past few years, during which research funding, publication rates, and the number of Ph.D. students has significantly increased. Located in Philadelphia, the 5th-largest city in the U.S., Temple University is a comprehensive research institution that serves more than 39,000 students. It is the 26th largest university in the United States and is one of the nation's leading centers of professional education.

Please submit applications with all requested information online at <https://academicjobsonline.org/ajo/jobs/4808>. For further information check <http://www.cis.temple.edu> or send email to **Dr. Krishna Kant**, Chair, Faculty Search Committee at [kkant@temple.edu](mailto:kkant@temple.edu) with Subject=TTPosition.

Review of candidates will begin on November 1, 2014 and will continue until the positions are filled. Senior position applicants, who are interested in the general future directions of the department, can also directly contact the department chair **Dr. Jie Wu** at [jjewu@temple.edu](mailto:jjewu@temple.edu) with Subject=SeniorPosition.

## Texas State University

*Department of Computer Science*

*4 Postdoctoral Research Assistant Positions*

### POSTDOCTORAL POSITION IN EYE MOVEMENT BIOMETRICS

Duties and Responsibilities: Conduct research with Dr. Komogortsev, pushing forward the state of the art in the eye-movement biometrics domain. That will include improving the biometrics accuracy of the existing eye-movement driven-biometric algorithms, developing new algorithms, performing liveness detection studies, working with different oculomotor plant models and representations of brain activity that can be extracted from the eye-movement signals. The work will entail mathematical modeling, coding, and conducting user studies, and publishing research outcomes. Special emphasis would be put on incorporating eye-movement-driven biometrics methods into wearable mobile devices such as Google Glass.

Qualifications: The candidates are expected to have a doctoral degree in either in Computer Science, Mathematics, Psychology or a closely related area and a good track record in scientific research. Good English proficiency is a necessary prerequisite. Good programming skills in such languages as MATLAB, C/C++, C# are expected. Previous experience with eye movement/biometrics/mathematics/machine learning research is a plus.

# Professional Opportunities

## POSTDOCTORAL POSITION IN RECOMMENDER SYSTEMS

Duties and Responsibilities: Will work with Dr. Michael Ekstrand on a variety of projects to develop and test recommender systems and recommender evaluation methods; work may include other aspects of intelligent information systems, with an emphasis on user-centric evaluation of algorithms, depending on candidate's interests.

Responsible for conducting original research, mentoring students, contributing to grant proposals, and helping with the development and maintenance of the LensKit software.

Qualifications: Background in one or more of recommender systems, information retrieval, user modeling, machine learning, and human-computer interaction; strong Java programming skills a plus.

## POSTDOCTORAL POSITION IN HUMAN-CENTERED COMPUTATIONAL DATA ANALYSIS

Duties and Responsibilities: Will work under the supervision of Dr. Vangelis Metsis on projects to develop and test methods and tools for acquisition and analysis of behavioral and physiological data, coming from human subjects. The methods will be based on theory coming from the areas of machine learning, data mining and computer vision.

Qualifications: Applicants must have a Ph.D. in Computer Science or Computer Engineering by the time of appointment, a demonstrated record of high-quality research output in one or more of the areas of Machine Learning, Data Mining and Computer vision, and experience in the use of sensors for human-centered data acquisition. Strong programming skills in Java and Matlab are a plus, as are good English-language technical writing skills.

## POSTDOCTORAL POSITION IN DEVELOPMENT OF COMPUTATIONAL METHODS TO ANALYZE HIGH-THROUGHPUT BIOLOGICAL DATA

Duties and Responsibilities: Work with Dr. Zare in Oncinfo Lab, to develop advanced



### Tennessee Tech University

*Computer Science*

*Chairperson and Stonecipher/Boeing Distinguished Professor of Computing*

Full-time position. Complete position summary and application procedures available at [www.tntech.edu/jobs](http://www.tntech.edu/jobs).

Screening of applications will begin on December 8, 2014; open until filled. Tennessee Tech University is an AA/EEO employer and does not discriminate on the basis of race, color, religion, ethnic or national origin, sex, disability, age (40 and over), status as a protected veteran, genetic information or any other category protected by federal or state law. Inquiries regarding the nondiscrimination policies should be directed to [equity@tntech.edu](mailto:equity@tntech.edu).

computational methods for analyzing RNA-seq from large cohorts.

Qualifications: A PhD by the time of appointment with a strong background in molecular biology and computer programming.

For more information and application instructions, please review the Computer Science postdoctoral job postings listed at <http://facultyrecords.provost.txstate.edu/faculty-employment/faculty-employment.html>.

Texas State University is an Affirmative Action/Equal Opportunity Employer and a tobacco-free campus. Texas State University is a member of The Texas State University System.

### Texas Tech University

*Department of Computer Science*

*Assistant/Associate Professor*

The Department of Computer Science at Texas Tech University invites applications for multiple tenure-track positions at the rank of assistant or associate professor starting in Fall 2015. Two positions are part of the University's Big Data initiative. Successful candidates must have a Ph.D. in computer science or a closely related field, be able to teach graduate and undergraduate courses, and perform research as evidenced by scholarly publications. Service duties include program-building, as well as commitment to extra-curricular activities. Service to the department, college, and university is expected. Preference will be given to researchers in Big Data visualization, Big Data Analytics or Management, Cyber Security and Software Engineering and candidates with strong potential to obtain extramural funding. Exceptional candidates in other research areas will also be considered.

The Department of Computer Science currently has 15 faculty members with 293

# Professional Opportunities

undergraduate and 119 graduate students. Texas Tech University, with an enrollment of 32,000 students, comprises 12 academic colleges/schools and is a part of the state-supported Texas Tech University System. The university shares its campus with the Texas Tech University Health Sciences Center.

Lubbock, a city of more than 200,000, is an economic and medical center on the Texas South Plains. The area offers a low cost of living, no state income tax, short commute times, and a rich heritage of music and culture.

Review of applications will begin in September 2014 and continue until the positions are filled. A letter of application, curriculum vitae, statement of proposed research, teaching statement, a sample of three papers published, and three letters of reference should be submitted electronically at <http://www.texas-tech.edu/careers/>. Please use requisition numbers 1204BR, 1205BR, and 1206BR.

As an Equal Employment Opportunity/Affirmative Action employer, Texas Tech University is dedicated to the goal of

building a culturally diverse faculty committed to teaching and working in a multicultural environment. We actively encourage applications from all those who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community at Texas Tech University. The university welcomes applications from minorities, women, veterans, persons with disabilities, and dual-career couples.

## Tulane University

*Department of Computer Science*

*Faculty Positions in Computer Science*

*Starting Fall 2015*



The Tulane University Computer Science Department is seeking candidates for multiple open positions at all levels. Candidates at the Associate and Full Professor level are especially encouraged to apply. These positions begin in Fall 2015. This is part of a multi-year effort to build a new program in computer science that focuses on interdisciplinary research with other areas represented at Tulane. Interested applicants should review the research interests of the department faculty, as well as those of other departments at Tulane to determine the potential for research collaboration.

The areas of focus are

**Systems:** We are interested in establishing a research group in systems that can take advantage of the collaborative opportunities at Tulane. Areas of focus include high-performance computing, big data and database research. Applications from candidates in other areas, such as distributed systems, also are encouraged. Researchers in these areas would have opportunities for collaboration at Tulane in a wide array of areas, from the sciences and engineering, to the health sciences, to emerging areas in the liberal arts.

**Artificial Intelligence/Machine Learning:** We also are seeking to establish a research group in machine learning. In addition to broadening the representation of AI in the department, participation is possible in computational biology research already underway between the department and colleagues in the health sciences on Tulane's downtown campus. The department also is launching a Masters program in computational linguistics in collaboration with faculty in linguistics.

We also welcome applications by outstanding candidates from other areas of Computer Science. We particularly encourage applications from candidates who are interested in helping us build a program that emphasizes the application of computer science to areas where its principles and tools can have a defining impact on the course of research.

A complete application should include a CV, statements on research and on teaching, and at least three letters of recommendation, either included in the submission or sent separately by the letter writers. Applications for this position will be reviewed starting February 1, 2015; the review and interview process will continue until the position is filled. Positions are subject to final administrative approval.

All applicants should apply electronically via the following link: [apply.interfolio.com/27214](http://apply.interfolio.com/27214).

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.

# Professional Opportunities

## Computer Science at TTI Chicago

*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, robotics 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 Machine Learning or Data Mining*

The Department of Computer Science in the School of Engineering at Tufts University invites applications for two tenure-stream faculty appointments to begin in September 2015. We are seeking candidates at the rank of Associate Professor or full Professor, although exceptional candidates at the rank of Assistant Professor will also be considered.

We welcome outstanding applicants with a strong vision and research programs in the areas of machine learning and data mining broadly interpreted to include related fields where data and its analysis are central. These include, for example, adaptive systems in robotics, computational linguistics, computational sustainability, and visual analytics.

Application materials should be submitted online through Academic Jobs Online (AJO) at <https://academicjobsonline.org/ajojobs/4533>

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 will begin December 8, 2014.

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.

## University of Alabama

*Tenured/Tenure-Track Faculty Positions, Computer Science Software Engineering Focus: CyberSecurity and Big Data*

The Department of Computer Science at the University of Alabama invites applications for two faculty positions at the Assistant/Associate level, to begin August 2015. The focus is software engineering, specifically applied to cybersecurity and big data. However, outstanding candidates in all areas will be considered. At the time of appointment, candidates must have earned a Ph.D. in Computer Science or a related field.

Located in Tuscaloosa, AL, near Birmingham, the University of Alabama is the largest institution in the state with roughly 35,000 students. The University was ranked in 2014 by US News and World Report as 36th among US public universities. The Computer Science Department has approximately 450 undergraduate and 50 graduate students. The department also offers an undergraduate Software Engineering Concentration. The SE faculty are PIs on 12 active research grants totaling over \$3.6M. For more information, please visit <http://se.cs.ua.edu>.

For additional details, visit <http://cs.ua.edu/> or contact Dr. Jeffrey Carver ([faculty](mailto:faculty),

[search@cs.ua.edu](mailto:search@cs.ua.edu)). To apply, visit: <https://facultyjobs.ua.edu/postings/35920>. Review of applications will begin immediately.

The University of Alabama is an equal opportunity/affirmative action employer. Women and minority applicants are particularly encouraged to apply.

## The University of Alabama at Birmingham (UAB)

*College of Arts and Sciences*

*Chair, Department of Computer and Information Sciences*

The UAB College of Arts and Sciences (CAS) invites applications for the position of Chair of the Department of Computer and Information Sciences. For additional information on the department, please visit <https://cis.uab.edu/>.

Computer and Information Sciences at UAB offers BS, MS, and PhD degrees. The Department has a strong research focus, excellence in teaching, and a strong commitment to outreach, innovation, and industrial partnerships. Research grants are growing significantly, and the Department has a leading role in an Interdisciplinary Research Center in Information Assurance and Computer Forensics. Departmental strengths include research programs in diverse areas of Computer Science including programming languages and software engineering, information assurance, natural language processing, machine learning, data mining, computer graphics, visualization, 3D printing, computer forensics, and high performance computing. Collaborations with UAB's school of engineering and the medical enterprise are strong and growing, with opportunities for faculty to participate in interdisciplinary R&D.

The successful candidate will combine excellence in research and management with a fundamental understanding of the operation and advancement of a research-

# Professional Opportunities

focused Computer Science department at a Carnegie Research Extensive University (RU-VH). The chair is responsible for overall departmental administration and reports to the Dean of the College of Arts and Sciences. The successful candidate will be expected to provide strategic direction, vision, and leadership to the department and to participate actively in development across the UAB campus and in the city of Birmingham. The University is now embarking on the development of a 5 and 10 year plan to develop research computing. There is an opportunity for significant growth of the department over the next five years and the new Chair is expected to play an active role in the development of research computing infrastructure at UAB.

The Chair is the chief academic, financial, and strategic officer for the Department. He or she will work to recruit and retain outstanding faculty and students at all levels, contribute to the intellectual life of the department as an active member of the faculty, and promote the department within the University and, as importantly, outside the University to secure support. A PhD in Computer Science or a closely related field is required. Candidates must possess a distinguished record of scholarship, grant funding, teaching, and professional service consistent with appointment at the rank of Full Professor with tenure. Candidates must exhibit excellent interpersonal, verbal, and written communication skills, and interest in commercialization and entrepreneurship is welcome.

Applicants should submit (1) a cover letter summarizing qualifications and explaining interest in the position, (2) a complete curriculum vitae, (3) a statement of vision and management style, and (4) contact information for at least five references. References will not be contacted without prior permission of the candidate.

Screening will begin on 10/01/2014, and will continue until the position is filled. Please go to the following web-site to apply and upload application materials.

<http://www.uab.edu/cas/application>

For more information or to make inquiries about this position, contact

Yogesh K. Vohra, PhD  
Professor/Associate Dean  
Chair, CIS Chair Search Committee  
E-mail: [ykvohra@uab.edu](mailto:ykvohra@uab.edu)  
Tel: (205) 934-6662

UAB is an Equal Opportunity/Affirmative Action Employer committed to fostering a diverse, equitable and family-friendly environment in which all faculty and staff can excel and achieve work/life balance irrespective of race, national origin, age, genetic or family medical history, gender, faith, gender identity and expression as well as sexual orientation. UAB also encourages applications from individuals with disabilities and veterans.

A pre-employment background investigation is performed on candidates selected for employment.

## The University of Arizona

*Department of Computer Science  
Lecturer/Senior Lecturer/Professor of Practice*

The Department of Computer Science at The University of Arizona seeks applicants for a teaching position at any level (Lecturer, Senior Lecturer, and Professor of Practice). This is a full-time, benefits-eligible, non-tenure track appointment with one-to-three year renewable academic year contract. The level of appointment will depend on the candidate's qualifications and experience.

The most important criteria for the position are demonstrated excellence in undergraduate Computer Science education, especially with large enrollment classes, and extensive knowledge of core Computer Science topics, e.g., programming languages, software engineering, and/or computer

systems and networks. Preference will be given to candidates who have, or are close to having, a PhD in Computer Science or related field as well as teaching experience.

The Department of Computer Science at the University of Arizona has 17 faculty members, 3 of whom are senior lecturers. It has a long history of research accomplishment, influential software distribution, and excellent undergraduate and graduate instruction. Current research and teaching areas span most core areas of Computer Science. The university is located in Tucson, a valley with desert landscape surrounded by mountain ranges. Tucson boasts a warm climate, 350 sunny days per year, with ample opportunities for outdoor activities such as hiking, mountain biking, horseback riding, caving, and rock climbing. More information about the University and its environs is available at [www.whyUA.com](http://www.whyUA.com).

The minimum requirement for the position is an MS in Computer Science or closely related discipline.

The University of Arizona is a committed Equal Opportunity/Affirmative Action Institution. Women, minorities, veterans and individuals with disabilities are encouraged to apply.

## Application Instructions

Current information regarding this position and instructions for applying are available at [www.UACareers.com/56659](http://www.UACareers.com/56659). Review of applications will begin on November 1, 2014, and continue until the position is filled.

## University of Arkansas

*College of Engineering  
Head, Department of Computer Science and  
Computer Engineering*

The College of Engineering at the University of Arkansas invites applications and nominations for the position of Head, Department of Computer Science and Computer Engineering (CSCE) and the

## Professional Opportunities

Rodger Kline Leadership Endowed Chair in CSCE. The Department Head reports to the Dean of the College of Engineering and the position carries a nationally competitive salary commensurate with experience and qualifications.

Please visit our search page at <http://csce.uark.edu/6688.php> to apply or for further information on this opportunity. Full consideration will be given to applications received by November 15, 2014. Applications submitted after that date will be reviewed as necessary to fill the position. Applicants are requested to electronically submit a single PDF file that includes: (a) their letter of application, (b) a comprehensive curriculum vita, and (c) the names, telephone numbers and email addresses of five professional references. References will not be contacted until advanced stages of screening.

The UA is AA/EQ Employer/Veterans/Disabled.

### University of British Columbia

*Data Science - Canada Research Chair Tier I  
Faculty of Science*

The Faculty of Science at the University of British Columbia, Vancouver, Canada, seeks candidates for a Tier I Canada Research Chair in Data Science, at a senior tenured associate professor or professor level. Salary commensurate with experience and research record.

The successful candidate will be synergistic with existing efforts across the Faculty and may be primarily involved in developing novel data science methods or in applying leading methods to domain-specific data sets. They will be capable of building and leading an interdisciplinary group of researchers across the Faculty. Canada Research Chairs are open to individuals of any nationality. UBC hires on the basis of merit and is strongly committed to equity and diversity.

Details and online application: <http://science.ubc.ca/dataarc>

### University of California, Riverside

*Department of Electrical and Computer  
Engineering*

*Faculty Positions*

The Department of Electrical and Computer Engineering at the University of California, Riverside invites applications for two faculty

positions (open rank) in all major areas of Computer Engineering (CEN) such as Computer architecture, Design automation, Low power, Digital VLSI, and Reliable Computing. The Computer Engineering Program at UCR is managed jointly by the Departments of Computer Science and Engineering (CSE) and Electrical and Computer Engineering (ECE). The search is focused

# UC San Diego

## Assistant Professor, Cognitive Science (10-868) Department of Cognitive Science

### THREE FACULTY OPENINGS

The Department of Cognitive Science (<http://cogsci.ucsd.edu>) within the Division of Social Sciences at the University of California, San Diego invites applications for three faculty positions. Areas of primary interest span across Design/Human Computer Interaction, Distributed Cognition/Cognitive Ethnography, Systems Neurobiology/Behavioral and Cognitive Neuroscience, Data Science, and Augmented Humans. We interpret these areas broadly and invite strong candidates in related specializations. We are especially interested in candidates who will flourish in a Cognitive Science Department, and whose research, teaching, or service has prepared them to contribute to our commitment to diversity, inclusion, and equity within an academic setting. All openings are at the Assistant Professor level. Joint appointment with other departments can be considered where appropriate.

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.

UCSD is an Equal Opportunity/Affirmative Action Employer with a strong institutional commitment to academic excellence and diversity and to addressing dual career issues (<http://academicaffairs.ucsd.edu/aps/partneropp/>). All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, age, or protected veteran status. 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. Applicants must have a Ph.D. or the terminal degree in their area. An interdisciplinary perspective and experience with multiple methodologies is highly valued.

Appointments will begin July 1, 2015 and salary is commensurate with experience and based on the University of California pay scale.

Applications received by December 15, 2014 will be given full consideration. However, positions will remain open until filled.

Candidates should submit, via online application to <http://apptrk.com/530644> : (a) a short cover letter describing background and interests, (b) vita, (c) research statement, (d) teaching statement, (e) reprints of up to four representative publications, (f) personal statement summarizing their contributions (or potential contributions) to diversity and leadership (<http://facultyequity.ucsd.edu/Faculty-Applicant-C2D-info.asp>), and (g) at least three references (name, title, address and email).

# Professional Opportunities

on the Assistant Professor level; however, candidates with an exceptional record of research, teaching, and graduate student mentoring will be considered at all levels.

Details and application materials can be found at [www.engr.ucr.edu/facultysearch](http://www.engr.ucr.edu/facultysearch). Full consideration will be given to applications received by December 15, 2014. Applications will continue to be accepted until the positions are filled.

EEO/AA/Disability/Vets Employer

## University of California, Riverside

*Department of Computer Science and Engineering - Bourns College of Engineering  
Faculty Positions*

The Department of Computer Science and Engineering, University of California, Riverside invites applications for **multiple tenure-track and/or tenured faculty positions** to begin in the 2015-16 academic year. Priority will be given to candidates, at all levels, in the following areas of research: (1) High Performance and Scientific Computing, (2) Operating/Distributed/Networked Systems and Security, (3) Big Data, and (4) Software Engineering; however, exceptional candidates in all areas will be considered. Salary level will be competitive and commensurate with qualifications and experience. Junior positions require a Ph.D. in Computer Science (or in a closely related field) at the time of employment and/or start of service period. Senior candidates need to have a strong record of research, teaching, and graduate student mentorship, while junior candidates need to show potential to excel in these areas.

Full consideration will be given to applications received by January 2nd 2015. We will continue to consider applications until the positions are filled. To apply, please register through the weblink at <http://www.engr.ucr.edu/facultysearch/>. For inquiries

and questions, please contact us at [search@cs.ucr.edu](mailto:search@cs.ucr.edu).

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, age, disability, protected veteran status, or any characteristic protected by law.

## University of California, Santa Barbara

*Media Arts & Technology Program  
Associate Professor*

The Media Arts & Technology Program at UC Santa Barbara invites applications at the Associate Professor level for a joint tenured position in Media Arts & Technology and Electrical and Computer Engineering. The position will be available July 1, 2015.

The department seeks exceptional candidates who will establish a vigorous research and teaching program in Physical Computing or related fields that engage embedded sensing systems, distributed or autonomous systems, robotics, mobile/flying devices, immersive, interactive, distributed environments, and high-dimensional data generated in scientific, artistic, and architectural domains. The successful candidate will be expected to actively engage in interdisciplinary research, creative work and teaching in art or architecture and engineering or science.

Media Arts and Technology (MAT) is a trans-disciplinary graduate program situated in both the College of Engineering and the College of Letters and Science (Division of Humanities and Fine Arts). MAT offers Master's and PhD degrees and has approximately 40 graduate students and 10 faculty members, several with joint appointments in engineering or arts departments. Areas of expertise include human-computer interaction, computer graphics, electronic music and sound design, computational visual and spatial arts, and multimedia signal processing. Offices and labs are housed in the California Nanosystems Institute building at UCSB, which includes a unique research facility called the Allosphere, a three-story spherical immersive environment. Additional information about MAT can be found at <http://www.mat.ucsb.edu>.

Applicants are expected to hold a doctoral degree in Media Arts and Sciences, Electrical Engineering, Computer Science, Architecture or a closely related field, and have demonstrated excellence in research and a strong commitment to creative activity, teaching and interdisciplinary scholarship to be given serious consideration for this position. Prospective candidates who pursue interdisciplinary research and are committed to the open, experimental prototyping design approach typical in the arts and architecture are strongly encouraged to apply.



UC SANTA CRUZ

UCSC is an EEO/AA/Vet/  
Disability/Minority Employer.

## Dean, Baskin School of Engineering

UC Santa Cruz is currently recruiting for a Dean for the Baskin School of Engineering. Close to Silicon Valley and with worldwide recognition for quality research and world-class teaching, UC Santa Cruz faculty, researchers, and students enjoy an exciting, interdisciplinary environment. For more information, visit <http://aptrkr.com/527702>

Position open until filled. For full consideration, apply by November 10, 2014.

# Professional Opportunities

Applicants should submit a curriculum vitae, research and teaching statements, three letters of reference, and links to projects and publications. Review of applications will begin on December 20, and continue until the position is filled.

The program is especially interested in candidates who can contribute to the diversity and excellence of the academic community through research, teaching and service. Please submit your application at: <https://recruit.ap.ucsb.edu/apply>. Inquiries about your application may be directed to: [recruit@mat.ucsb.edu](mailto:recruit@mat.ucsb.edu)

The University of California is an Equal Opportunity / Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, or any other characteristic protected by law including protected Veterans and individuals with disabilities.

## The University of Central Florida

*Assistant, Associate, or Full Professor (38159)*

The University of Central Florida (UCF) is strategically investing in interdisciplinary Data Analytics. The Computer Science Division in the College of Engineering and Computer Science at UCF invites candidates for a tenure/tenure-track position at the Assistant, Associate, or Full Professor level starting Fall 2015.

Successful candidates will have a record of high-quality publications and be recognized for their expertise and the impact of their research, will join a strong group engaged in the Data Analytics cluster composed of faculty from Computer Science, Statistics, Mathematics and Business, and will have a unique opportunity to shape computer science and interdisciplinary research and education in Big Data.

The position requires a Ph.D. from an accredited institution in an area appropriate to Computer Science and a strong commitment to the academic process, including teaching, scholarly publications, and sponsored research.

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

UCF has about 60,000 students and is the nation's second largest university. Located in Orlando, UCF is at the center of the I-4 High Tech Corridor. The corridor has an excellent industrial base that includes: software, defense, space, simulation and training, and a world-renowned entertainment industry. Adjacent to UCF is a thriving research park that hosts more than 100 high-technology companies and the Institute for Simulation and Training. The Central Florida area is designated by the State of Florida as the Center of Excellence in Modeling and Simulation. UCF also has an accredited medical school, which opened in 2009. Great weather, easy access to the seashore, one of the largest convention centers in the nation, and one of the world's best airports are just a few features that make Orlando an ideal location.

Candidates must complete an online job application at <http://www.jobswithucf.com/postings/39939>. The application

should include a cover letter, curriculum vitae, statements of research and teaching philosophy, and at least three professional references complete with address, phone number, and email address.

UCF is an Equal Opportunity/Affirmative Action employer. All qualified applicants are encouraged to apply, including minorities, women, veterans and individuals with disabilities. As a Florida public university, UCF makes all application materials and selection procedures available to the public upon request.

## University of Central Florida

*Tenure-Track or Lecturer Position in Digital Forensics Position # 36532*

Computer Science is looking for a faculty member with specialization in Digital Forensics and related areas of cybersecurity. The position is either tenure-track (or tenured, at any professorial level) or at the lecturer level (non-tenured). We offer a competitive salary and start up package with generous benefits.

As minimum qualifications all applicants must have a Ph.D. degree from an accredited institution in a field related to Computer Science, Digital Forensics, or Cyber Security. Candidates for a tenure-track position must have a record of high-quality research and publications. Preference will be given to candidates with a forensics industry certification (CCE, CCFP, CFCE, GCFA, GCFE, or a related certification), and with related work experience. For tenure-track or tenured positions, preference will be given to candidates with a strong funding record. Candidates must have a strong commitment to the academic process, including teaching, scholarly work, advising, and service.

UCF confers a Master of Science degree in Digital Forensics (MSDF), has been offered by the Computer Science Division of the EECS Department since 2008. The MSDF degree

# Professional Opportunities

is a collaborative effort between Computer Science, Forensic Science, Criminal Justice, and Legal Studies. The degree program consists of 30 credit hours, and prepares students, including working professionals who pursue the degree on a part-time or full-time basis, to gain the knowledge and skills required to work as an examiner in the field. More details about UCF's MSDF program including, the curriculum, faculty, and recent classes, can be found at the program's website: <http://msdf.ucf.edu>.

UCF is home to a Collegiate Cyber Defense Competition (CCDC) team that won the Alamo Cup in the 2014 national competition. There is a large group of undergraduate students who are very enthusiastic about cyber security. The MSDF program works closely with many organizations to support student internships, and has an excellent reputation among Florida law enforcement officials and departments. 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. 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. All qualified applicants are encouraged to apply, including minorities, women, veterans and individuals with disabilities. As a Florida public university, UCF makes all application materials and selection procedures available to the public upon request.

**Candidates must complete an online application at <http://www.jobswithucf.com/postings/39936>. In addition, candidates**

**must also submit** a signed cover letter, complete curriculum vitae, maximum two page statement outlining research vision and teaching interests, and a list of at least three **professional** references complete with address, phone number, and email address.

## University of Central Florida

*Tenure-Track Position in Information Technology Position # 38174*

UCF Computer Science is seeking a faculty member with specialization in Information Technology. This is a tenure-track (or tenured) position (at any level). We offer a competitive salary and start up package with generous benefits.

As minimum qualifications all applicants must have a Ph.D. degree from an accredited institution in a field related to Information Technology, Computer Science, Computer Engineering, or Cyber Security. Candidates must have a strong commitment to the academic process, including scholarly work, advising, service, and teaching. Preference will be given to candidates with a record of high-quality research, publications, funding, and extensive industry experience.

UCF confers a bachelor's degree in Information Technology, which has been offered by the Computer Science Division of the EECS Department since 2000. We have an excellent networking lab where students can gain hands-on experience with networking technology. Details regarding the IT program can be found at <http://www.cs.ucf.edu/academics/academics.php>.

UCF is home to a Collegiate Cyber Defense Competition (CCDC) team that won the Alamo Cup in the 2014 national competition; this team and the Collegiate Cyber Defense Club have a high percentage of IT students. 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. 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. All qualified applicants are encouraged to apply, including minorities, women, veterans and individuals with disabilities. As a Florida public university, UCF makes all application materials and selection procedures available to the public upon request.

**Candidates must complete an online application at <http://www.jobswithucf.com/postings/39935>. In addition, candidates must also submit** a signed cover letter, complete curriculum vitae, maximum two page statement outlining research vision and teaching interests, and a list of at least three **professional** references complete with address, phone number, and email address.

## University of Chicago

*Sr. Lecturer Position*

The Department of Computer Science at the University of Chicago invites applications for the position of Sr. Lecturer. This position carries responsibility for teaching undergraduate computer science courses in the fall, winter and spring quarters and serving as the academic associate director of the Master's Program in Computer Science (MPCS).

The academic associate director of the MPCS is responsible for the overall design and execution of the MPCS academic curriculum, including revisions and additions. The academic director also acts as the primary

# Professional Opportunities

liaison for academic affairs between the MPCS and departmental leadership, as well as with other departments and institutes of the University.

Specific duties include the preparation of the course schedule for each academic year (in consultation with MPCS leadership, lecturers, and adjunct faculty), advising students on their course selections, managing the MPCS's Practicum program, advising lecturers and adjunct faculty members on pedagogy, course design, and course issues when they arise, and leading searches for new MPCS lecturers.

Applicants must have a PhD in Computer Science or a related field and have experience teaching Computer Science at an undergraduate level, preferably introductory programming and upper-level systems courses. The successful candidate will have exceptional competence in teaching, curriculum development experience, excellent organizational and leadership skills, experience with developing and supporting innovative co-curricular activities, and superior academic credentials.

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.

Applicants must apply on line at the University of Chicago Academic Careers website at <http://tinyurl.com/nfdla44>.

Applicants must upload a cover letter, curriculum vitae with a list of publications and a one page teaching statement. In addition, three reference letters that address the candidate's teaching qualifications will be required. Reference submission

information will be provided during the application process. Review of complete applications, including reference letters, will begin January 15, 2015, and continue until the position is filled.

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, age, protected veteran status or status as an individual with disability.

The University of Chicago is an [Affirmative Action / Equal Opportunity](#) / Disabled / Veterans Employer.

## University of Cincinnati

*Assistant Professor Position (214UC9370)*

The School of Information Technology at the University of Cincinnati is accepting applications for tenure-track Assistant Professor position starting August 2015.

### Under Applications Instructions:

See [www.jobsatuc.com/applicants/Central?quickFind=89936](http://www.jobsatuc.com/applicants/Central?quickFind=89936)

## University College London (UCL)

*Department of Computer Science  
Faculty Position*

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

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

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

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

UCL, the third oldest university in England, and the first to admit students without regard for their race or creed, sits a few blocks from the British Museum in central London, a vibrant metropolis of 8.4 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 16th of January, 2015.

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

# Professional Opportunities

## University of Colorado BioFrontiers Institute

*Tenure-Track Assistant Professor in  
Computational Biology*

BioFrontiers integrates faculty from nine departments to address significant problems in biology and medicine at the interface of the biological sciences with the physical sciences, mathematics, computer science, and/or engineering (see <http://BioFrontiers.colorado.edu/about>). While a successful candidate could be rostered in any of our participating departments, this search will focus on candidates seeking to develop an internationally recognized research program in computational biology, with additional emphases on genomics, the microbiome, and/or network science. Successful candidates must demonstrate a strong focus on innovative computation in their research plan.

The tenure-track position is at the Assistant Professor level, although more senior candidates will also be considered. Candidates must have a Ph.D. and a demonstrated commitment to teaching at undergraduate and graduate levels. The successful candidate will hold the Marvin H. Caruthers Endowed Chair for Early Career Faculty for a period of four years, after which the Chair will be recycled to another early career faculty member.

Application materials are accepted electronically at <http://www.jobsatcu.com/postings/86204>. Review of applications will begin on November 11, 2014 and will continue until the position is filled. The University of Colorado Boulder conducts background checks for all final applicants.

As an Equal Opportunity/Affirmative Action employer, the University of Colorado is committed to diversity and equality in education and employment and sensitive to the needs of dual-career couples.

## The University of Colorado Boulder

*College of Media, Communication and  
Information*

*Founding Dean of the College of Media,  
Communication and Information*

The University of Colorado Boulder invites applications and nominations for the position of Founding Dean of its newly created College of Media, Communication and Information. The Dean is the chief academic and administrative officer of the Boulder Campus' new College of Media, Communication and Information (CMCI), providing strategic leadership, vision, planning, and management. This position has leadership responsibilities in management, matters of curriculum, budget, and personnel. The Founding Dean is expected to work cooperatively with other administrators and to be an advocate for the CMCI both within and outside the University.

The incumbent must be committed to excellence in undergraduate and graduate education; providing collaborative leadership both within and outside the College; working with campus leadership to execute a growth strategy that is congruent with the campus goals and budgeting processes; valuing and encouraging the contributions of varied and individual departments and programs, both within CMCI and across other schools and colleges on campus; recruiting and retaining outstanding faculty members and staff; and supporting scholarly, research and creative activities. A key area of focus for the Dean will be fundraising to support the College and its departments and programs. Additionally, the Dean will also need to be productively engaged with other Deans to promote, where appropriate, forward thinking interdisciplinary programs that may involve significant cooperation between one or more of the campus' other schools and colleges.

The CMCI is comprised of 7 academic units (some in their infancy) and several programs and centers. The College is home to ~50 full-time faculty and ~20 professional, technical, and administrative support staff. The CMCI student enrollment and faculty size is expected to grow by 50-75% over a three to five year period. For more information about the College, please visit: [www.colorado.edu/cmci](http://www.colorado.edu/cmci)

Salary is competitive and will be commensurate with skills and experience. The search committee will commence its confidential review of applications on December 1, 2014, and the search will remain open until the position is filled.

For full job description and to apply, please visit: <http://www.jobsatcu.com/postings/89395>

## 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 multiple tenure-track positions. The openings are targeted at the level of Assistant Professor, although exceptional candidates at higher ranks may be considered. Research areas of particular interest include secure and reliable software systems, numerical optimization and high-performance scientific computing, and network science and machine learning.

The Department's research and education efforts interact broadly with many interdisciplinary programs and collaborators in the Boulder area, including national labs at NIST, NOAA, NREL, and NCAR, and CU-Boulder research institutes including the BioFrontiers Institute and the Institute for Cognitive Science. The Department also has extensive ties with the thriving local tech community and inhabits a desirable and

# Professional Opportunities

picturesque location in the foothills of the Rocky Mountains.

Applications must be submitted on-line at: <https://www.jobsatcu.com/postings/89652>

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

## University of Colorado, Colorado Springs

*Computer Science Department  
Assistant Professor*

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

See job posting located here: <http://www.jobsatcu.com/postings/89009>.

UCCS fosters equity in employment, supporting diversity and assuring inclusiveness. The University is dedicated to ensuring a safe and secure environment for our faculty, staff, students and visitors. To support that goal, we conduct background investigations for prospective employees. The candidate must hold, before August 10, 2015, a PhD in Computer Science or a closely related field.

Ability to develop or continue to develop a strong research program and support educational programs at the undergraduate, MS and PhD levels. The candidate is expected to have a strong publication record and advanced candidates are expected to have either funding and/or industry experience.

## University of Connecticut (UConn)

*School of Engineering  
Assistant/Associate/Full Professors*

The School of Engineering at the University of Connecticut (UConn) solicits applications for two full-time tenure-track faculty positions at the rank of Assistant, Associate or Full Professor in the Computer Science & Engineering Department to conduct research, education and outreach.

The research specialties of interest for the first position include, but are not limited to, big data analysis in genomics, genomics data interpretation, machine learning and visualization, biological databases, biomedical literature mining, bioinformatics, systems biology, and related areas. Successful applicants are expected to actively collaborate with the newly

## University Of Georgia

*Assistant Professor Position in BIOINFORMATICS or  
BIOLOGICAL DATA SCIENCE 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 2015. We welcome applications from candidates with experience in any area of bioinformatics or biological data science/data analytics research.

The candidate should have a Ph.D. or equivalent degree in the sciences or any related field 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: Computer Science, Genetics or Plant Biology (<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 December 1, 2014, 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. The University is an EEO/AA Institution. Women, minorities, protected veterans and individuals with disabilities are strongly encouraged to apply. 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

established UCONN Institute for Systems Genomics (<http://isg.uconn.edu>).

The research specialties of interest for the second position are system verification, validation, modeling and/or design methodologies with an emphasis on Model-Based and Platform-Based Design principles. The position entails a deep collaboration with the United Technology Corporation (UTC) and the UTC Institute for Advanced System Engineering (<http://www.utc-iase.uconn.edu>).

For complete details please see our website at: <http://www.cse.uconn.edu/current-job-listings/>

UConn is an EEO/AA employer.

## 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 one tenure-track faculty position at Assistant Professor level starting in Fall 2015. 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, and Health Computing. 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 on-line at: <http://www.cs.uh.edu/faculty-search>

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

## University of Illinois at Chicago

*Department of Computer Science  
Multiple Faculty Positions*

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

(a) One position in Big Data, where our focus ranges from data management and analytics to visualization and applications involving large volumes of data.

(b) Two positions in Computer Systems, where we are looking for candidates whose work is experimental and related to one or more of the following topics: operating systems, networking, distributed computing, mobile systems, programming languages and compilers, security, software engineering, and other broadly related areas.

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

The University of Illinois at Chicago (UIC) ranks among the nation's top 50 universities in federal research funding and is ranked 4th best U.S. University under 50 years old by Times Higher Education. The Computer Science department has 24 tenure-track faculty representing major areas of computer science, and offers BS, MS and PhD degrees. Our faculty includes ten NSF CAREER award recipients. We have annual research expenditures of \$8.4M, primarily federally funded. UIC is an excellent place for interdisciplinary work—UIC houses the largest medical school in the country, and our faculty are engaged with several cross-departmental collaborations with faculty from health sciences, social sciences and humanities, urban planning, and the business school. UIC has an advanced networking infrastructure in place for data-intensive scientific research that is well-connected

# Professional Opportunities

regionally, nationally and internationally. UIC also has strong collaborations with Argonne National Laboratory and with the National Center for Supercomputing Applications, with programs in place for faculty members to apply for time on their high-performance supercomputing systems.

Chicago epitomizes the modern, livable, vibrant city. Located on the shore of Lake Michigan, it offers an outstanding array of cultural and culinary experiences. As the birthplace of the modern skyscraper, Chicago boasts one of the world's tallest and densest skylines, combined with a 8100-acre park system and extensive public transit and biking networks. Its airport is the second busiest in the world, with frequent non-stop flights to virtually anywhere. Yet the cost of living, whether in an 88th floor condominium downtown or on a tree-lined street in one of the nation's finest school districts, is surprisingly low.

Applications must be submitted at <https://jobs.uic.edu/>. Please include a curriculum vitae, teaching and research statements, and names and addresses of at least three references in the online application. Applicants needing additional information may contact the Faculty Search Chair at [search@cs.uic.edu](mailto:search@cs.uic.edu).

For fullest consideration, please apply by December 1, 2014. We will continue to accept and process applications until all the positions are filled. The University of Illinois is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply.

## University of Illinois at Urbana-Champaign

### *Positions in Bioinformatics & Bioelectronics*

The Department of Electrical and Computer Engineering (ECE) at the University of Illinois at Urbana-Champaign invites applications

for faculty positions in all areas and at all levels in bioinformatics, computational and systems biology, bioimaging, and bioelectronics/biophotonics broadly defined, with particular emphasis on genomic, proteomic and metabolic data analytics and emerging data acquisition, sensing and computing technologies. Areas of interest include, but are not limited to complex analysis and decision science for biological data processing; new DNA sequencing techniques, genome rearrangement problems and variant calling; machine learning for gene regulatory, metabolic and protein-protein interaction networks modeling and inference; biomolecule-semiconductor interaction, detection by nano-electronic membranes; multi-scale biological systems modeling; biological data visualization, imaging, and compression; and computing systems for computational biology from hardware, software to algorithms.

Applications are encouraged from candidates whose research programs are in core as well as interdisciplinary areas. Qualified senior candidates may also be considered for tenured full Professor positions as part of the Grainger Engineering Breakthroughs Initiative (<http://graingerinitiative.engineering.illinois.edu>), which is backed by a \$100-million gift from the Grainger Foundation to support research in bioengineering and big data, broadly defined. Faculty in the department carry out research in a broad spectrum of areas and are supported by world-class interdisciplinary research facilities, including the Beckman Institute for Advanced Science and Technology, the Coordinated Science Laboratory, the Institute for Genomic Biology, as well as several industrial centers and programs that foster international collaborations. This year the ECE Department has moved into its new 235,000 sq. ft. net-zero energy design building, which is a major campus addition with maximum space and minimal carbon footprint.

Please visit <http://jobs.illinois.edu> to view the complete position announcement and application instructions. Full consideration will be given to applications received by November 15, 2014, but applications will continue to be accepted until all positions are filled.

Illinois is an EEO Employer/Vet/Disabled  
[www.inclusiveillinois.illinois.edu](http://www.inclusiveillinois.illinois.edu).

## University of Illinois at Urbana-Champaign

### *Positions in Computing*

The Department of Electrical and Computer Engineering (ECE) at the University of Illinois at Urbana-Champaign invites applications for faculty positions at all areas and levels in computing, broadly defined, with particular emphasis on big data and its applications, including complex data analysis and decision science, scalable hardware and software systems; parallel, high-performance, and energy-efficient computing; reliable and secure computing; wired/wireless/social networking & distributed computing; mobile, wearable sensing & applications; and bioinformatics & systems biology, among other areas. From the transistor and the first computer implementation based on von Neumann's architecture to the Blue Waters petascale computer – the fastest computer on any university campus, ECE Illinois faculty have always been at the forefront of computing research and innovation. Applications are encouraged from candidates whose research programs specialize in core as well as interdisciplinary areas of electrical and computer engineering. The department is engaged in exciting new and expanding programs for research, education, and professional development, with strong ties to industry. This year the ECE Department has moved into its new 235,000 sq. ft. net-zero energy design building, which is a major campus addition with maximum space and minimal carbon footprint.

# Professional Opportunities

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

Please visit <http://jobs.illinois.edu> to view the complete position announcement and application instructions. Full consideration will be given to applications received by November 15, 2014, but applications will continue to be accepted until all positions are filled.

Illinois is an EEO Employer/Vet/Disabled  
[www.inclusiveillinois.illinois.edu](http://www.inclusiveillinois.illinois.edu).

## University of Kansas

*Department of Electrical Engineering and  
Computer Science  
Electrical Engineering/Computer Engineering  
/Computer Science Faculty*

The University of Kansas (KU) Department of Electrical Engineering and Computer Science (EECS) seeks outstanding individuals for five tenure track positions in the disciplines of electrical engineering, computer engineering, or computer science. Successful candidates are expected to contribute to

the development of academic and research programs and to contribute to the research community. Applicants are expected to have an earned doctorate, ABD, or equivalent in electrical engineering, computer science, computer engineering, or related fields at the time of appointment. The successful candidate must be eligible to work in the U.S. by the time of appointment.

The following positions are open at the assistant professor (tenure-track) level, with the possibility of higher rank for the exceptional applicant, with experience in:

Data Science/Health Informatics – Data science and applications; large-scale data analytics; smart health; decision supporting systems in health; text mining; information retrieval; data mining; machine learning. (<http://employment.ku.edu/academic/1781BR>)

Computer Architecture and Reconfigurable Computing – Multiple-core architectures; Systems-on-Chip (SoC), and Networks-on-Chip (NOC); embedded systems; programmable and adaptive architectures; digital system design and synthesis; high-assurance, secure, resilient, and cyber-physical computer architectures; exascale computing architecture and systems; special purpose computing and memory architectures for data analytics and retrieval. (<http://employment.ku.edu/academic/1779BR>)

Bioinformatics – New computationally intensive technologies and software tools for efficiently; storing biological data, retrieving biological data, organizing biological data, analyzing biological data. Other areas of computer science focused on computational life sciences maybe considered for exceptional applicants. (<http://employment.ku.edu/academic/1780BR>)

Wireless Devices, Communications and Applications – Wireless and sensing devices integrated into distributed systems to enable new mobile applications; sensors,

e.g., radar or biomedical, with integrated wireless communications; wireless devices, sensors and systems applied to challenged environments, e.g., civilian disasters, or military, or covert communications; “Networks of things” and distributed sensing; telemetry and applications; smart grid communications for power distribution and monitoring. (<http://employment.ku.edu/academic/1766BR>)

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

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

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

# Professional Opportunities

Applications should be submitted at <http://employment.ku.edu/academic-jobs>.

Applications should include a letter of application, curriculum vitae, a statement of research interests and plans, a statement of teaching interests and plans, and contact information for three references. Applications will be reviewed beginning December 1, 2013 and will be accepted until the position is filled. The appointment will be effective as negotiated. Questions can be sent to: [EECS\\_Search@eecs.ku.edu](mailto:EECS_Search@eecs.ku.edu).

KU is an EO/AAE. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex (including pregnancy), age, national origin, disability, genetic information or protected Veteran status.

## University of Kentucky

*Information and Communication Technology (ICT) Program (Data Science) #FE00060: Assistant Professor*

University of Kentucky invites applications for a tenure-track Assistant Professor position in the ICT to start August 2015.

### Application Instructions

Full details about the position and application process are available by visiting <http://ict.uky.edu/lis/content/call-applicants-multiple-faculty-positions-ict>

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

## University of Kentucky

*Information and Communication Technology (ICT) Program (Data Science) #FE00061: Lecturer*

University of Kentucky invites applications for a Lecturer position in the ICT to start August 2015.

### Application Instructions

Full details about the position and application process are available by

visiting <http://ict.uky.edu/lis/content/call-applicants-multiple-faculty-positions-ict>

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

## University of Kentucky

*Information and Communication Technology (ICT) Program #FE00068: Assistant Professor*

University of Kentucky invites applications for a tenure-track Assistant Professor position in ICT to start August 2015.

### Application Instructions

Full details about the position and application process are available by visiting <http://ict.uky.edu/lis/content/call-applicants-multiple-faculty-positions-ict>

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

## University of Kentucky

*Information and Communication Technology (ICT) Program #FE00075: Lecturer*

University of Kentucky invites applications for a Lecturer position in the ICT to start January 15, 2015 or August 2015.

### Application Instructions

Full details about the position and application process are available by visiting <http://ict.uky.edu/lis/content/call-applicants-multiple-faculty-positions-ict>

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

## University of Manitoba

*Faculty of Science, Department of Computer Science*

*Assistant Professor - Position #16238/19395*

The Department of Computer Science at the University of Manitoba invites applications for two full-time tenure-track positions at

the rank of Assistant Professor, commencing **July 1, 2015**, or as soon as possible thereafter. The successful candidate must have a PhD in Computer Science or an equivalent discipline by the commencement date of the appointment, have demonstrated competence in teaching, and evidence of strong potential for developing and sustaining a program of externally funded research in one of the areas described in the following paragraph. Salary will be commensurate with experience and qualifications. A Faculty of Science startup research grant will be awarded to all newly appointed faculty members.

For one position, we are seeking candidates with research expertise in the area of Bioinformatics. For the other position, we are primarily seeking candidates with research expertise in Big Data, but will also consider outstanding candidates in other areas of Computer Science. Duties will include undergraduate teaching and graduate teaching and supervision, research, and service-related activities.

Further information can be found at [www.cs.umanitoba.ca](http://www.cs.umanitoba.ca) and the Human Resources job posting 800-073-14 ([http://umanitoba.ca/cgi-bin/human\\_resources/jobs/view.pl?posting\\_id=90907](http://umanitoba.ca/cgi-bin/human_resources/jobs/view.pl?posting_id=90907)).

For more information on this and other opportunities, please visit: [umanitoba.ca/employment](http://umanitoba.ca/employment)

## University of Maryland Baltimore County, UMBC

*Information Systems Department*

*Tenure-Track Faculty Position at the Assistant Professor*

The Information Systems Department at UMBC invites applications for a tenure-track faculty position at the Assistant Professor level in the area of human-centered computing starting August 2015. Candidates must have earned a PhD in a related field

# Professional Opportunities

no later than August 2015. Outstanding candidates in all areas of human-centered computing research are encouraged to apply. Ideal candidates will be engaged in research that spans several areas with preference given to those who can collaborate with the current faculty. Candidates should have a strong potential for excellence in research, the ability to develop and sustain an externally funded research program, and the capacity to contribute to our graduate and undergraduate teaching mission.

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

Electronic submission of application is required at <http://apply.interfolio.com/25742>. All applications must be submitted as PDF Files, which include a cover letter, CV, a one-page statement of teaching interests, a one-page statement of research interests and names and contact information for at least three references. For inquiries, please contact Barbara Morris at (410) 455-3795 or [bmorris@umbc.edu](mailto:bmorris@umbc.edu). Review of applications will begin immediately and will continue until the position is filled. This position is subject to the availability of funds.



**University of Maryland  
Baltimore County**  
An Honors University in Maryland  
Information Systems Department

## Tenure Track position on Data Science / Big Data

The Information Systems (IS) Department at UMBC invites applications for a tenure-track faculty position at the Assistant Professor level starting August 2015. We are searching for a candidate with research interests and experience in Data Science, a research area with high growth and impact in environmental sciences, health care, security, and many others. The ideal candidate will have expertise in conducting large-scale data science research, such as extracting knowledge from data of increasing sizes, velocity, and variety to improve decision making in one or more application domains closely relevant to active research areas in the IS department. The research areas in the department are: Artificial Intelligence/Knowledge Management, Databases and Data Mining, Human Centered Computing, Software Engineering, and Health Information Technology. Candidates must have earned a PhD in Information Systems or a related field no later than August 2015.

Candidates should be engaged in research that fosters collaboration with at least one of the areas. Preference will be given to those who can collaborate with current faculty. Candidates should have a strong potential for excellence in research, the ability to develop and sustain an externally funded research program, and the ability to contribute to our graduate and undergraduate teaching mission.

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

Electronic submission of application is required at <http://apptrkr.com/527807>. All applications must be submitted as PDF Files, which include a cover letter, CV, a one-page statement of teaching interests, a one-page statement of research interests and names and contact information for at least three references. For inquiries, please contact Barbara Morris at (410) 455-3795 or [bmorris@umbc.edu](mailto:bmorris@umbc.edu). Review of applications will begin immediately and will continue until the position is filled. This position is subject to the availability of funds.

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

# Professional Opportunities

## University of Maryland Baltimore County, UMBC

*Information Systems Department  
Tenure-Track Position*

The Information Systems Department at UMBC invites applications for a tenure-track faculty position at the Assistant Professor level in the area of software engineering starting August 2015. Outstanding candidates in other areas will also be considered.

Candidates must have an earned PhD in Information Systems or a related field no later than August 2015. Individuals engaged in software engineering research with emphasis on empirical research, process and quality improvement, and healthcare IT are especially encouraged to apply. Candidates should have a strong potential for excellence in research, the ability to develop and sustain an externally funded research program, and the ability to contribute to our graduate and undergraduate teaching mission.

The Department offers undergraduate degrees in Information Systems and Business Technology Administration as well as both the MS and PhD in Information Systems. In addition, the Department offers an MS and PhD in Human-Centered Computing. Consistent with the UMBC vision, the Department has excellent technical support and teaching facilities as well as outstanding laboratory space and state of the art technology. UMBC's Technology Center, Research Park, and Center for Entrepreneurship are major indicators of active research and outreach. Further details on our research, academic programs, and faculty can be found at <http://www.is.umbc.edu/>. Under-represented groups including women and minorities are especially encouraged to apply.

Electronic submission of application is required at <http://apply.interfolio.com/26424>. All applications must be submitted as PDF

Files, which include a cover letter, CV, a one-page statement of teaching interests, a one-page statement of research interests and names and contact information for at least three references. For inquiries, please contact Barbara Morris at (410) 455-3795 or [bmorris@umbc.edu](mailto:bmorris@umbc.edu). Review of applications will begin immediately and will continue until the position is filled. This position is subject

to the availability of funds.

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



**University of Maryland  
Baltimore County**

An Honors University in Maryland

## Tenure Track Faculty Position, Assistant Professor - Human-Centered Computing

The Information Systems Department at UMBC invites applications for a tenure-track faculty position at the Assistant Professor level in the area of human-centered computing starting August 2015. Candidates must have earned a PhD in a related field no later than August 2015. Outstanding candidates in all areas of human-centered computing research are encouraged to apply. Ideal candidates will be engaged in research that spans several areas with preference given to those who can collaborate with the current faculty. Candidates should have a strong potential for excellence in research, the ability to develop and sustain an externally funded research program, and the capacity to contribute to our graduate and undergraduate teaching mission.

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

Electronic submission of application is required at <http://apptrkr.com/527815>. All applications must be submitted as PDF Files, which include a cover letter, CV, a one-page statement of teaching interests, a one-page statement of research interests and names and contact information for at least three references. For inquiries, please contact Barbara Morris at (410) 455-3795 or [bmorris@umbc.edu](mailto:bmorris@umbc.edu). Review of applications will begin immediately and will continue until the position is filled. This position is subject to the availability of funds.

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

# Professional Opportunities

## University of Maryland Baltimore County, UMBC

*Information Systems Department*

*Tenure Track position on Data Science /  
Big Data*

The Information Systems (IS) Department  
at UMBC invites applications for a **tenure-  
track** faculty position at the Assistant

Professor level starting August 2015. We  
are searching for a candidate with research  
interests and experience in Data Science,  
a research area with high growth and  
impact in environmental sciences, health  
care, security, and many others. The ideal  
candidate will have expertise in conducting  
large-scale data science research, such  
as extracting knowledge from data of

increasing sizes, velocity, and variety to  
improve decision making in one or more  
application domains closely relevant to  
active research areas in the IS department.  
The research areas in the department  
are: Artificial Intelligence/Knowledge  
Management, Databases and Data Mining,  
Human Centered Computing, Software  
Engineering, and Health Information  
Technology. Candidates must have earned a  
PhD in Information Systems or a related field  
no later than August 2015.

Candidates should be engaged in research  
that fosters collaboration with at least  
one of the areas. Preference will be given  
to those who can collaborate with current  
faculty. Candidates should have a strong  
potential for excellence in research, the  
ability to develop and sustain an externally  
funded research program, and the  
ability to contribute to our graduate and  
undergraduate teaching mission.

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

Electronic submission of application is  
required at <http://apply.interfolio.com/25741>.  
All applications must be submitted as PDF  
Files, which include a cover letter, CV, a



**University of Maryland  
Baltimore County**  
An Honors University in Maryland

## Tenure Track Faculty Position, Assistant Professor - Software Engineering

The Information Systems Department at UMBC invites applications for a tenure-track  
faculty position at the Assistant Professor level in the area of software engineering  
starting August 2015. Outstanding candidates in other areas will also be considered.

Candidates must have an earned PhD in Information Systems or a related field no  
later than August 2015. Individuals engaged in software engineering research with  
emphasis on empirical research, process and quality improvement, and healthcare  
IT are especially encouraged to apply. Candidates should have a strong potential  
for excellence in research, the ability to develop and sustain an externally funded  
research program, and the ability to contribute to our graduate and undergraduate  
teaching mission.

The Department offers undergraduate degrees in Information Systems and Business  
Technology Administration as well as both the MS and PhD in Information Systems.  
In addition, the Department offers an MS and PhD in Human-Centered Computing.  
Consistent with the UMBC vision, the Department has excellent technical support and  
teaching facilities as well as outstanding laboratory space and state of the art technology.  
UMBC's Technology Center, Research Park, and Center for Entrepreneurship are major  
indicators of active research and outreach. Further details on our research, academic  
programs, and faculty can be found at <http://www.is.umbc.edu/>. Under-represented  
groups including women and minorities are especially encouraged to apply.

Electronic submission of application is required at <http://apptrkr.com/527816>. All  
applications must be submitted as PDF Files, which include a cover letter, CV, a one-page  
statement of teaching interests, a one-page statement of research interests and names  
and contact information for at least three references. For inquiries, please contact  
Barbara Morris at (410) 455-3795 or [bmorris@umbc.edu](mailto:bmorris@umbc.edu). Review of applications will  
begin immediately and will continue until the position is filled. This position is subject  
to the availability of funds.

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

# Professional Opportunities

one-page statement of teaching interests, a one-page statement of research interests and names and contact information for at least three references. For inquiries, please contact Barbara Morris at (410) 455-3795 or [bmorris@umbc.edu](mailto:bmorris@umbc.edu). Review of applications will begin immediately and will continue until the position is filled. This position is subject to the availability of funds.

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

## University of Massachusetts Amherst

### *Lecturer Position in the School of Computer Science*

The School of Computer Science at the University of Massachusetts Amherst invites applications for a full-time, nine-month, non-tenure-track faculty position at the rank of Lecturer for the 2015-2016 academic year.

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

Applicants must have a Ph.D. in Computer Science, Computer Engineering or a closely related field, and have a strong interest in, or a proven record of excellence in teaching undergraduate computer science courses, especially undergraduate courses in software engineering and systems.

Successful applicants will find the School of Computer Science to be a stimulating, diverse environment conducive to professional growth in both teaching and research. Lecturers are considered an essential part of the faculty and participate in faculty meetings and school decisions. Amherst, a historic New England town, is the center of a vibrant and culturally rich area

that includes four other colleges. For more information about the school, visit <http://www.cs.umass.edu/>.

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

Interested candidates should apply online at <http://umass.interviewexchange.com/jobofferdetails.jsp?JOBID=53814>.

Please submit a cover letter, a curriculum vitae, description of teaching experience, and the names and contact information for at least three references. Review of applications will begin on December 1, 2014 and may continue until a suitable candidate pool has been identified.

The University of Massachusetts Amherst is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans, and individuals with disabilities and encourages applications from these and other protected group members.

## University of Massachusetts Amherst

### *School of Computer Science Assistant Professor Positions*

The School of Computer Science at the University of Massachusetts Amherst invites applications for tenure-track positions starting in the 2015-2016 academic year. The subareas of interest include 1) Theoretical Computer Science 2) Robotics and Artificial Intelligence, and 3) Systems with an emphasis on security, mobile systems, and software engineering.

We are seeking talented applicants qualified for Assistant Professor positions. Under exceptional circumstances, highly qualified candidates at other ranks may receive consideration. Applicants must have a Ph.D. in Computer Science or a related area and should show evidence of exceptional research promise.

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

Applicants should submit a cover letter, a curriculum vita, research statement, statement of teaching interests, and the names and contact information for at least three references using the submissions link specific to the position.

<http://umass.interviewexchange.com/jobofferdetails.jsp?JOBID=53283> (for theory)

<http://umass.interviewexchange.com/jobofferdetails.jsp?JOBID=53287> (for AI)

<http://umass.interviewexchange.com/jobofferdetails.jsp?JOBID=53286> (for systems)

Review of applications will begin on December 1, 2014 and may continue until a suitable candidate pool has been identified. Rank and salary will be commensurate with qualifications and experience. Inquiries and requests for more information can be sent to: [facrec@cs.umass.edu](mailto:facrec@cs.umass.edu)

The university is committed to active recruitment of a diverse faculty and student body. The University of Massachusetts Amherst is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans, and individuals with disabilities and encourages applications from these and other protected group members. Because broad diversity is essential to an inclusive climate and critical to the University's goals of achieving excellence in all areas, we will holistically assess the

# Professional Opportunities

many qualifications of each applicant and favorably consider an individual's record working with students and colleagues with broadly diverse perspectives, experiences, and backgrounds in educational, research or other work activities. We will also favorably consider experience overcoming or helping others overcome barriers to an academic degree and career.

## University of Massachusetts Boston

*Department of Computer Science  
Lecturer in Computer Science*

The Department of Computer Science (<http://www.cs.umb.edu>) at the University of Massachusetts Boston seeks applications for a lecturer whose primary responsibility will be to teach in and help shape our undergraduate Computer Science major. This is a regular, non-tenure-track faculty position. The initial appointment will be for the Spring 2015 semester, with annual renewals expected.

The lecturer provides instruction at the undergraduate level in a range of computer science topics. Primary responsibilities include teaching three courses each semester, developing new materials for courses, advising students and overseeing processes for the program to maintain accreditation. Knowledge of the Java programming language is highly desirable.

### Minimum Qualifications:

Prior experience in teaching Computer Science at the university level; significant prior experience in the Software or Information Technology industry. The candidate must hold a Master's or higher degree in Computer Science or a related area.

To apply, please submit a cover letter, CV, statement about your teaching and work experience, and the names and email addresses of three references to

<http://umb.interviewexchange.com/jobofferdetails.jsp?JOBID=53245&CNTRNO=3&TSTMP=I412269854007>

Review of applications will continue until the position is filled. UMass Boston is an Affirmative Action, Equal Opportunity Title IX employer.

## University of Memphis

*Computer Science Department  
Assistant Professor*

The Department of Computer Science at the University of Memphis is seeking candidates for multiple tenure-track Assistant Professor positions beginning Fall 2015; pending funding availability. Exceptionally qualified candidates in all areas of computer science are invited while candidates with expertise in machine learning, big data, databases, systems, networks, security and privacy, and software engineering, are particularly encouraged. Successful candidates are expected to develop externally sponsored research programs, teach both undergraduate and graduate courses and provide academic advising to students at all levels.

Applicants should hold a PhD in Computer Science, or related discipline, and be committed to excellence in both research and teaching. Salary is competitive and dependent upon qualifications.

The Department of Computer Science ([www.cs.memphis.edu](http://www.cs.memphis.edu)) offers B. S., M.S., and Ph.D. programs as well as a graduate certificate in Information Assurance and an M.S. program in Bioinformatics (through the College of Arts and Sciences). The Department is ranked 55th in the nation among CS departments with federally funded research.

Application review begins December 1, 2014 and may continue until the positions are filled.

To apply, please visit <https://workforum.memphis.edu/>. Include a cover letter, curriculum vitae, statement of teaching

philosophy, research statement, and three letters of recommendation. Direct inquiries to [chayesl@memphis.edu](mailto:chayesl@memphis.edu).

A background check will be required for employment. The University of Memphis is an Equal Opportunity/Equal Access/Affirmative Action employer committed to achieving a diverse workforce.

## University of Miami

*Tenure-Track Position in Big Data Analytics*

The Management Science Department at the University of Miami's School of Business Administration has a tenure-track faculty position at the junior or advanced Assistant Professor level for the Fall of 2015. Applicants from all areas of Analytics will be considered, although primary consideration will be given to those with expertise in Big Data Analytics, specifically: MapReduce/Hadoop, Mahout, Cassandra, cloud computing, mobile/wearable technologies, social media analytics, recommendation systems, data mining and machine learning, and text mining. A PhD in computer science, operations research, statistics, or a related discipline by the start date of employment is required.

To apply, e-mail the following to [facultyaffairs@bus.miami.edu](mailto:facultyaffairs@bus.miami.edu): curriculum vitae, up to three publications, research and teaching statements, official graduate transcript, and three letters of recommendation.

Deadline: December 1, 2014.

## The University of Michigan

*School of Information*

*Assistant Professor/Tenure Track Positions*

The School of Information at the University of Michigan (UMSI) seeks tenure-track professors at the assistant professor level in the fields of Human-Computer Interaction (HCI), and Information analysis, Information retrieval (IAR), or "big data."

# Professional Opportunities

While we encourage applications from any area of HCI, we are particularly interested in candidates with research and teaching experience in the design, building and testing of interactive systems, such as physical computational artifacts, mobile applications, online environments, or other kinds of devices or software. Such a candidate will be well-versed in modern design practices and tools, new forms of interaction, evaluation, and/or designing for novel application domains.

While we encourage applications from all areas of information analysis and retrieval (IAR), we are particularly interested in candidates with strong interest and expertise in creating novel techniques for mining large-scale text, behaviors, and scientific data and in developing visualizations or other interactive tools for data analysis. Applications of particular interest include, but are not limited to, scientific and health data analysis, text analysis, social media analysis and digital humanities.

For all UMSI positions, we favor candidates whose research interests complement our existing expertise in such areas as computer-supported cooperative work; 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; health informatics; and digital archives and preservation.

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 PhD, a Master of Science in Information, a Master of Health Informatics (joint with the School of Public Health) and as of fall 2014, 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:

- (HCI) Ph.D. in an area such as Information, Computer Science, Engineering, Design, or related fields
- (IAR) Ph.D. in an area such as computer science, information science, statistics, informatics, computational linguistics, or related fields concerned with information analysis and retrieval
- 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

Review of applications will begin on **November 5, 2014** and continue until the positions are filled. In addition to this position, UMSI is also accepting applications for faculty positions in the area of **information analysis and retrieval, communication and technology** and health informatics.

For more information about each position, please visit: <https://www.si.umich.edu/aboutsi/open-faculty-positions>

To apply, please visit: <http://apply.interfolio.com/27183>

## The University Of Michigan, Ann Arbor

*Department Of Electrical Engineering and Computer Science - Computer Science and Engineering Division*

*Faculty Positions*

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

Qualifications include an outstanding academic record, a doctorate or equivalent in computer science or computer engineering, and a strong commitment to teaching and research. Applications must be received by January 1, 2015.

To apply, please complete the form at: <https://www.eecs.umich.edu/eecs/etc/jobs/csejobs.html>

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

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

The University of Michigan is a Non-Discriminatory/Affirmative Action Employer with an Active Dual-Career Assistance Program. The college is especially interested in candidates who can contribute, through

# Professional Opportunities

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

## The University of Minnesota - Twin Cities

*Department of Computer Science and Engineering*

*Faculty Positions in Robotics, Sensors & Advanced Manufacturing*

The Department of Computer Science and Engineering at the University of Minnesota-Twin Cities invites applications for multiple tenure-track faculty positions in support of a University-wide initiative (MnDRIVE) on robotics, sensors, and advanced manufacturing (<http://cse.umn.edu/mndrive>). Specific topics of interest for the positions include manipulation, locomotion, sensing and estimation, distributed decision making, machine learning, computer vision, robot design, algorithmic foundations, and embedded systems. Applicants from other areas will be considered as long as they address how their work fits into the MnDRIVE theme. Senior applicants will also be considered.

We encourage applications from women and under-represented minorities. Candidates should have a Ph.D. in Computer Science or a closely related discipline at the time of appointment.

The positions are open until filled, but for full consideration apply at <http://www.cs.umn.edu/employment/faculty> [[www.cs.umn.edu](http://www.cs.umn.edu)] by December 15, 2014.

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

## University of Nebraska - Lincoln

*Tenure Track Faculty Position at the Rank of Assistant Professor*

The Department of Computer Science and Engineering at the University of Nebraska - Lincoln invites applications for a tenure track faculty position at the rank of Assistant Professor to begin in August, 2015.

We are seeking a faculty member who can establish a strong scholarly research and teaching program in the area of Robotics, complementing the work being performed in the robotics, cyber-physical networking, software engineering, and informatics labs in the department. We are particularly interested in the subareas of controls, perception, coordination, collaboration, and human-robot interaction.

To apply go to <http://employment.unl.edu> and complete the Faculty/Administration application for requisition #F\_140123 and attach 1) a single-page cover letter explaining your interest in UNL, 2) a curriculum vitae, 3) teaching and research statements, 4) 1-2 papers that best represent research contributions and scholarship, and 5) a list of at least three references.

Review of applications will begin on December 1st, 2014, and will continue until the position has been filled. The position is contingent on the availability of funds.

The official advertisement can be viewed at: <http://cse.unl.edu/facultysearch>

The University of Nebraska-Lincoln is committed to a pluralistic campus community through affirmative action, equal opportunity, work-life balance, and dual careers.

## University of Nebraska - Lincoln

*Tenure Track Faculty Position*

The Department of Computer Science and Engineering at the University of Nebraska - Lincoln invites applications for a tenure track faculty position at the rank of Assistant, Associate or Full Professor to begin in August, 2015.

We are seeking a faculty member who can establish a strong scholarly research and teaching program in the area of software security, complementing the Department's strengths in informatics, software engineering, and systems. Areas of interest include data security, system security, trustworthy computing, and usable security and privacy.

To apply, go to: <http://employment.unl.edu> and complete the Faculty/Administrative application for requisition F\_140125.

Attach

- 1) cover letter explaining why you are interested in UNL,
- 2) a curriculum vitae,
- 3) research and teaching statements,
- 4) 1-2 papers that best represent research contributions and scholarship, and
- 5) list of at least three references.

Review of applications will begin on December 1st, 2014, and will continue until the position has been filled. The position is contingent on the availability of funds.

The official advertisement can be viewed at: <http://cse.unl.edu/search>.

The University of Nebraska-Lincoln is committed to a pluralistic campus community through affirmative action, equal opportunity, work-life balance, and dual careers.

# Professional Opportunities

## University of Nebraska-Lincoln

*Tenure-Track Position at the rank of Assistant Professor*

The Department of Computer Science and Engineering in the College of Engineering at the University of Nebraska-Lincoln (UNL) invites applications for a tenure-track position at the rank of Assistant Professor. We are particularly seeking candidates who specialize in Autonomous Systems.

The UNL College of Engineering is undergoing an exciting period of significant growth, related in part to the University joining the Big Ten Conference in 2011. The College anticipates hiring 100 new faculty in the next five years. An allocation of \$2.5 million has been authorized for new faculty hires to start in Fall 2015, and this level of funding is expected to continue for several years. A major focus of the college's teaching, research and outreach enterprise in the coming decade will be on the three major industries of the state of Nebraska: manufacture of food, manufacture of civil infrastructure, and manufacture of equipment, devices and components. Consequently the College is seeking to hire a multidisciplinary group of faculty that have complementary expertise related to these manufacturing foci, including but not limited to: dynamics and controls; robotics and automation; materials science; sensors and sensor development; telecommunications to interface between sensors and computers; big data for real time monitoring and control; computational modeling; and systems and industrial engineering.

Applicants should have a demonstrated potential for outstanding research and a promise of effective teaching at undergraduate through graduate levels including the advising of M.S. and Ph.D. students. Candidates will hold a PhD in Robotics, Computer Science, Computer Engineering, or a closely related discipline. Applicants should have excellent

communication skills and a strong desire to work in a team/collaborative environment.

To be considered for this position, please go to <http://employment.unl.edu> (requisition #F\_140149), complete the Faculty/Academic Administrative Form, and attach required documents. Complete applications will include 1) a single-page cover letter explaining your interest in UNL, 2) a curriculum vitae, 3) teaching and research statements, 4) 1-2 papers that best represent research contributions and scholarship, and 5) a list of at least three references. Additional information about the Department of Computer Science and Engineering can be found at <http://www.cse.unl.edu>. Inquiries regarding this search may be addressed to: Dr. Elbaum, Chair of the Faculty Search Committee, [elbaum@unl.edu](mailto:elbaum@unl.edu), (402) 472-6748.

Review of applications will begin December 1, 2014, and continue until the position is filled. The University of Nebraska is committed to a pluralistic campus community through affirmative action and equal opportunity, work-life balance, and dual careers.

## University of Nebraska at Omaha

*College of Information Science and Technology*

*Faculty Positions in Big Data Sciences*

The College of Information Science and Technology (IS&T) at the University of Nebraska at Omaha invites applications for two tenure-track/tenured positions as a part of the college wide big data recruitment initiative for a series of hires across several departments with opportunities for joint and inter-disciplinary collaborations. Candidates may apply as appropriate for their research interests to one or both of the following positions.

### Computer Science

Applications are sought for a tenure-track position at the rank of Assistant/Associate

Professor. The successful candidate will have completed a doctorate in computer science or related disciplines, have a strong potential to generate external research and development grants, and engage in teaching. Applicants must have a demonstrated record of high quality research in foundational aspects of large scale data analysis and computation. The department is interested in candidates working in algorithms, architectures, or systems in areas including data mining, data visualization, databases, cloud/high performance, and statistical/machine learning. Candidates particularly interested in the large scale data applications pertaining to learning analytics, social networking, and network sciences are highly encouraged to apply at [http://bit.ly/2014CS\\_BD](http://bit.ly/2014CS_BD)

### Information Systems

Applications are sought for a tenure-track position at the rank of Assistant/Associate Professor. The successful candidate will have completed a doctorate in information systems, decision science, or related disciplines and have strong potential to engage in high quality research and teaching and generate external research and development grants in the area of big data analytics. Candidates particularly interested in big data management and decision support, big data quality, and the impact of big data on organizations and societies are highly encouraged to apply at [http://bit.ly/2014ISQA\\_BD](http://bit.ly/2014ISQA_BD).

The College of IS&T has nearly 60 full-time tenure track faculty/staff and an active research grants portfolio of \$10 million with funds from federal agencies (e.g., NSF, NIH, Dept of Ed), state government (e.g., NRI, NSF EPSCoR), a number of local and national corporations and foundations. The College of IS&T offers five undergraduate degrees, four masters degrees, and an innovative college wide PhD degree. The college of IS&T serves over 1,000 total students with more than 300 graduate students and 700 undergraduate students.

# Professional Opportunities

To apply, please visit one of the Web links above or, create your account and apply for the position. Cover letter, curriculum vita and list of references must be attached to the electronic application. If you have any additional questions, please contact:

Dr. Mahadevan Subramaniam  
Dept. of Computer Science  
email: [msubramaniam@unomaha.edu](mailto:msubramaniam@unomaha.edu)  
Phone: (402) 554-4984

Dr. Peter Wolcott  
Dept. of Information Systems and  
Quantitative Analysis  
email: [pwolcott@unomaha.edu](mailto:pwolcott@unomaha.edu)  
Phone: (402) 554-3158

The university and college have a strong commitment to achieving diversity among faculty and staff. We are particularly interested in applicants from underrepresented groups and strongly encourage women and persons of color to apply.

The University of Nebraska at Omaha does not discriminate in its academic, employment or administration policies and abides by all federal, state and regental regulations pertaining to same. Employment eligibility verification is required for all new hires. UNO provides reasonable accommodation for the known disabilities of applicants and employees, unless to do so would pose an undue hardship. If you need accommodation in order to complete the application process or to perform any essential element of the position sought, please contact the A-line Affirmative Action Office in the Office of Academic & Student Affairs. Address: Eppley Administration Building 202, University of Nebraska at Omaha, Omaha NE 68182-0185. Telephone: 402/554-2262, FAX 402/554-4896

## University of Nevada, Reno

*Department of Computer Science and Engineering - <http://www.cse.unr.edu>  
Three Tenure Track Faculty Positions*

The CSE Department invites applications for three tenure-track Assistant Professor faculty positions in CSE. One position is in the area of unmanned autonomous systems (UAS), with emphasis on probabilistic robotics, multi-robot systems, planning, mapping and localization, AI and machine learning. The other two positions are in the area of big data, with emphasis on database systems, data management, data mining, scalable analytics, information visualization, data-intensive computing, machine learning, software systems, cloud computing. For the first big data position, preference will be given to candidates with experience in massive data processing for environmental or renewable energy research, while for the second to candidates with experience in big data for security and privacy. The CSE Department is dynamic and plans to strategically grow in the future. The department has several faculty with NSF Career awards and are leaders in statewide and multi-state multi-million dollar NSF awards. Our research is supported by NSF, DoD, NASA, Google, Microsoft and AT&T. The department's annual research expenditures have exceeded \$2M in past years. We offer BS, MS, and Ph.D. degrees and have strong research and education programs in Intelligent Systems, Networks, Software Systems, and Games.

Applicants must have a Ph.D. in Computer Science or Computer Engineering by July 1, 2015. For the big data positions the Ph.D. degree can also be in Information Systems or Information Science. Candidates must be strongly committed to excellence in research and teaching and should demonstrate potential for developing robust externally funded research programs.

For the UAS position apply online at <https://www.unrsearch.com/postings/16364>.

For the big data positions apply at <https://www.unrsearch.com/postings/16363>.

Review of applications begins December 1, 2014. Full consideration will be given to those who apply by January 10, 2015. Inquiries should be directed to Ms. Lisa Cody, [lacody@unr.edu](mailto:lacody@unr.edu). UNR, Nevada's land-grant University, has over 19,000 students. Reno is a half-hour drive to beautiful Lake Tahoe, an excellent area for a wide range of outdoor activities. San Francisco is within a four-hour's drive. UNR is an Equal Opportunity/Affirmative Action Institution.

## University of New Hampshire, Manchester Campus

*Computing Technology  
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 2015. Qualified candidates are expected to have a Ph.D. in Computer Science (or closely related disciplines). Preference will be given to candidates with experience in the area of architecture, systems, and networking. Qualified candidates in other areas will also be considered. The position requires student focused teaching and advising; developing an ongoing program of research and engaged scholarship; and service to the profession and UNH community. The normal teaching load is three courses per semester. As a NSF ADVANCE Grant recipient UNH strives to enhance the recruitment, retention and advancement of women faculty and other underrepresented groups in the STEM disciplines.

To apply, please visit <https://jobs.usnh.edu>. Applicants should be prepared to upload the

# Professional Opportunities

following required documents when applying online: (1) application letter describing qualifications and experience for this position, (2) curriculum vitae, (3) statement of lessons learned from teaching, (4) plan to engage students in research and industry projects, and (5) a list of three professional references.

The University of New Hampshire is an Equal Opportunity/Equal Access/Affirmative Action institution. The University seeks excellence through diversity among its administrators, faculty, staff, and students. The university prohibits discrimination on the basis of race, color, religion, sex, age, national origin, sexual orientation, gender identity or expression, disability, veteran status, or marital status. Application by members of all underrepresented groups is encouraged.

## University of North Florida

*School of Computing  
Assistant Professor*

Assistant Professor position in School of Computing at University of North Florida.

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

## The University of North Texas

*Department of Computer Science  
and Engineering*

*Faculty Position in Computer Systems*

The Department of Computer Science and Engineering at the University of North Texas (UNT) is seeking candidates with experience and established research for a faculty position at the Assistant Professor level (tenure-track) or the Associate Professor level (tenured or tenure-track) beginning August 15, 2015. The department plans to build on its existing strengths in **Computer Systems**, broadly conceived, such as operating systems, runtime systems, storage

systems, distributed systems and embedded systems. Current faculty strengths in systems area include multicore and many-core architectures, emerging memory technologies, resilient, secure and survivable systems, virtualization, and performance measurement and tuning. An ideal candidate will have demonstrated research capabilities supplementing our strengths and teaching at all levels of instruction. A Ph.D. in Computer Engineering, Computer Science or a closely related field, along with experience in seeking and securing extramural funding for research and high quality publication record are required.

The Computer Science and Engineering department is home to 859 bachelors students, 153 masters students and 92 Ph.D. students. UNT CSE department is the lead academic institution of the NSF Industry/University Cooperative Research Center for Net-centric and Cloud Software and Systems. Additional information about the department and the center are available at the websites: [www.cse.unt.edu](http://www.cse.unt.edu) and [netcentric.cse.unt.edu](http://netcentric.cse.unt.edu), respectively.

### Application Procedure:

All applicants must apply online to: [facultyjobs.unt.edu/applicants/Central?quickFind=52073](http://facultyjobs.unt.edu/applicants/Central?quickFind=52073)

Submit nominations and questions regarding the position to Dr. Krishna Kavi ([kavi@cse.unt.edu](mailto:kavi@cse.unt.edu)).

### Application Deadline:

The committee will begin its review of applications on December 1, 2014 and continue to accept and review applications until the positions are filled.

### The University:

As the nation's 24th largest public university and the largest, most comprehensive in the Dallas-Fort Worth area, UNT is dedicated to providing an excellent educational experience to its 36,000 students while powering the North Texas region, state and nation through innovative education

and research. A student-focused public research university with an emphasis on sustainability, UNT graduated 8,700 students last year from its 12 colleges and schools and offers 98 bachelor's, 82 master's and 36 doctoral degree programs, many nationally and internationally recognized. UNT's ultimate mission is to give a green light to greatness by helping its students, region, state and nation excel. UNT is strategically located in Denton, Texas, a vibrant city with a lively arts and music culture, at the northern end of the Dallas-Fort Worth metroplex. The DFW area has more than six million people, with significant economic growth, numerous industrial establishments, and excellent school districts.

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

## University of Notre Dame

*Assistant or Associate Professor*

The Department of Computer Science and Engineering at the University of Notre Dame invites applications for Assistant or Associate Professor. Excellent candidates in all areas will be considered.

The Department offers the PhD degree and undergraduate Computer Science and Computer Engineering degrees. Faculty are expected to excel in classroom teaching and to build and lead highly-visible research projects that attract substantial external funding.

The University of Notre Dame is a private, Catholic university with a doctoral research extensive Carnegie classification, and consistently ranks in USNWR as a top-twenty national university. The South Bend area has a vibrant and diverse economy with affordable housing and excellent school systems, and is within easy driving distance of Chicago and Lake Michigan.

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Applicants should send (pdf format preferred) a CV, statement of teaching and research interests, and contact information for three professional references to: [cse-search-2015@nd.edu](mailto:cse-search-2015@nd.edu).

The University of Notre Dame is an Equal Opportunity, Affirmative Action Employer.

## University of Oregon

*Department Of Computer and Information Science  
Faculty Position*

The Department of Computer and Information Science (CIS) seeks applications for two tenure track faculty positions at the rank of Assistant Professor, beginning Fall 2015. The University of Oregon is an AAU research university located in Eugene, two hours south of Portland, and within one hour drive of both the Pacific Ocean and the snow-capped Cascade Mountains.

The open faculty positions are targeted towards the following three areas: 1) theoretical computer science, 2) distributed systems, and 3) data sciences. We are particularly interested in applicants whose research areas complement existing strengths in the department and support interdisciplinary research efforts. Applicants must have a Ph.D. in computer science or closely related field, a demonstrated record of excellence in research, and a strong commitment to teaching. A successful candidate will be expected to conduct a

## Hajim

*Faculty Positions in Computer Science: Experimental Systems*



The University of Rochester Department of Computer Science seeks applicants for a tenure track position in the broad areas of experimental systems research (including but not limited to architecture, data-driven systems, mobile and embedded systems, networks, operating systems, parallel and distributed systems, and security). However, candidates in all areas of computer science who see a good synergistic fit with research initiatives at the university are encouraged to apply, especially candidates from groups underrepresented in higher education. 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, 2015 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 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. We also have a nascent Institute for Data Science with potential for synergistic collaboration opportunities and more joint hires. Over the past decade, a third of the department's PhD graduates have won tenure-track faculty positions, and its alumni include leaders at major research laboratories such as Google, Microsoft, and IBM.

The University of Rochester is a private, Tier I research institution located in western New York State. It consistently ranks among the top 30 institutions, both public and private, in federal funding for research and development. The university has made substantial investments in computing 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.

# Professional Opportunities

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/>. To ensure consideration, please submit application materials by January 15, 2015. The position will remain open until filled. Please address any questions to [faculty.search@cs.uoregon.edu](mailto:faculty.search@cs.uoregon.edu).

The University of Oregon is an equal opportunity/affirmative action institution committed to cultural diversity and is compliant with the ADA. The University encourages all qualified individuals to apply, and does not discriminate on the basis of any protected status, including veteran and disability status.

## University of Pennsylvania

*IT Lab Instructional Manager - Reference Number 13-18463*

The laboratory manager will be primarily responsible for the instructional support and coordination of introductory computer science courses. One half of the job consists of developing educational lab materials and programming assignments, instructing undergraduates in the lab, managing TAs, and overseeing student use of lab and equipment. The other half of the job is development and maintenance

of course infrastructure software and training faculty and TAs in the use of this software. A detailed description of the key responsibilities of the job is given below:

- Design, implement, and maintain course management software, educational tools, and web sites in collaboration with the course instructors.
- Train faculty and TAs on the use of the software and evolve it in response to feedback from them.
- Work with faculty and SEAS technical staff to create and support multidisciplinary needs of SEAS labs. Advise course instructors on industrial and academic tools and processes to improve course outcomes. Train new faculty and TAs on laboratory teaching methods, and provide technical expertise.
- Collaborate with the faculty members who are the principal course instructors on the preparation of educational materials and assignments.
- Plan, design, and implement lab materials and programming assignments for courses that reflect the department's long-term goals and each course's pedagogical goal.
- Hire, train and supervise a team of teaching assistants, lab personnel and lab assistants, and lead regular teaching assistant meetings.
- Lead weekly sections and teach undergraduate students in the lab.

### Qualifications

Bachelor's Degree in computer science or closely allied field preferred. 2 - 3 years of relevant experience or postgraduate studies required, or equivalent combination of education and experience. Demonstrated programming and software development skills are required. Demonstrated experience teaching a diverse student population and experimenting with a variety of teaching techniques required. Excellent interpersonal skills, organizational skills and outstanding attention to detail are required. Ability to

work both independently and part of a team is essential.

To apply for this position <https://jobs.hr.upenn.edu/postings/6351>

## University of San Diego

*Department of Mathematics and Computer Science*

*Assistant Professor of Computer Science*

The University of San Diego seeks applicants for a tenure-track faculty position in computer science. Housed in a liberal arts setting, our department offers a B.A. in computer science. Candidates should have a commitment to teaching excellence and to maintaining an active research program. Our department is student-centered, and so we seek applicants willing to foster close student-faculty interactions, both inside and outside of the classroom, and promote undergraduate research. A Ph.D. in computer science or related field is required at the time of appointment, September 1, 2015. All areas of computer science will be considered. For more information about our department, please visit [www.sandiego.edu/cas/math-cs](http://www.sandiego.edu/cas/math-cs).

To apply, send the following items to [cssearch@sandiego.edu](mailto:cssearch@sandiego.edu): CV, three letters of recommendation (at least one of which addresses your teaching), a teaching statement, and a research statement. Also, please register as an applicant for job number IRC14230 at [www.sandiego.edu/jobs](http://www.sandiego.edu/jobs).

The University of San Diego, an independent Roman Catholic University, is an AA/EOE employer and is committed to seeking and sustaining a culturally and ethnically diverse campus environment. Priority will be given to applications completed by January 1, 2015.

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## University of San Francisco

### *Assistant Professor Position*

The Department of Computer Science at the University of San Francisco is accepting applications for a tenure-track Assistant Professor position starting in August 2015.

See <http://www.cs.usfca.edu/tenure-track-position.html> for application instructions.

To receive full consideration applications must be received by December 1, 2014.

## University of South Carolina

### *Department of Computer Science and Engineering*

#### *Positions Open: Two (2) Assistant Professors*

The University of South Carolina invites applications for two (2) tenure-track faculty positions at the rank of assistant professor in the Department of Computer Science and Engineering. The Department will consider exceptional candidates in any computing research areas, but is particularly interested in candidates whose primary research expertise is in:

1. Computer architecture, embedded systems, high-performance computing, heterogeneous computing, or VLSI Design
2. Software engineering

Requirements include a PhD in a relevant field, a record of exceptional accomplishments, and strong potential for research and teaching. Persons joining the program will have significant opportunities and access to world-class university and state-wide laboratories and staff. The Department of Computer Science and Engineering offers bachelor's, master's, and doctoral degrees. The Department has 22 full-time faculty members (10 of whom are NSF CAREER award recipients), an undergraduate enrollment of 591 students, a graduate enrollment of 108 students, and over \$2 million in annual research expenditures. The University of South

Carolina is located in Columbia, the capital and technology center of South Carolina, and is the flagship university in the state with an enrollment of more than 31,000 students.

Applications must include the following: (1) cover letter, (2) curriculum vitae, (3) research and teaching plans, and (4) contact information for at least three references. Applications should be submitted electronically to [CSSearch@cse.sc.edu](mailto:CSSearch@cse.sc.edu). The search committee will begin reviewing applications immediately and continue until the positions are filled.

Inquiries about the positions may be made to Dr. Matt E. Thatcher, Professor and Associate Chair of the Department of Computer Science and Engineering, at (803) 777-2895 or [thatchel@mailbox.sc.edu](mailto:thatchel@mailbox.sc.edu).

The University of South Carolina is an affirmative action/equal opportunity institution.

Women and minorities are encouraged to apply.

## University of South Florida

### *Computer Science and Engineering Faculty Positions*

Applications are invited for two positions at the Assistant or Associate level in the Department of Computer Science and Engineering starting Fall 2015. Exceptional Senior candidates will be considered. Preference will be given to candidates with research areas that complement current Departmental research. Candidates should have an established record of independent research with outstanding-quality research publications and with potential for excellence in teaching. The University prefers candidates who have an already established record of federal funding. Salary will be commensurate with qualifications and experience. Candidates must have completed, or be near completion of, a Ph.D. in computer science, computer engineering, or a related discipline.

The Department of Computer Science and Engineering (<http://www.cse.usf.edu>) has 29 faculty members including Instructors and offers B.S., M.S., and Ph.D. degrees. Department faculty members have research funding from NSF, NIH, DARPA, Google, and other sources. The University of South Florida is one of the nation's top public research universities.

For further information and for application instructions, please see our faculty search website: <http://www.cse.usf.edu/faculty-search/>. For questions please send email to [faculty-search@cse.usf.edu](mailto:faculty-search@cse.usf.edu). Applications will be considered starting immediately until the positions are filled.

The University of South Florida is an Equal Opportunity/Equal Access/Affirmative Action Institution. Women and minorities are strongly encouraged to apply. Dual career couples with questions about opportunities are encouraged to contact the Department chair.

## University of South Florida

### *Computer Science and Engineering Instructor Position*

Applications are invited for one Instructor position in the Department of Computer Science and Engineering. We are seeking an instructor who can teach a broad range of Computer Science and Computer Engineering core and elective courses at the undergraduate level. This is a 9-month appointment. Opportunities may exist to teach in the summer, if so desired. The Instructor position offers a University defined promotion path. Salary will be commensurate with qualifications and experience. Candidates must have completed, or be near completion of, a Ph.D. degree in computer science, computer engineering, or a related discipline. Successful candidates are expected to start Fall 2015.

# Professional Opportunities

The Department of Computer Science and Engineering (<http://www.cse.usf.edu>) has 29 faculty members including Instructors and offers B.S., M.S., and Ph.D. degrees. The undergraduate program graduates approximately 175 students per year and this is expected to grow. The University of South Florida is one of the nation's top public research universities.

For further information and for application instructions, please see our faculty search website: <http://www.cse.usf.edu/faculty-search/>. For questions please send email to [faculty-search@cse.usf.edu](mailto:faculty-search@cse.usf.edu). Applications will be considered starting immediately until the positions are filled.

The University of South Florida is an Equal Opportunity/Equal Access/Affirmative Action Institution. Women and minorities are strongly encouraged to apply. Dual career couples with questions about opportunities are encouraged to contact the Department chair.

## University of St. Thomas

### Tenure-Track Position

The Department of Computer and Information Sciences (<http://www.stthomas.edu/cisc/>) at the University of St. Thomas invites applications for a tenure-track position in Computer Science to begin September 2015 at the rank of Assistant Professor. The teaching load of 6 courses per academic year includes lower-division courses for non-majors and lower- and upper-division courses for majors.

### Job Requirements

Applications should be submitted **online** (<https://facultyemployment-stthomas.icims.com/jobs/1405/assistant-professor-computer-and-information-sciences/job>) and include (1) a cover letter, (2) a curriculum vitae, (3) evidence of teaching effectiveness, including data from student evaluations if available, (4) teaching

philosophy, and (5) a description of research agenda. In addition, candidates should arrange to have three letters of recommendation sent directly by email (pdf preferred) to the department chair, Dr. Mark Werness ([mewerness@stthomas.edu](mailto:mewerness@stthomas.edu)).

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

Applicants should have outstanding teaching skills, an active research agenda, and a willingness to contribute to the work of

the department and the university. A PhD in computer science or closely related area is preferred, but ABDs (with appointment at the rank of instructor until proof of PhD is supplied) will be considered.

Established in 1885, the University of St. Thomas is located in the major metropolitan area of Minneapolis-St. Paul, and is Minnesota's largest private university. Its 10,000 students pursue degrees in a wide range of liberal arts, professional, and graduate programs.

## 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, starting Fall 2015. Interested candidates may apply to one or more positions indicated below.

- **Endowed tenure-track faculty positions in Cloud Computing** focused on high performance computing (HPC) in cloud, big data and data science, cloud architecture, virtualization, risk assessment, cloud security and/or system management. There are multiple positions at the assistant or associate professor level. Each of these positions includes a mini-endowment established as part of the university-wide cloud computing initiative.
- **A tenure-track faculty position in Computer Science** focused on system areas, including HPC, architecture and system software. This is a tenure-track assistant or associate professor position.
- **A tenured, senior faculty position in Cyber Security** focused on systems security, including cloud security, mobile security, malware defense, and/or networking security. This is a tenured associate or full professor position. Excellent candidates in all areas of cyber security will be considered.

See <http://www.cs.utsa.edu/fsearch> for information on the Department and application instructions. Screening of applications will begin immediately. Full consideration will be given to applications received by January 5, 2015, and the search will continue until the positions are filled or the search is closed. The University of Texas at San Antonio is an Affirmative Action/Equal Opportunity Employer.

### Department of Computer Science

**RE: Faculty Search**

**The University of Texas at San Antonio**

**One UTSA Circle**

**San Antonio, TX 78249-0667**

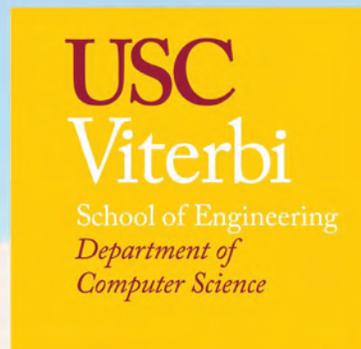
**Phone: 210-458-4436**



# Professional Opportunities

## USC Viterbi School of Engineering - Computer Science

The Computer Science Department of the USC Viterbi School of Engineering seeks to hire tenure-track assistant professors. We are interested in exceptional candidates in all areas of computer science. We are especially interested in two areas. The first is **security**. This includes, but is 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. The second is **Big Data, Artificial Intelligence and Machine Learning**. This includes, but is not limited to, algorithms, foundations and applications, graphics, natural language processing, robotics and vision.



Applicants should submit their applications online at: <http://jobs.usc.edu>, and the below direct links:

<http://goo.gl/d5ceAQ>



**Security**

<http://goo.gl/E8oPkN>



**Big Data, Artificial Intelligence  
and Machine Learning**

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, 2014**, 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 [cchair@usc.edu](mailto:cchair@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 tier engineering schools in the world. It counts 174 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, 39 research faculty, and 11 teaching faculty, the USC Department of Computer Science is one of the nation's leading centers of research and education in the field.

*USC is an equal-opportunity educator and employer, proudly pluralistic and firmly committed to providing equal opportunity for outstanding persons of every race, gender, creed and background. The University particularly encourages women, members of underrepresented groups, veterans and individuals with disabilities to apply. USC will make reasonable accommodations for qualified individuals with known disabilities unless doing so would result in an undue hardship. Further information is available by contacting [uschr@usc.edu](mailto:uschr@usc.edu).*

# Professional Opportunities

Inspired by Catholic intellectual tradition, the University of St. Thomas educates students to be morally responsible leaders who think critically, act wisely, and work skillfully to advance the common good, and seeks to develop individuals who combine career competency with cultural awareness and intellectual curiosity. The successful candidate will possess a commitment to the ideals of this mission.

The University of St. Thomas has a strong commitment to the principles of diversity and inclusion, to equal opportunity policies and practices, and to the principles and goals of affirmative action. In that spirit, the University welcomes nominations and applications from a broad and diverse applicant pool.

Apply Here: <http://www.Click2Apply.net/w27wscs>

## University of Texas at Austin

*Department of Computer Science  
Assistant/Associate/Full Professor Positions*

The Department of Computer Science of the University of Texas at Austin invites applications for tenure-track positions at all levels. Outstanding candidates in all areas of Computer Science will be considered, particularly in experimental systems. All tenured and tenure-track positions require a Ph.D. or equivalent degree in computer science or a related area at the time of employment.

Successful candidates are expected to pursue an active research program, to teach both graduate and undergraduate courses, and to supervise graduate students. The department is ranked among the top ten computer science departments in the country.

It has 41 tenured and tenure-track faculty members across all areas of computer science. Many of these faculty participate in interdisciplinary programs and centers in the University, including the Texas Advanced Computing Center (TACC), and those in

Computational and Applied Mathematics, Computational Biology, and Neuroscience.

Austin, the capital of Texas, is a center for high-technology industry, including companies such as IBM, Dell, Freescale Semiconductor, Advanced Micro Devices, National Instruments, AT&T, Intel and Samsung. For more information please see the department web page <http://www.cs.utexas.edu/>

The department prefers to receive applications online, beginning September 2, 2014. To submit yours, please visit <http://www.cs.utexas.edu/faculty/recruiting>

Applicants for an assistant professor position must have at least three (3) referees send letters of reference directly to the address provided. Applicants for a tenured position (associate or full professor) must have at least six (6) referees send letters of reference directly.

Inquiries about your application may be directed to [faculty-search@cs.utexas.edu](mailto:faculty-search@cs.utexas.edu). For full consideration of your application, please apply by January 31, 2015. Complete applications (including all reference letters) will begin being reviewed on December 15, 2014.

Women and minority candidates are especially encouraged to apply. The University of Texas is an Equal Opportunity Employer.

## University of Texas, San Antonio

*Assistant Professor of Research in  
Cloud Computing*

The Department of Electrical and Computer Engineering at The University of Texas, San Antonio (UTSA) seeks to fill one open faculty position at the rank of Assistant Professor of Research in Cloud Computing, beginning August 2015. 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 and cyber security.

Please read the entire advertisement on the Department website at <http://ece.utsa.edu/about/faculty-openings.html>. The search committee will begin review of applications immediately and will continue until the position is filled.

The University of Texas at San Antonio is an Affirmative Action/Equal Opportunity Employer.

## University of Texas at San Antonio

*Endowed Assistant/Associate Professor in  
Cloud Computing*

The Department of Electrical and Computer Engineering at The University of Texas at San Antonio invites applications for a tenure track **endowed assistant professor position** or an **associate professor position (without tenure)** in Open Cloud Computing beginning August 2015. 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 analysis, dependability, scalability and cloud computing applications.

Please read the entire advertisement on the Department website at <http://ece.utsa.edu/about/faculty-openings.html>. The search committee will begin review of applications immediately and will continue until the position is filled.

The University of Texas at San Antonio is an Affirmative Action/Equal Opportunity Employer.

# Professional Opportunities

## University of Toronto

### *Three Tenure-Stream Positions in Computer Science*

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

- Department of Mathematical and Computational Sciences, University of Toronto Mississauga: areas of interest include:
  - Operating Systems, Networks, Distributed Systems, Database Systems, Computer Architecture, Programming Languages, and Software Engineering.
  - Theoretical Computer Science.
- 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 computer graphics in the broadest possible sense.

For all positions, we are especially interested in exceptional candidates who transcend traditional computer science disciplines and complement our existing strengths.

The University of Toronto is an international leader in computer science research and education. Evidence of excellence in teaching and research is required. Candidates should have a Ph.D. in computer science or a related field by the date of appointment or shortly thereafter. Successful candidates are expected to conduct exceptionally innovative research at the highest international level; to establish an outstanding, externally funded research program; to have a strong commitment to undergraduate and graduate teaching; to contribute to the enrichment of

undergraduate programs in their department; and to participate actively in the Graduate Department of Computer Science.

All appointments will begin on July 1, 2015. Salaries and startup packages 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/4896> and include a curriculum vitae, a list of publications, research and teaching statements. Applicants should also arrange to have at least three letters of reference uploaded through AcademicJobsOnline directly by the writers.

To receive full consideration, applications should be received by December 15, 2014.

For more information about Computer Science on the three campuses of the University of Toronto, see our websites ([www.cs.toronto.edu](http://www.cs.toronto.edu); [www.utm.utoronto.ca/math-cs-stats](http://www.utm.utoronto.ca/math-cs-stats); [www.utsc.utoronto.ca/cms](http://www.utsc.utoronto.ca/cms)), or contact Sara Burns at [recruit@cs.toronto.edu](mailto:recruit@cs.toronto.edu).

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to the further diversification of ideas. 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 Toronto

### *Two Full-Time Teaching Stream Appointments*

The Department of Computer Science, University of Toronto seeks enthusiastic and innovative applicants for two full-time teaching stream appointments in the field of Computer Science. The appointments will be at the rank of Lecturer and will begin on July 1, 2015.

We seek candidates who have a record of excellent teaching, possess the intellectual curiosity to pursue novel and innovative pedagogical methods, and are interested in establishing a long-term career as a faculty member in the Department.

Candidates in all areas of computer science are encouraged to apply, particularly those with experience in software engineering. Candidates must have a graduate degree in computer science or a related field by the time of the appointment, experience in teaching at the university level, demonstrated use of innovative pedagogical methods, and teaching-related scholarly activities. Experience working with or supervising large-scale software projects as well as familiarity with modern software development tools and practices are an asset. Responsibilities include undergraduate teaching, managing teaching assistants, developing course materials, and curriculum development.

Appointments at the rank of Lecturer may be renewed annually to a maximum of five 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 AcademicJobsOnline, <https://academicjobsonline.org/ajo/jobs/4904>, and include curriculum vitae, teaching dossier

# Professional Opportunities

(including statement of teaching philosophy, course outlines, course evaluations, selected course materials), and the names and email addresses of three to five referees. Applicants should also arrange to have at least three letters of reference uploaded through AcademicJobsOnline directly by the writers. Applications will not be considered complete until the letters have been received.

Review of applications will begin on December 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 candidates 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 <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 in Mathematics and Computer Science*

The University of Toronto invites applications for a tenure-stream appointment in Mathematics and Computer Science. The position is 75% in the Department of Mathematics and 25% in the Department of Computer Science. The appointment is at the rank of Assistant Professor and will begin on July 1, 2015. Areas of interest include

applied computational geometry, discrete differential geometry, analysis/visualization of multidimensional data, security/privacy, and complexity.

The University of Toronto is an international leader in Mathematics and Computer Science research and education. The successful candidates are expected to pursue innovative research at the highest international level; to establish a strong, externally funded independent research program; to have a strong commitment to undergraduate and graduate teaching and supervision; and to participate actively in the Graduate Departments of Mathematics and Computer Science at the University of Toronto. We are especially interested in exceptional candidates who would complement our existing strengths.

Applicants should have a Ph.D. in Mathematics or Computer Science or a related field by the date of appointment or shortly thereafter; should show evidence of excellence in teaching; and must demonstrate excellence in research.

Salary will be commensurate with qualifications and experience.

All qualified candidates are invited to apply by clicking on the link <https://www.mathjobs.org/jobs/jobs/6272>. Candidates should include C.V. with a list of publications, a research statement, a teaching statement, and the AMS Standard Cover Sheet. Candidates should arrange to have at least four (4) letters of reference, including at least one primarily addressing the candidate's teaching. Candidates should ask referees to upload the letters directly through MathJobs or send them directly to the Department of Mathematics addressed to the Chair.

To receive full consideration, applications should be received by December 15, 2014.

For more information about the Department of Mathematics or the Department of Computer Science, please visit our websites

at: <http://www.math.utoronto.ca> and <http://web.cs.toronto.edu/>.

The University offers the opportunity to teach, conduct research, and live in one of the most diverse metropolitan areas in the world. 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 Utah

### *Four Tenure-Track Faculty Positions*

The School of Computing at the University of Utah seeks applications for four tenure-track faculty at the rank of Assistant Professor, beginning Fall 2015. Exceptional candidates at higher ranks will also be considered. Applications in all areas of computer science are encouraged, but the School is particularly interested in the following areas of expertise:

- **Foundations of data science:** Theoretical computer science, particularly with an emphasis on models and analysis for large data problems. Also, computational statistics or statistical underpinnings of the analysis of large data.
- **Robotics:** All areas of robotics including, but not limited to, motion planning, autonomous robots, robot learning, and robot vision.
- **Computer architecture:** All areas of architecture, especially domain-specific architecture, energy-aware computing, heterogeneous systems, and embedded systems.
- **Human-computer interaction:** All areas of HCI, especially research with

# Professional Opportunities

broad impact, including learning at scale, human computation, gamification, and design for novel interfaces.

The University of Utah is a Carnegie Research I Institution, and the School of Computing is an exciting, growing school with a 50-year history of excellence in computer science education, innovation, and research. The University of Utah is located in Salt Lake City, the hub of a large metropolitan area with excellent cultural and recreational opportunities. Additional information about the school and our current faculty can be found at <http://www.cs.utah.edu>.

Candidates may apply through the following URL: <http://utah.peopleadmin.com/postings/36205>

**Review of applications will begin after November 15 and will continue until the positions are filled.**

The University of Utah is an Equal Opportunity/Affirmative Action employer and educator. Minorities, women, veterans, and persons with disabilities are strongly encouraged to apply. Veterans' preference is extended to qualified veterans. Reasonable disability accommodations will be provided with reasonable notice. For additional information about the University's commitment to equal opportunity and access see: <http://www.utah.edu/nondiscrimination/>.

The University of Utah values candidates who have experience working in settings with students from diverse backgrounds, and possess a strong commitment to improving access to higher education for historically underrepresented students.

## The University of Vermont

*College of Engineering and  
Mathematical Sciences*

*Faculty Position in Complex Systems*

The College of Engineering and Mathematical Sciences invites applications for a tenure-

track faculty position in Complex Systems, with a focus on research problems in the behavioral and social sciences. The position is in support of our NSF-funded IGERT program on Smart Grid & Human Behavior. Requirements include an earned doctorate in computer science, mathematics, or a related discipline, a proven record of scholarly activities, and the qualifications to teach both undergraduate and graduate courses in their home department.

The full job description and online application can be found at: <http://www.cems.uvm.edu/facsearch/csyz.php>

The first review of applications will occur on December 15, 2014.

UVM is an EO/EA/AA employer and conducts background checks on all final candidates.



UNIVERSITY of WASHINGTON | BOTHELL  
SCHOOL OF SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS

## Assistant Professor Computer Engineering

The Computing and Software Systems Division of the School of Science, Technology, Engineering and Mathematics at the University of Washington Bothell is seeking candidates for a tenure track Assistant Professor position on a full-time, nine-month academic year basis beginning autumn 2015. We are particularly interested in candidates with research and teaching interests in computer engineering or related areas that combine hardware and software, such as ubiquitous computing, robotics, embedded systems, mobile computing, etc. Successful candidates are expected to develop externally sponsored research programs, supervise graduate students, and teach and provide academic advising to students at all levels.

The Bothell campus of the University of Washington was founded as an innovative, interdisciplinary campus within the University of Washington system — one of the premier institutions of higher education in the US. Faculty have full access to the resources of a major research university, with the culture and close relationships with students of a small college. Situated in the midst of the Pacific Northwest's technology corridor — one of the largest and most dynamic software and technology industry concentrations in the world — we offer unmatched opportunities for collaborative work with industry.

Required qualifications include an earned doctorate in computer science or another relevant field, a body of work that warrants appointment at the rank of Assistant Professor, a commitment to excellence in undergraduate and graduate education, and a commitment to enhancing learning for diverse student populations.

**To apply:** Only complete applications will be considered. Please submit a single electronic file to [CSS-search@uwb.edu](mailto:CSS-search@uwb.edu) with the subject line "AA8202 – Assistant Professor CE" containing: (1) a cover letter, (2) a curriculum vitae, (3) a list of a minimum of three professional references including contact information, (4) a research plan, (5) a statement of teaching philosophy, and (6) evidence of teaching effectiveness. Review of applications will begin on November 1, 2014; the position will remain open until filled.

For additional information, please see <http://ap.washington.edu/ahr/academic-jobs/position/aa8202>

The University of Washington, Bothell is an affirmative action, equal opportunity employer.

# Professional Opportunities

## University of Vermont

*College of Engineering and  
Mathematical Sciences*

*Lecturer Position*

We invite applications for a full-time lecturer in Computer Science, for a Fall 2015 start date. Qualifications include an MS or PhD in computer science or related field.

More information at <http://www.cems.uvm.edu/facsearch/cslec.php>. Review of applications will begin Dec. 15, 2014, until the position is filled.

UVM is an EO/EA/AA employer and conducts background checks on all final candidates.

## University of Wyoming

*IT Research Support Director*

The University of Wyoming seeks an experienced, innovative leader to serve as its Director for Research Computing Support and head of the university's Advanced Research Computing Center (ARCC).

Please visit the following website for application information: <http://www.uwyo.edu/hr/hremployment/showjob.asp?jobid=11544>

## Vanderbilt University

*Electrical Engineering and Computer  
Science*

*Tenured/Tenure-Track Faculty Positions in  
Computer Science*

The Department of Electrical Engineering and Computer Science at Vanderbilt University is seeking candidates for a tenured/tenure-track faculty position in Computer Science. Appointments at all ranks will be considered, with preference for candidates at the assistant professor level. Areas of primary emphasis are Big Data, Data Visualization, and/or Cyber-physical Systems. The Vanderbilt CS program provides a unique, collaborative, and interdisciplinary research environment that

spans a wide range of topics. New trans-institutional programs create opportunities for research on issues of broad significance across multiple disciplines. Successful candidates are expected to teach at the undergraduate and graduate levels and to develop and grow vigorous programs of externally funded research, and are expected to enhance the School of Engineering's strategic directions in health

care and medicine, security, energy and natural resources, and entertainment.

Vanderbilt University is an equal-opportunity, affirmative-action employer. We strongly encourage applications from women and members of under-represented minority groups.

Applications should be submitted on-line at: <https://academicjobsonline.org/ajojobs/4547>



**W UNIVERSITY of WASHINGTON | BOTHELL**  
SCHOOL OF SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS

### Associate or full Professor Cybersecurity

**T**he Computing and Software Systems Division of the School of Science, Technology, Engineering and Mathematics at the University of Washington Bothell is seeking candidates for a tenured Associate or full Professor position on a full-time, nine-month academic year basis beginning autumn 2015. The position requires teaching interest in the general area of cybersecurity with demonstrated research ability in a relevant subfield. Successful candidates are expected to provide cybersecurity curriculum leadership within the institution, engage with security professionals in area industry and government, develop externally sponsored research programs, supervise graduate students, and teach and provide academic advising to students at all levels.

The Bothell campus of the University of Washington was founded as an innovative, interdisciplinary campus within the University of Washington system — one of the premier institutions of higher education in the US. Faculty have full access to the resources of a major research university, with the culture and close relationships with students of a small college. Situated in the midst of the Pacific Northwest's technology corridor — one of the largest and most dynamic software and technology industry concentrations in the world — we offer unmatched opportunities for collaborative work with industry.

Required qualifications include an earned doctorate in computer science or another relevant field, a body of work that warrants appointment at the rank of Associate or full Professor, a commitment to excellence in undergraduate and graduate education, and a commitment to enhancing learning for diverse student populations.

**To apply:** Only complete applications will be considered. Please submit a single electronic file to [CSS-search@uwb.edu](mailto:CSS-search@uwb.edu) with the subject line "AA8201 — Associate or Full Professor Cybersecurity" containing: (1) a cover letter, (2) a curriculum vitae, (3) a list of a minimum of three professional references including contact information, (4) a research plan, (5) a statement of teaching philosophy, and (6) evidence of teaching effectiveness. Review of applications will begin on November 1, 2014; the position will remain open until filled.

For additional information, please see  
<http://ap.washington.edu/ahr/academic-jobs/position/aa8201/>

The University of Washington, Bothell is an affirmative action, equal opportunity employer.

# Professional Opportunities

For more information, please visit our web site: <http://engineering.vanderbilt.edu/eecs/>. Applications will be reviewed on a rolling basis, with an initial deadline of December 15, 2014, but will be accepted until the position is filled.

## Vassar College

### Tenure-Track Position

The Department of Computer Science at Vassar College invites applications for a tenure-track position in the area of Computer Systems at the rank of Assistant Professor starting in the 2015-16 academic year. Vassar College is an affirmative action, equal opportunity employer, and applications from members of historically underrepresented groups are especially encouraged. 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.

A commitment to excellence in undergraduate teaching and research is expected. The Ph.D. in Computer Science is required.

For this position, Computer Systems is broadly construed to include not only traditional/foundational areas such as computer organization & architecture, operating systems, compilers and software engineering, but also emerging areas such as cloud computing, mobile computing, data-intensive computing, embedded systems, security and robotics. The ideal candidate will have expertise in at least one of these or related areas. Special consideration will be given to candidates with experience in inter-disciplinary teaching and research. Teaching responsibilities include a combination of systems-related courses and introductory courses. The position also includes responsibility for updating existing systems-related courses and developing new courses.

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 and the department has just moved into its new, state-of-the-art quarters as part of Vassar's Integrated Science Facility. The

department maintains Linux laboratories for introductory and advanced instruction. Faculty members are provided with workstations and laptops.

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



## Lecturer or Senior Lecturer Computer Science/Software Engineering

The Computing and Software Systems Division of the School of Science, Technology, Engineering and Mathematics at the University of Washington Bothell invites applications for a Lecturer or Senior Lecturer position on a full-time, nine month, 1–3 year renewable appointment beginning in autumn 2015. We are interested in candidates who can contribute to the core of our curriculum, including introductory programming, data structures, algorithms, software engineering, technical communications, web development, project management, design, databases, operating systems, architecture, embedded systems, and networking, as well as work with faculty and students in other STEM divisions. An interest and expertise in on-line teaching and/or demonstrated ability to teach large lecture classes would be pluses.

The Bothell campus of the University of Washington was founded as an innovative, interdisciplinary campus within the University of Washington system — one of the premier institutions of higher education in the US. Faculty have full access to the resources of a major research university, with the culture and close relationships with students of a small college. Situated in the midst of the Pacific Northwest's technology corridor — one of the largest and most dynamic software and technology industry concentrations in the world — we offer unmatched opportunities for collaborative work with industry.

Required qualifications include a master's degree or earned doctorate in computer science or another relevant field, a body of work that warrants appointment at the rank of Lecturer or Senior Lecturer, a commitment to excellence in undergraduate and graduate education, and a commitment to enhancing learning for diverse student populations.

**To apply:** Only complete applications will be considered. Please submit a single electronic file to [CSS-search@uwb.edu](mailto:CSS-search@uwb.edu) with the subject line "AA8203 – Lecturer Sr Lecturer CS and SE" containing: (1) a cover letter, (2) a curriculum vitae, (3) a list of a minimum of three professional references including contact information, (4) a statement of teaching philosophy, (5) a sample syllabus, and (6) evidence of teaching effectiveness. Review of applications will begin on November 1, 2014; the position will remain open until filled.

For additional information, please see

<http://ap.washington.edu/ahr/academic-jobs/position/aa8203>

The University of Washington, Bothell is an affirmative action, equal opportunity employer.

# Professional Opportunities

## University of Wisconsin-Madison Computer Sciences

*Department Faculty Positions: Assistant and Associate 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 this endeavor we invite applications from highly qualified candidates in all areas of computer science at the assistant and associate professor levels beginning August 2015.



We seek applicants across the spectrum from technology-driven to problem-driven research. Madison, capital of the state of Wisconsin and home to the University of Wisconsin-Madison, consistently ranks as one of the greenest, most bike friendly, and most family friendly cities in the nation. With the headquarters of medical software company Epic, Microsoft's Jim Gray Systems Lab, Google, and several other technology giants in the area, Madison is also among the fastest growing technology hubs in the country. The Computer Sciences Department is among the oldest and top ranked CS departments in the world, renowned for its groundbreaking research in computer architecture, database systems, distributed and grid computing, nonlinear optimization, and many other areas of computer science. It has a strong track record of support of transformative research and building large scale compute infrastructures such as Condor and CloudLab. More recently, the department has been engaged in new interdisciplinary programs and centers including the Wisconsin Institutes of Discovery (WID) and the Wisconsin Institute on Software-defined Datacenters of Madison (WISDoM).

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.

Service to the department, college, university, and academic community nationally or internationally required. 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/about/employment> for details).

Applicants are encouraged to submit their applications along with supporting material as soon as possible, but no later than January 15, 2015 to ensure full consideration. For further information, send email to [recruiting@cs.wisc.edu](mailto:recruiting@cs.wisc.edu).

The Computer Sciences Department proactively supports expansion of diversity among all components of the department, and ensures an inclusive, fair, and equitable environment that fosters engagement. Women and minority candidates are especially encouraged to apply. A background check is required prior to employment.

## Wisconsin Institute for Discovery

*Faculty Position: Professor/Associate Professor/Assistant Professor*

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 a faculty opening in Optimization and its Applications. The opportunity is available at the Assistant, Associate or Full Professor level. Successful candidates will occupy a state-of-the-art and centrally located WID research facility specifically designed to spark cross-disciplinary collaborations.

Post-doctoral research experience and teaching experience 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 must submit a cover letter, curriculum vitae, teaching statement, and a statement of current and future research plans related to optimization and its applications before January 30, 2015. 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 person 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 position, see: [http://www.ohr.wisc.edu/WebListing/Unclassified/PVLSummary.aspx?pvl\\_num=80700](http://www.ohr.wisc.edu/WebListing/Unclassified/PVLSummary.aspx?pvl_num=80700)

# Professional Opportunities

philosophy. To apply, please visit <https://employment.vassar.edu/applicants/Central?quickFind=51674>

Review of applications will begin on October 15, 2014 and continue until the position is filled. Please direct any questions about the position to Luke Hunsberger, ([hunsberg@cs.vassar.edu](mailto:hunsberg@cs.vassar.edu)), Chair of the Computer Science Department.

## Wellesley College

*Computer Science*

*Hess Faculty Fellow*

Wellesley College invites applications for a two year Norma Wilentz Hess Faculty Fellow in the Department of Computer Science, starting in July 2015. Funded at the Assistant Professor level, the Hess Fellow will help Wellesley maintain a flexible Computer Science curriculum that explores interdisciplinary learning and new directions of special promise. With a teaching load of one course per semester, the Hess Fellow will have ample opportunity for innovative course development and collaborative teaching and research with Wellesley faculty and students. The fellowship includes support for travel, research, equipment, conference attendance, and other academic activities. Applicants should have a PhD (ABD considered) in Computer Science or a related discipline. Strong candidates in any area of specialty will be considered.

Applicants should submit a cover letter and curriculum vitae at <https://career.wellesley.edu>. The names/email addresses of three references are requested (The online application will request names/email addresses so that recommenders or dossier services may submit the letters directly.) Applications should also include a statement discussing teaching philosophy and ideas for course development and research projects. Applications will be reviewed starting January 9, 2015. If there are difficulties

submitting online, please contact [working@wellesley.edu](mailto:working@wellesley.edu) for assistance. Questions about the position should be directed to Ellen Hildreth at [ehildreth@wellesley.edu](mailto:ehildreth@wellesley.edu).

Wellesley College is especially interested in candidates who can contribute to the diversity and excellence of the academic community through their research, teaching and/or service. We are dedicated to building a culturally diverse and pluralistic faculty, and strongly encourage applications from underrepresented minorities and women.

## Williams College

*Computer Science Department*

*Tenure Track Assistant Professor*

The Department of Computer Science at Williams College invites applications for an

opening at the Assistant Professor level for the fall of 2015. This is a tenure-track position with a three-year initial term. A more senior appointment is possible in exceptional circumstances. This position is open to all areas of computer science. Candidates in application areas including AI, HCI, and bioinformatics are especially encouraged to apply. New faculty will join eight current members of the department in supporting a thriving and diverse undergraduate computer science major. Candidates should have a commitment to excellence in teaching, an active research program, and should, by September 2015, possess a Ph.D. in computer science or a closely related discipline. The successful candidate will teach a total of three courses during the academic year, along with associated labs.



## University of Wisconsin School of Medicine & Public Health

*Assistant/Associate/Full Professor of Biostatistics or Bioinformatics*

*Department of Biostatistics & Medical Informatics*

*University of Wisconsin School of Medicine & Public Health and Morgridge Institute for Research*

Department of Biostatistics & Medical Informatics at the University of Wisconsin School of Medicine & Public Health, and Morgridge Institute for Research, seek Assistant (tenure-track) or Associate/Full (tenured) Professor in biostatistics or bioinformatics. Innovative position combines research in methodology with applications in virology and related molecular biology; includes teaching, graduate student training. PhD in Biostatistics, Statistics, Bioinformatics, Computational Biology, Biomedical Informatics, Computer Sciences, or related area.

Please see:

<https://www.biostat.wisc.edu/content/assistantassociatefull-prof-biostatistics-biomedical-informatics-pvl-80903>

AA/EOE

# Professional Opportunities

Williams College is a coeducational liberal arts institution located in the Berkshire Hills of western Massachusetts with easy access to the culturally rich cities of Albany, Boston, and New York City. The college has built its reputation on outstanding teaching and scholarship and on the academic excellence of its approximately 2,000 students.

The Department of Computer Science offers a congenial working environment with small classes, an excellent and diverse student body, and state-of-the-art facilities. Many opportunities exist for collaboration across disciplines, particularly with other faculty in the sciences.

Applications should include a curriculum vita, teaching and research statements, and three letters of reference, at least one of which speaks to the candidate's promise as a teacher. Application materials must be submitted electronically via <http://www.cs.williams.edu>. Materials may be addressed to:

Professor Brent Heeringa, Chair  
Department of Computer Science  
Williams College  
Williamstown, MA 01267

Review of applications will begin on December 15, and will continue until the position is filled. Please direct all correspondence to [hirings@cs.williams.edu](mailto:hirings@cs.williams.edu). All offers of employment are contingent upon

completion of a background check. Further information is available at <http://dean-faculty.williams.edu/prospective-faculty/background-check-policy>.

Beyond meeting fully its legal obligations for non-discrimination, Williams College is committed to building a diverse and inclusive community where members from all backgrounds can live, learn, and thrive.

## York University

*Electrical Engineering and Computer Science  
- Lassonde School of Engineering*

*Tenure-Track and Tenured Positions*

The Lassonde School of Engineering (<http://lassonde.yorku.ca>) at York University,



## 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 one tenure-track and two tenured faculty positions in three areas: artificial intelligence/machine learning, software engineering, and data analytics/cyber security. Candidates should have a Ph.D. in Computer Science or related field at the time of appointment, a rank-appropriate record of scholarship and collaboration in computing and interdisciplinary areas, sensitivity to issues of diversity in the campus community, and will be required to teach at the undergraduate and/or graduate levels. Selected candidates are expected to travel occasionally to attend professional conferences and meetings.

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

Candidates with expertise in artificial intelligence, including but not limited to natural language processing, speech, computer vision and pattern recognition, perception, knowledge representation, humans and AI, game theory, reinforcement learning, machine learning, or reasoning under uncertainty are encouraged to apply. Candidates should have the skills to establish and grow a successful, multidisciplinary research group. Applications must be submitted online to <http://jobs.vt.edu> for posting #TR0140110. Inquiries should be directed to Dr. Cliff Shaffer, Search Committee Chair, [shaffer@cs.vt.edu](mailto:shaffer@cs.vt.edu).

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

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

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

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

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

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

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

Applicant screening will begin on December 15, 2014 and continue until each position is filled. Early applications are encouraged. We welcome applications from women or minorities. Salary for suitably qualified applicants is competitive and commensurate with experience. Selected candidates must pass a criminal background check prior to employment.

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

# Professional Opportunities

Toronto, Canada seeks three (3) outstanding candidates in Electrical Engineering and Computer Science at the rank of Assistant or Associate Professor, to commence July 1, 2015, subject to budgetary approval.

One Tier-2 Canada Research Chair (CRC) in the area Digital Media with expertise in one or more of the following: computer graphics, virtual reality, human machine interaction, spatial audio, haptics, natural language processing/synthesis, visual analytics and closely allied areas. Tier 2 CRC Chairs are research-intensive faculty positions providing the chair holder with an exceptional opportunity to grow their research program through prioritization on research and access to infrastructure funding. The awards have five-year terms, are renewable once, and are intended for exceptional emerging researchers – fewer than 10 years post terminal degree at the time of CRC application – who have the acknowledged potential to lead their field of research. Information about the CRC program can be found at <http://www.chairs.gc.ca>.

Two (2) positions in Electric Power Engineering, but exceptional applicants from other areas in Electrical Engineering may also be considered. Research specializations of interest include, but are not limited to, the fields of 1) power systems protection; 2) power systems operation in deregulated energy markets; 3) smart grid: technology and applications; and 4) high voltage power electronic devices and control of power electronic converters with possible applications to electric motor drives, energy storage systems, and microgrids.

The successful candidates must hold PhD degrees in the relevant discipline with outstanding track record of teaching, scholarly research, and professional achievement.

For full position details, please visit <http://www.yorku.ca/acadjobs>.

These positions will play key roles in the establishment of the Renaissance

Engineering initiative at Lassonde, an ambitious \$250 million dollar hiring 100 new faculty and staff, and expanding the student body by 1500. The Lassonde School of Engineering is a new professional school designed to create Renaissance Engineers™ – entrepreneurial engineers with a social conscience and a sense of global citizenship.

Applicants should complete the on-line process at <http://lassonde.yorku.ca/new-faculty/>. Complete applications must be received by **November 30, 2014**.

For the Tier 2 CRC in Digital Media, a complete application includes a detailed CV, statement of contribution to research and teaching, links to scholarly and/or creative work,

## Worcester Polytechnic Institute

### Computer Science Department Tenure-track Faculty - Fall 2015

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

The Computer Science Department anticipates hiring multiple tenure-track faculty for the Fall of 2015 whose expertise is in the following areas: Cybersecurity including network, system, or software security, software reliability and usable security; Algorithms, particularly individuals with collaboration possibilities with other faculty in Computer Science; Visualization and User Interfaces; Robotics working in a cross-disciplinary program with faculty from Electrical & Computer Engineering and Mechanical Engineering; Data Science including in big data analytics, statistical learning, large-scale data management, and data/text mining, working in a cross-disciplinary program; and Serious Games working with faculty in our Interactive Media & Game Development as well as our Learning Sciences & Technologies interdisciplinary programs.

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).

More information about the positions and instructions for applying are available at <http://apptrkr.com/521090>. 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, 2014 and continue until the positions are filled.

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



# WPI

# Professional Opportunities

evidence for their eligibility for a CRC Tier 2 appointment and three letters of reference.

For the electric power engineering positions, a complete application includes a cover letter, a detailed CV, statement of contribution to research, teaching, and curriculum development, three sample research publications and three reference letters.

York University is an Affirmative Action (AA) employer. The AA Program can be found at [www.yorku.ca/acadjobs](http://www.yorku.ca/acadjobs) or a copy can be obtained by calling the AA office at 416-736-5713. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority.