



CRA

Computing Research
Association

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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

Apply Now for CRA-W Grad Cohort 2016



CRA-W
Computing Research
Association
Women

CRA-W is now accepting applications for Grad Cohort 2016, a 2-day workshop during which participants will learn graduate school survival skills, receive mentoring, and develop networks with senior female computing researchers. This is a great opportunity for female graduate students to build mentoring relationships and develop peer networks to form the foundation of their graduate career and beyond.

Female graduate students in their first three years are eligible to apply.

The Grad Cohort 2016 workshop will be held at the Hilton San Diego Bayfront in San Diego, California, on April 15-16, 2016. The application deadline is November 30, 2015. Click [here](#) to apply. For more information, visit the [Grad Cohort 2016 Workshop page](#).

Accomplishments

Nancy Amato, who is a member of the CRA Board of Directors, co-chair of CRA-W, and member of the CRA Education Committee, was recently named on a list of "25 Women in Robotics You Need to Know About." In October, Nancy presented at the House STEM Education Caucus sponsored briefing for Congressional staff titled, "Building a STEM Education Pipeline Aligned with Industry Needs: Perspectives from the Field."



Patty Lopez, CRA-W board member and *Expanding the Pipeline* CRN column editor, was recently honored with the *Advocating Women in Engineering Award* from the Society of Women Engineers (SWE). The award honors an individual who has demonstrated professional excellence in their chosen STEM field and

has proven to be an advocate of women in engineering and SWE's objectives.

Jeffery Vitter, Government Affairs Committee co-chair, was recently named the new *Chancellor of the University of Mississippi*.



Nominations Open for 2016 CRA Awards

CRA invites nominations for the 2016 *CRA Distinguished Service Award* and *A. Nico Habermann Award*. The deadline for both awards is December 11, 2015.

Announcements, continued

Coming Soon: CRA and ACM Enrollments Survey

An ad hoc CRA committee is in the final stages of creating a department-level survey with questions about enrollment growth and department responses and impact. We will be contacting department heads of both doctoral departments (through the Taulbee survey) and non-doctoral departments (through the ACM NDC survey) in November to request your help. Data on the extent of the enrollment issue is badly needed for our community; thus, please help your department complete the survey. If you have questions or concerns, please contact CRA Board Member Tracy Camp, Colorado School of Mines, at tcamp@mines.edu.

CRA Taulbee Survey in Progress, Salary Deadline November 17

The CRA Taulbee Survey is now in progress. The survey has been split into two parts this year: Part 1, salaries, is due November 17. Part 2, the remaining student and faculty data, is due January 22. If your doctoral department in computer science, computer engineering, or information has not received information about the survey, please contact Betsy Bizot, CRA Director of Statistics and Evaluation, at bizot@cra.org.

CRA-E Undergraduate Research Faculty Mentoring Award

This new award recognizes individual faculty members who have provided exceptional mentorship, undergraduate research experiences, and, in parallel, guidance on admission and matriculation of these students to research-focused graduate programs in computing. Nominations are due Monday, November 30, 2015 by midnight (ET).



[Click here to start a nomination.](#)

Nominees Sought for CRA Board



[Click here to fill out the nomination form.](#)

The deadline for receipt of nominations is December 4, 2015.

Financial Aspects of Doctoral Study for Women in Computing, 1998-2013

By Betsy Bizot, CRA Director of Statistics and Evaluation,
and Stu Zweben, CRA Survey Committee Chair, Ohio State University

Background

This article examines trends for women and men in three financial aspects of doctoral study: the primary source of doctoral funding, the source of postdoctoral funding for those choosing a postdoctorate, and starting salaries for new Ph.D.s.

These analyses are part of a larger project examining trends in the representation of women in computing from 1990-2013. As part of that project, we licensed data from the National Science Foundation's Survey of Earned Doctorates (SED). The SED is sent each fall to every individual who received a research doctorate from an accredited U.S. institution in the previous academic year. It asks about the respondent's educational background, demographics, and postgraduation plans. In 2013, 92 percent of doctoral recipients completed the survey. We included data on SED respondents whose field of doctoral program was in the disciplines of (SED codes are listed in the parenthesis): computer science (400), computer engineering (321), information science & systems (410), robotics (415), and computer & information systems, other (419).

We previously used SED data to analyze the baccalaureate origins of women doctoral graduates (Bizot and Zweben, 2015) and plan forthcoming articles on time to degree and postgraduation employment plans.

Funding for Doctoral Study

Some research has shown that students who support their doctoral work with a teaching assistantship (TA) believe it causes them to take more time to complete their degree (Schmidt, 2009). Further, it is known that women, on average, take longer than men to complete a doctorate in computing (Bizot, 2014). Therefore, we wanted to know if women were more likely than men to support their doctoral work with a TA.

Figure 1 shows the percent of each gender whose primary source of doctoral funding was a research assistantship (RA),

teaching assistantship (TA), graduate fellowship or dissertation fellowship (Fellow), or own resources (Own). Additional sources of funding in the SED data include foreign government, employer, and other; too few students were funded by any of these mechanisms to report trends.

Funding data trends are examined from 1998-2013 because of a change in the way the data was coded and reported in 1998.

The percent of both men and women who fund their doctoral studies primarily through a research assistantship increased steadily over the time period, but a higher percent of males than females fund their studies this way. Conversely, the percent of those funding their doctoral studies with their own resources has decreased steadily, but a higher percentage of females than males fund their studies this way in all years.

For men, there is a significant increasing trend in the percent funding their studies through a fellowship, but most of the change seems to be before 2004. The trend is not significant for women. There is no significant trend in TA funding for either men or women.

Overall, foreign and domestic students have somewhat different sources of funding. Figure 2 shows the main source

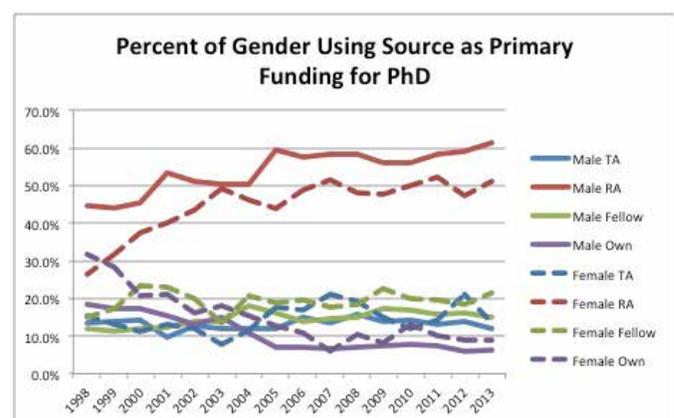


Figure 1. Percent of Gender Using Source as Primary Funding for Ph.D.

of funding for students completing their degree in 2013, by gender and residency groups. Male and female foreign students have very similar patterns of TA and RA funding, but some males also had government or own resource funding while females did not. Employer funding and own resource funding are more likely and TA funding is less likely for domestic students, both male and female, than for foreign students. Thus, the fact that a higher percentage of women than men use their own funds for their doctoral study is totally due to domestic students. Finally, domestic women are as likely to have fellowship funding as RA funding, the only group for which this is true. In theory fellowship funding, with its absence of a work requirement, is a positive thing, particularly in the final year of dissertation completion (Mwenda, 2010). However, some research has indicated that persistence among underrepresented doctoral students depends on how well integrated they are into their academic communities (Herzig, 2004). Thus, RA funding, which is more likely to engage students immediately in a research group, may be less isolating.

number of computing postdocs began to grow about 2004, but even then there are few women reporting committed funding from most sources, making trend comparisons unreliable. Therefore, rather than look at trends, Figure 3 compares the totals of men and women receiving postdoctoral support from 2001-2013. While the funding source with the highest percent of women is private foundations and other nonprofits, by far the highest number of women are funded by a college or university, followed by the U.S. Government.

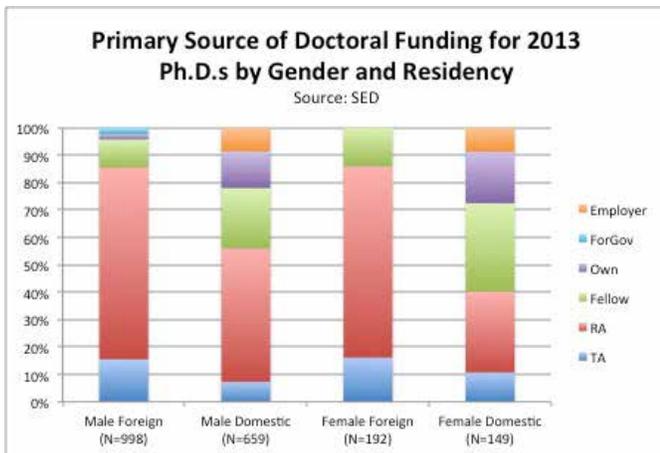


Figure 2. Primary Source of Doctoral Funding for 2013 Ph.D.s by Gender and Residency.

Postdoctoral Funding

This analysis includes only respondents who intend to start a postdoc in the year following graduation and either have a postdoc status of continuing with a predoctoral employer or have another firm postdoctoral commitment for the next year. Traditionally, postdocs have not been as common in computing as in other fields, particularly the life sciences. The total

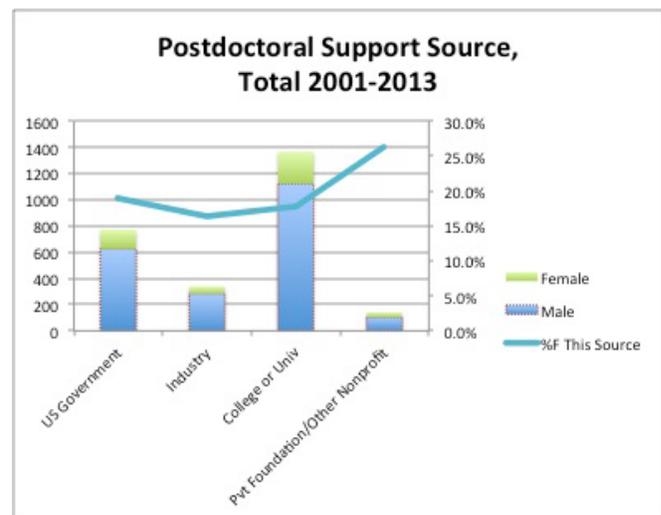


Figure 3. Postdoctoral Support Source, Total 2001-2013.

Reported Starting Salaries

The SED has collected anticipated salary information from respondents since 2008. Figure 4 shows the mean starting salary for those individuals whose postgraduation plans were definite (i.e., returning to or continuing predoctoral employment or had a definite commitment from an employer; those who were still negotiating or seeking are not included). The category of government is omitted because of low numbers overall. There is no significant trend in the postdoc or academia salaries; industry salaries have risen for both men and women. The male salary increase is significant at .05; the female increase has a strong correlation of .60 but is not significant due to the short time frame. Clearly, the type of employment accepted had a greater influence on salary than did gender. Women's salaries tended to be slightly lower than men's for each type of employment. The industry difference is significant at alpha=.10 and the others are not statistically

significant, probably due to the short time frame. In addition, because industry salaries are higher than the other types and because women are less likely to have taken industry jobs, the male-female gap is higher for the average salary of all new Ph.D.s than it is within any one employment type. Over the six years, the average woman's starting salary was 93.5 percent of the average man's starting salary.

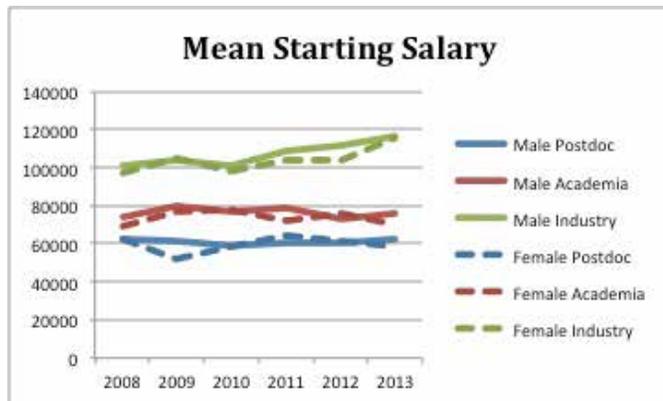


Figure 4. Mean Starting Salary of New Ph.D.s.

Conclusions

Gender differences in the financial aspects of doctoral study interact with other differences such as residency and type of position accepted postgraduation. For primary source of doctoral funding, residency (foreign/domestic) seemed to shape the pattern of funding more than gender did. It would be interesting, however, to more closely examine the educational careers of the 20 percent of domestic women who funded their doctoral studies primarily through their own or family resources. In postdoctoral funding, the two largest funding sources (federal government and college/university) funded women at a proportion very near their representation in the pool of completing Ph.D.s. And in starting salaries, the differences between type of employment affected salary much more strongly than did gender differences. In short, there are gender differences in the finances, but overall, women don't seem to be significantly disadvantaged.

Acknowledgements

This work was supported by grant B2014-12 from the Alfred P. Sloan Foundation.

Data from the Survey of Earned Doctorates was licensed through the National Center for Science and Engineering Statistics at the National Science Foundation (NSF). The use of NSF data does not imply NSF endorsement of the research methods or conclusions contained in this report.

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CS in DC: Profiles of Computing Researchers in Policy Roles in the Nation's Capital

Scott Jordan, Chief Technology of the Federal Communications Commission

As part of CRA's mission to help the computing research community become more engaged in policymaking and programmatic roles in D.C., we've embarked on a new effort to highlight the work of members of the computing research community who have taken the plunge and chosen to serve the nation in policymaking roles. This [new column](#) will provide these policymaking researchers an opportunity to highlight work that the community should know about, as well as raise awareness of the types of opportunities that are available to those interested in serving.



Scott Jordan is the [Chief Technologist](#) of the [Federal Communications Commission \(FCC\)](#).

While at the FCC, Jordan is on leave for governmental service from the University of California, Irvine, where he is a professor of computer science. His research has focused on Internet quality of service issues, including traffic management and resource allocation, in both wired and wireless networks. His current research interests are Internet policy issues, including net neutrality, data caps, and device attachment. In 2006, he served as an IEEE Congressional Fellow, working in the United States Senate on communications policy issues.

Jordan has been at the FCC since September 2014.

What do you do in your current position?

The FCC is an independent U.S. governmental agency overseen by Congress. It is the United States' primary authority for communications law, regulation and technological innovation. The FCC [regulates communications](#) in the United States, including broadband Internet access services, cable television, and mobile phone service. The FCC [adopts rules](#) as necessary to carry out its responsibilities.

My role at the FCC is to advise on technological issues across the Commission. I have advised on technological issues in the [Open Internet Order](#), in the merger between [Comcast and Time Warner Cable](#), in the merger between [AT&T and DirecTV](#), and in the FCC's [Measuring Broadband America](#) program. I've also assisted advisory committees that provide valuable input from a range of stakeholders, including the [Downloadable Security Technology Advisory Committee](#) and the [Technological Advisory Council](#).

What do you hope to accomplish in your time in D.C.?

The computing community should play an important public service role in the creation of communication laws and regulations. The most effective and long-lasting approaches to communications policy result from an interdisciplinary melding of law and economics with technological understanding.

I accepted the position because I strongly believe in public service, and in the potential to contribute to the formation of communications public policy in the public interest. I've been lucky to have had a chance to contribute to several efforts that are addressing critical policy aspects of the evolution in Internet architecture.

How can the computing community participate in your work?

Most FCC rules are adopted under a [process](#) that encourages the public to [comment on proposed rules and regulations](#). If you are interested in proposed rules, I encourage you to file a comment. We also welcome visits by the computing community to ensure that FCC policies are driving technological innovation.

What are your thoughts on the experience so far?

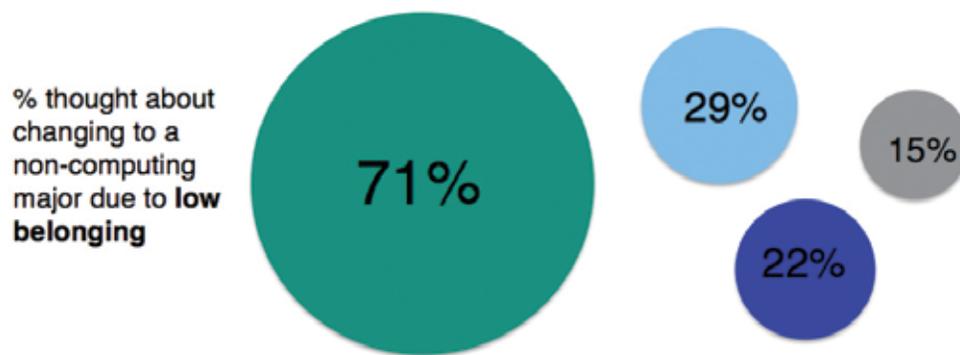
The experience has been fascinating. The chance to contribute to the formation of public policy in an area that I've been conducting research for many years is invaluable. My previous experience as a Congressional Fellow opened up a number of interdisciplinary research and teaching opportunities, and I expect this experience will inspire even more.

Shining the Spotlight on Undergraduate LGBTQ Women

By Heather Wright, CERP Research Associate

Among undergraduate students, LGBTQ women are more likely to think about switching to a non-computing major due to a low sense of belonging

LGBTQ Women | LGBTQ Men | Heterosexual Women | Heterosexual Men



CERP surveyed 101 undergraduate students majoring in a computing field who indicated that they had seriously considered changing to a non-computing major. Of those students, 7% identified as LGBTQ women, 7% identified as LGBTQ men, 27% identified as heterosexual women, and 59% identified as heterosexual men. When asked to indicate the *reason* they thought about changing their major, LGBTQ women were significantly more likely than their male LGBTQ and heterosexual peers to have considered leaving their major due to a low sense of belonging in computing, $p < .05$. These findings suggest the field of computing should take significant efforts to enhance LGBTQ women's sense of belonging in computing.

Notes. LGBTQ = Lesbian, Gay, Bisexual, Transexual, or Queer. We define "computing field" as either computer science, computer engineering or electrical and computer engineering, computing information systems, or another computing-related field including interdisciplinary fields with a strong computing component (e.g., computational biology or digital media). Students who had thought about leaving their major were asked: *How much do you disagree or agree with the following statements: I have considered changing to another major because: (1) I do not feel welcomed in the computing community; and (2) I do not feel like I "fit" in the computing community*, using a scale ranging from (1) strongly disagree to (5) strongly agree. These items were then aggregated into a single variable, belonging, used for the analysis presented here.



CERP
Computing Research Association
Evaluation

This analysis is 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/>.

Expanding the Pipeline

The Movement to Change the Face of CS Education is Growing

By Melissa Jones, Code.org



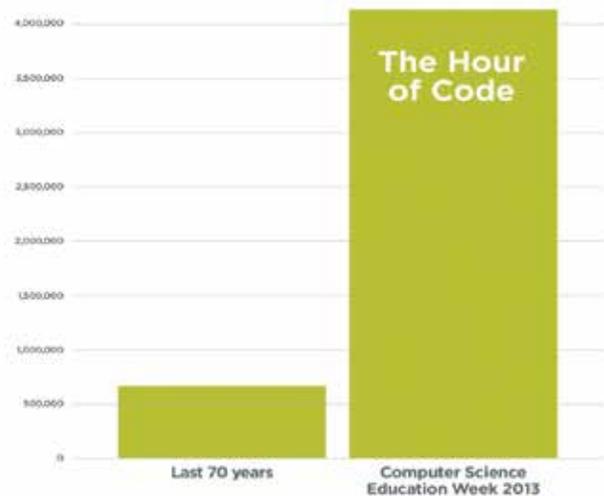
Code.org began almost three years ago with a mission to change the face of computer science (CS) education. In 2013, we started with a short film that went viral. Since then we've been building a start-up nonprofit organization working to give every student in every school the opportunity to learn foundational computer science skills. We've seen phenomenal results and impact from this mission:

- ▶ 300-plus organizations have joined forces to solve this problem.
- ▶ More than 70 school districts have embraced CS, including New York, Los Angeles, Chicago, Miami, Las Vegas, Houston, and San Francisco. All districts are listed at <https://code.org/educate/partner-districts>.
- ▶ 15,000 teachers have been trained to teach CS; 85 percent of them are female.
- ▶ More than 10 percent of all U.S. students in grades K-8 have begun coding; 43 percent of these students are girls.
- ▶ 16 states have adopted graduation policies involving CS. You can learn about your state's status, download a fact sheet with action items, and get involved at <https://code.org/promote>.

Code.org is dedicated to data-driven decision-making and research-based evaluation of our programs. We're pleased to share the results of our internal evaluation with the CS education community in an effort to contribute to the conversation about what works, and what doesn't, in building a more diverse pipeline for CS. We highlight some results below, but you can find our full evaluation report at <https://code.org/about/evaluation>.

The Hour of Code: Removing Barriers to Entry

Code.org has a number of different but related programs that drive these results and more. We are perhaps most well known for the Hour of Code, a campaign that drives awareness and excitement about coding across the globe by challenging new learners of all ages to study the basics of computer science through fun, interactive one-hour tutorials. We've reached more than 100 million students worldwide with the message that "Anyone can learn" to code. And the students we're reaching are not your stereotypical programmers. During last year's Hour of Code campaign, more girls participated in CS during that one week than had done so in the previous 70 years.



More girls participated in computer science in US schools than in the last 70 years.

Professional Development Programs: Transforming Teacher Practice

Code.org’s work goes far beyond the Hour of Code. We are working to create and scale full computer science courses for all K-12 grade levels. We have prepared 11,000 new computer science teachers and reached 6 million students over the past year. We partner with [Outlier Research & Evaluation at the University of Chicago](#), a third-party evaluator, to gauge the impact of these programs. Operating at this scale has yielded many successes. For example, 98 percent of teachers recommend our professional development, and hundreds of thousands of students have demonstrated coding proficiency on our online learning platform. But challenges remain, whether in our professional development workshops, in our school district partnerships, or in improving students’ learning outcomes.

All of our teacher professional development programs are designed around our [Professional Development philosophy](#), which ensures we incorporate self-directed, blended learning into more traditional face-to-face teacher training. The population of teachers we are training through our teacher training work is heterogeneous and diverse in terms of prior experience. Participants vary widely in terms of both their knowledge related to computer science and their skill level for teaching computer science (based on self-reported evaluations).

	K5-affiliate trained	K5 Code.org trained	MS science	MS algebra	HS
Number of teachers trained*	9290	176	89	85	316
I would recommend the PD to others	98%	96%	85%	98%	82%
This was the best PD ever	66%	55%	50%	82%	57%
I feel prepared to teach CS	94%	94%	45%	76%	57%

*2014-2015 Teacher Cohort only. Does not include 2015-2016 Teacher Cohort, who were trained toward the end of June 2015.

Our evaluations show we’ve been able to engage a large number of teachers in our professional development program from a wide variety of demographic and academic backgrounds. The vast majority of teachers who participate in our professional development leave feeling satisfied and prepared to bring computer science to their students.

However, after their training, teacher implementation of computer science curriculum varies widely. And we’re working to better engage teachers in ongoing professional development over time.

This finding is not unique to Code.org, nor is it unique to computer science. But we’re focused on improving teacher retention as we go forward.



Partnerships and Policy: Building Local Leadership and Capacity

In order to deploy our teacher training programs, Code.org has partnered [with more than 70 districts](#) across the United States. The partnership relationship includes planning, coaching, and sustainability work.

In studying the effectiveness of our partnership programs, we found that Code.org has greatly increased the priority of computer science in the partner districts. However, long-term sustainability of gains made through district partnerships is a top concern, for the following reasons:

- ▶ District leaders face many challenges in making computer science a priority and implementing Code.org programs, including getting state-level buy-in, securing the necessary infrastructure and funds, integrating CS into the schedule and graduation requirements, and finding and supporting qualified teachers.
- ▶ District leaders see a need to engage the broader local community in this effort, including guidance counselors, higher education institutions, and industry.
- ▶ Current district leaders do not have actionable plans to sustain their computer science efforts, even though they intend to do so.

Overall, we are encouraged to see that we are helping districts increase the priority of computer science locally in the face of some big challenges, such as infrastructure, funding,

competing graduation requirements, and continued teacher development. District planning for sustainability is the current need and focus of future evaluation work.

In an effort to create school-wide buy-in and support for our district partnerships, Code.org held one-day professional development sessions for school administrators and counselors in fall 2014. Our evaluation demonstrates:

- ▶ Respondents believe that computer science is necessary for high school students, but feel less strongly that it should be required.
- ▶ Respondents reported that the professional development “somewhat” influenced their values and beliefs about computer science and computer science education for students. The counselors reported a statistically significantly higher influence than the administrators.
- ▶ Nearly one-third of all respondents felt that their school did not have the resources (materials, CS content, and instructional strategy support) necessary to teach computer science.

Further study of the relationship between administrator and counselor attitudes and sustainable implementation of CS curricula is warranted.

What’s Next?

We’re currently analyzing the [full results of our professional development evaluation](#) and making plans to iteratively improve our programs over time.

While we are proud of what we’ve accomplished over the past year, we recognize that there is still much work to be done, and are making changes to improve the experience of students and teachers. We’re hoping to leverage the results

of this evaluation work to continue improving the diversity of CS education in the coming years. Key questions to be researched and addressed include:

- ▶ How can we engage teachers in long-term, transformational training?
- ▶ How can we rapidly grow the CS educator community?
- ▶ How can we increase teacher retention and improve implementation?
- ▶ What types of professional development designs—online, in person, blended—are most effective for meeting the specific needs of teachers who are certified in other subjects but new to teaching CS?

In the meantime, let us know: How can we band together to address these challenges, so that all young people benefit? Tell us your thoughts on Twitter ([@teachcode](#)) or on the open [CS Education discussion forum on Facebook](#). And be sure to join us in celebrating this year’s Hour of Code during CSEdWeek. You can learn more and sign up at <http://hourofcode.com>.

References

All of the data cited can be found here: <https://code.org/about/evaluation/summary>.

Melissa Jones leads [Code.org](#)’s teacher professional learning community.



CRA-W/CDC REU Programs Encourage Minorities to Pursue Ph.D.s in Computing

By Shar Steed, CRA Communications Specialist

Part of CRA's mission is to facilitate the development of strong, diverse talent in the field. CRA takes action to help increase and strengthen the computing workforce through programs such as the [Collaborative Research Experiences for Undergraduates \(CREU\)](#) and [Distributed Research Experiences for Undergraduates \(DREU\)](#) programs.

The [2014 Taulbee Survey](#) reports 152 African-American students enrolled in computer science Ph.D. programs – only 1.3 percent of the total students enrolled. Despite these low numbers, there is not a shortage of success stories. Morehouse College, a historically black institution, [produces 13 percent](#) of the male African-American Ph.D. students. I recently caught up with Kinnis Gosha, assistant professor of computer science and director of the [Culturally Relevant Computing Lab \(CRCL\)](#) at Morehouse College. Gosha has a Ph.D. in Human-Centered Computing and started the CRCL in 2011. The lab investigates research problems centered on creating innovative computing technologies to solve cultural problems and issues.

"Students feel their projects are making a difference," says Gosha. "This is important for boosting diversity because members of underrepresented groups are drawn to helping professions. It's clear that the end goal of these projects is to help society."



Kinnis Gosha (second row, far right) with students from the Culturally Relevant Computing Lab at Morehouse College.

The CRCL is unique because it recruits students based on potential, not just GPA. This gives more opportunities to students who possess interest and talent, but may be weaker in other areas.

"We want everyone to be exposed to research. It helps show individuals what grad school is really like and what jobs are available for those with advanced degrees," says Gosha.

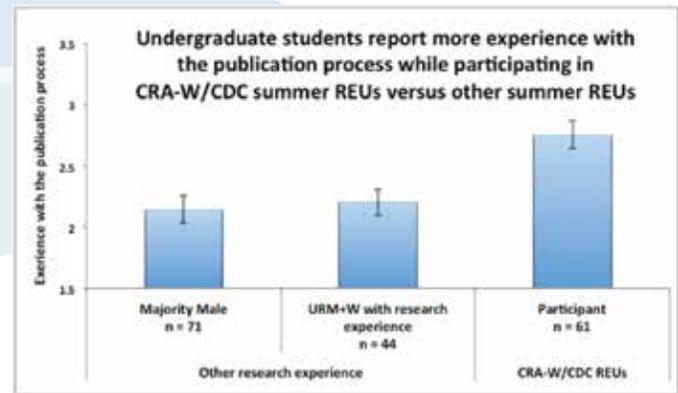
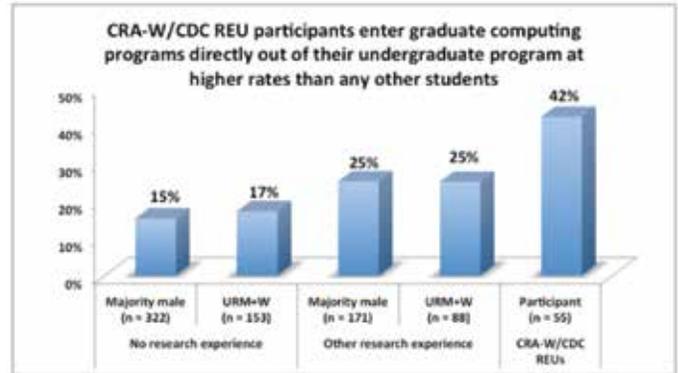
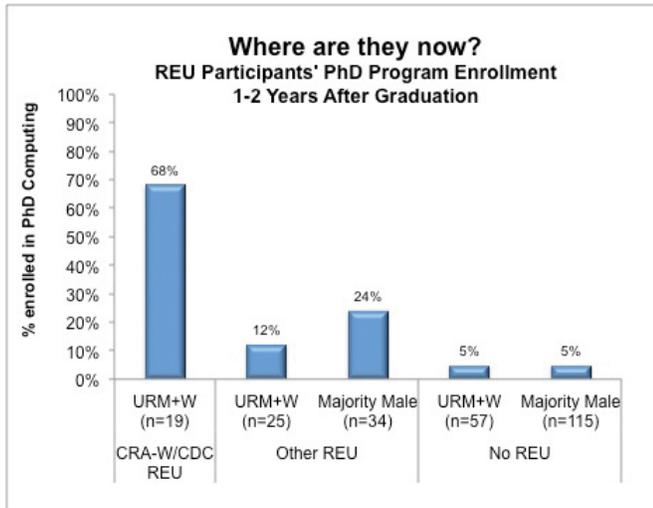
CREU and DREU are joint projects of [CRA-W](#) and the [Coalition to Diversify Computing \(CDC\)](#), with support from the [National Science Foundation](#). CREU students collaborate with each other and with their mentors on research projects during the academic year, and students are strongly encouraged to present their research at national or regional conferences. The CREU and DREU programs promote accountability by requiring the mentor and students to send progress reports on their work in order to receive student stipends.

Gosha credits the CREU and DREU programs as a factor in the success of CRCL. When Gosha first started the lab four years ago, CREU supported many of the initial projects. Since then, several of the students working on those projects have gone on to enter Ph.D. programs. Gosha believes the availability of travel funds to attend conferences to present research or experience events, such as the [Richard Tapia Celebration of Diversity in Computing](#), provides encouragement to the students. The students may not otherwise attend these events because funding is not always available from their university.

CRA evaluates the effectiveness of intervention programs such as CREU and DREU through its [Center for Evaluating the Research Pipeline \(CERP\)](#). Below are three informational graphics that show the outcomes of students who participate in research experiences for undergraduates (REU) programs: [Where Are They Now? REU Participants](#), [CRA-W/CDC REU Participants Plan To Enter Graduate Programs At A Higher Rate](#), and [CRA-W/CDC Summer REU Programs Report More Experience With Publication Process](#). You can also view CERP

evaluation reports on REU programs. You can also view CERP evaluation reports on REU programs.

The January 2016 *CRN* will feature a new infographic on the benefits of CREU and DREU for minority students.



CCC White Paper: Systems Computing Challenges in the Internet of Things

The Computing Community Consortium's (CCC's) Computing in the Physical World task force has just released a community white paper on Systems Computing Challenges in the Internet of Things.

The task force, led by CCC Council Member [Ben Zorn](#) from [Microsoft Research](#), is looking at the core research challenges presented by the Internet of Things (IoT). This white paper highlights these challenges and provides recommendations that will help address inadequacies in existing systems, practices, tools, and policies.

The recommendations are summarized below:

- ▶ *Invest in research to facilitate the construction, deployment, and automated analysis of **multi-component systems** with complex and dynamic dependences. IoT systems by their nature will have dynamic membership and operate in unknown and unpredictable environments that include, by assumption, adversarial elements.*
- ▶ ***Going beyond formal methods research** (historically focusing on software and CPS) to create abstractions and formalisms for constructing and reasoning about systems with diverse and more difficult-to-characterize components such as human beings, machine learning models, data from crowds, etc.*
- ▶ *Support research that addresses the **core underlying scientific and engineering principles** dealing with large-scale issues, networking, security, privacy, impact of the physical on the cyber, real-time, and the other key questions raised in this document.*
- ▶ *Industry is application-focused and usually targets a single domain (health care, transportation, etc.). Support research that considers **architectures and solutions that transcend specific application domains**.*
- ▶ *Support research on the unique challenges and opportunities in **IoT security**, such as minimal operating systems to create IoT devices with smaller attack surfaces, new ways detect and prevent anomalous network traffic, and high-level policy languages for specifying permissible communication patterns.*
- ▶ *Invest in research in **cyber-human systems** that reflect human understanding and interaction with the physical world and (semi) autonomous systems.*



To learn more, please read the entire [white paper](#).

Theoretical Foundations for Social Computing Workshop

From the CCC Blog

By **Jenn Wortman Vaughan**, senior researcher at Microsoft Research



Social computing encompasses the mechanisms through which people interact with computational systems like crowdsourcing markets, ranking and recommendation systems, online prediction markets, citizen science projects, and collaboratively edited wikis. Humans are active participants in these systems, making choices that determine the systems' input and, therefore, its output. The output of these systems can be viewed as a joint computation between humans and machines, and can be richer than what either could produce alone.

Social computing is blossoming into a rich research area, with contributions from diverse disciplines including computer science, economics, and other social sciences, but a broad theoretical foundation is yet to be established. As in other fields, there is great potential for foundational work to influence and shape the future of social computing, but several barriers must first be overcome. In late June, more than 30 researchers from academia, industry, and the government met in Washington, D.C. for a **visioning workshop** sponsored by the CCC to discuss these barriers and how to overcome them.

The workshop included several short talks, a panel discussion on social computing's most exciting future directions, and smaller interactive group discussions for which ample time was allotted. Presentations were given by **Siddharth Suri** on ways in which theoretical computer science can inform social computing, **Arpita Ghosh** on the interdisciplinary challenge of designing incentives for social computing, **David W. McDonald** on the challenge of identifying and accounting for bots in social computing systems, and **Michael Kearns** on the exciting challenge of creating a "crowdsourcing compiler" capable of breaking down and optimizing joint human-machine tasks.



Panelists **Eric Gilbert**, **Ashish Goel**, **Joe Konstan**, and **David Parkes** discussed the most exciting future direction for social computing, as well as opportunities for interactions between foundational research and the building and experimental testing of real social computing systems.

Perhaps the liveliest part of the workshop was the interactive group discussions. The topics included the ways in which the traditional computer science "theory of computation" must change to accommodate computations performed by humans and machines together, what the most compelling open problems in social computing are, and potential "core challenge" problems that would showcase the power of integrating foundational work into the design and analysis of social computing systems.

More information about the workshop can be found on the **event's website**. A detailed white paper outlining the challenges and possibilities of developing foundations for social computing will be forthcoming.

NSF Workshop to Identify Interdisciplinary Data Science Approaches and Challenges to Enhance Understanding of Interactions of Food Systems with Energy and Water Systems

From the CCC Blog

*The following is a special contribution to this blog from the organizing committee of the **National Science Foundation (NSF) workshop to Identify Interdisciplinary Data Science Approaches and Challenges to Enhance Understanding of Interactions of Food Systems with Energy and Water Systems** – held during October 5-6, 2015 at the **National Institute of Food and Agriculture (NIFA) Waterfront Centre** in Washington, D.C. This post summarizes some of the highlights of the workshop.*



CCC

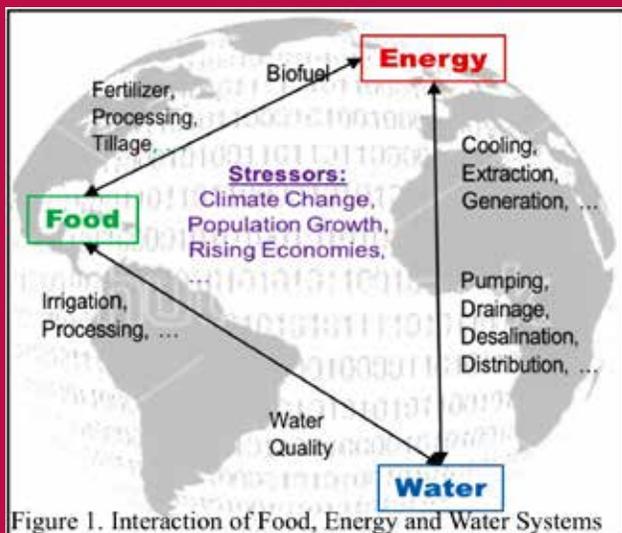
Computing Community
Consortium
Catalyst

In the coming decades, the world population is projected to grow significantly, resulting in increased strains on the world's limited food, energy, water, and other natural resources.

Furthermore, these strains may be amplified due to the effects of global climate change and increasing urbanization. To complicate matters as illustrated in Figure 1, the food, energy, and water systems are coupled through complex interactions. For example, increasing reliance on bio-fuels puts a strain on limited land and water resources, hence on food production. Therefore, attempts to achieve energy security by increasing the production of bio-fuels without regard to how it may impact water or food security may lead to unanticipated

surprises for food and water security. Indeed, the rise in food prices in many parts of the world in 2008 was attributed to increases in subsidies for biofuels. Similarly, incentives to farmers for increasing food production have depleted water resources (e.g., Aral Sea, Ogallala aquifer) and affected water quality (e.g., dead zones in many coastal areas). In recent years, drought and heat affected U.S. nuclear-power production and barge-based coal transportation. Hence, there is a growing recognition of the need for a new approach to understanding the complex the interactions between the food, energy, and water subsystems of the food-energy-water nexus as a function of population dynamics, climate change, and other factors.

The food-energy-water nexus is among the highest priorities of the United Nations. It is increasingly figuring among the top priorities of many nations, including the U.S. For example, a recent **National Intelligence Council report** identified the food-energy-water nexus among the greatest challenges facing our world in the coming decades and a **Department of Energy report** listed challenges and opportunities in water-energy nexus. The NSF has requested \$70 million for fiscal year 2016 to start a multi-year, cross-directorate initiative focused on "Innovations at the Nexus of Food, Energy, and Water Systems (INFEWS)." This year, the NSF has sponsored a series of workshops aimed at engaging diverse research communities to identify multi-disciplinary





INFEWS research challenges (and opportunities). The NSF workshop to Identify Interdisciplinary Data Science Approaches and Challenges to Enhance Understanding of Interactions of Food Systems with Energy and Water Systems was held during October 5-6, 2015 at the National Institute of Food and Agriculture (NIFA) in Washington, D.C. The participants included about 50 scholars with broad-ranging expertise across the data sciences and the food, energy, and water (FEW) sciences.

The opening day morning program started with a panel titled Data-Driven FEW Nexus Science and Application Innovations. The panel included presentations on the energy-water nexus, the water-food nexus, the food-energy nexus, as well as the FEW nexus as a whole. The NIFA director, Sonny Ramaswamy, emphasized the immediacy of food security by drawing attention to the reality that millions of children go to bed hungry in the U.S. every day. Bob Vallario, Rich Alexander, Luis Tupas discussed some of the data-driven approaches (e.g., empirical, mechanistic, optimization, and their ensembles) to energy-water, food-water, and food-energy interactions. Rabi Mohtar discussed the data-driven methods of life-cycle analysis for projecting the impact of population growth on demand of food, energy, and water. Rattan Lal, a member of the Nobel prize-winning IPCC team, emphasized the need for new thinking in meeting the nutritional needs of a growing

population without increasing the burden on the planet's scarce land, water, and energy resources (e.g., through better dietary choices). Remembering the lessons of the Dust Bowl, Lal also underscored the need for better soil management by moderating use of tilling, fertilizers, pesticides, and biomass removal with the use an analogy: While one aspirin may relieve a headache, 20 aspirins could kill a person.

The afternoon panel on data science started with a talk by J. Zico Kolter on new approaches to prediction and control under uncertainty the context of sustainable energy. Chandra Krintz discussed open-source precision agriculture and challenged the community to develop smart-farm apps to automate routine agriculture data-analytics tasks. AAAI President Tom Dietterich listed a variety of machine learning challenges including the modeling of precipitation, which is clumped in space and time. Computing Community Consortium (CCC) Council Member Vasant Honavar highlighted informatics challenges in closing the loop from data to model to hypotheses to prediction to observation and experimentation toward understanding the FEW nexus. Dr. Inna Kouper discussed data quality and trustworthiness issues (e.g., missing or unreliable data in some regions of the world). Bradley Doorn, a former ASPRS president, shared remote sensing trends in the context of mapping global surface water.



The morning panel was followed by a breakout discussion to identify pressing critical science questions, promising quantitative methods, and the data as well as the data science gaps that need to be addressed to meet the societal needs for food, energy, and water security. The afternoon panel was followed by a breakout discussion to identify the limitations of the current state-of-the-art in the data sciences and the research challenges that need to be addressed to overcome the limitations. The workshop concluded with a reflection and a synthesis that underscored the need for and the benefits of cross-disciplinary research collaborations spanning the FEW sciences and the data sciences, and articulated the data sciences research challenges and opportunities in the context of the FEW nexus.

The workshop identified several research directions including new approaches to: 1) Integration of data sets and data-driven models of multiple types at many spatial and temporal scales, 2) Predictive and causal modeling of spatial and temporal data, with particular attention to auto-correlation, non-stationarity, and scale of FEW data, 3) Multi-stakeholder decision support, including methods for eliciting and sharing preferences, supporting negotiation and consensus building, 4) FEW nexus life cycle thinking, and 5) FEW data uncertainty, incompleteness, and bias.

The workshop also underscored the need for community infrastructure, such as shared data sets, evaluation

metrics, models, and tools, and the training of a new generation of scientists with the requisite training in the data sciences and the FEW sciences to facilitate progress at their interface. Addressing these challenges could not only lead to transformative advances in our understanding of the complex interactions underlying the FEW nexus but also produce innovations in the data sciences that could benefit many other areas of national need that require uncovering complex interactions between natural as well as human processes at multiple spatial and temporal scales (e.g., health, poverty, humanitarian crises, etc.). The resulting data sciences methods and tools could dramatically improve the efficiency and sustainability of agriculture; influence consumer behavior in ways that contribute to increased food, energy, and water security; inform management practices for sustainability and productivity of soils, including restoration of degraded soils and ecosystems; inform policies aimed at enabling sustainable FEW systems; and provide strategies for mitigating the adverse effects of climate change.

Since this blog was originally posted, recent developments include: The NSF Research Traineeship solicitation 16-503 listed INFEWS as a priority area, and the [National Council for Science and the Environment \(NCSE\)](#) is organizing a national conference January 19-21, 2016 with a session on data science challenges in food-energy-water nexus.

CCC Releases White Paper in Support of White House Grand Challenge

By Helen V. Wright, CCC Senior Program Associate

On October 20, as part of the rollout of the [National Strategic Computing Initiative](#), the [White House](#) announced its nanotechnology-inspired Grand Challenge to develop transformational computing capabilities by combining innovations in multiple scientific disciplines. The grand challenge's goal:

Create a new type of computer that can proactively interpret and learn from data, solve unfamiliar problems using what it has learned, and operate with the energy efficiency of the human brain.

In support of this rollout, the [Computing Community Consortium \(CCC\)](#) has released a [statement of support](#) as well as a white paper on the [Opportunities and Challenges for Next Generation Computing](#). This white paper articulates some opportunities and challenges for dramatic performance improvements of both personal to national-scale computing,

and discusses some “out-of-the-box” possibilities for achieving computing at this scale.

The large-scale computing challenges include:

- ▶ Anticipating extreme weather events through modeling and monitoring;
- ▶ Understanding quantum effects in materials and chemistry models;
- ▶ Search engines for science;
- ▶ Prediction of human-in-the-loop systems

New approaches are needed to enable the next generation of computing innovations. There is an immense reservoir of possible innovation if computing performance continues to advance at all performance levels. The challenges outlined above frame some of these opportunities. To achieve them, we should invest in a diverse portfolio to further enable more performance and cost-performance growth.

The [White House](#) also just wrapped up its [National Strategic Computing Initiative Workshop \(NSCI\)](#). The workshop's purpose was to maximize the impact of the NSCI and inform its long-term planning by creating new partnerships between academia and industry.

Three themes from the workshop were:

- ▶ Convergence of data-intensive and numerically intensive computing;
- ▶ Hardware technology for future HPC systems;
- ▶ Improving productivity in HPC application development and deployment; and creating a trained workforce.

For more information, see the [Office of Science Technology Policy blog](#), the [CCC blog](#), and the list of supporting documents.



BRAID/CRA Collaboration to Study and Evaluate Diversity Initiatives in Computing



CERP

Computing Research Association
Evaluation

CRA's Center for Evaluating the Research Pipeline (CERP) will be working with Linda Sax, Professor of Education at UCLA, and a team of graduate students, on the research component of the Building Recruiting and Inclusion for Diversity (BRAID) initiative. The BRAID initiative was established in 2014 by Harvey Mudd College and the Anita Borg Institute for Women and Technology, and currently involves 15 computing departments across the U.S. that are committed to recruiting and retaining women as well as underrepresented men in computing majors. To that end, BRAID departments implement changes to their introductory computer science courses, and pathways into the major, as well as improve departmental climate, and promote outreach efforts for students.



BRAID

**Building Recruiting And
Inclusion for Diversity**

A partnership between the
Anita Borg Institute & Harvey Mudd College

Recognizing the importance of comparing students at BRAID departments with students at other institutions, Sax and her team reached out to CERP for data on a comparison group of non-BRAID institutions. CERP distributes an annual survey to a network of computing departments across the U.S., which assesses students' experiences and progress in their computing degree program – this initiative is called the [Data Buddies Project](#). Institutions participating in the Data Buddies Project are an ideal comparison group for BRAID, so the collaboration is a natural fit.

The UCLA team and CERP will collaborate to:

- ▶ Compare subjective experiences in computing among underrepresented students from BRAID institutions versus non-BRAID institutions. For instance, analyses will focus on

students' sense of "fit" in the computing community, access to mentors, and aspirations of the future, as a function of whether students are enrolled in a BRAID versus non-BRAID institution.

- ▶ Disseminate findings to the computing education community and other STEM fields suffering from low diversity.
- ▶ Utilize lessons learned from this project to inform a longitudinal follow-up study on students enrolled at BRAID/CERP institutions.

Call for applications - Become a BRAID affiliate school

BRAID is now accepting applications for up to five new BRAID affiliate schools. Affiliates are schools that are working toward implementing BRAID commitments to increase diversity in their computing departments but are not receiving funding through the initiative. Affiliates will be eligible to receive consultation from Harvey Mudd College and NCWIT. In addition, affiliates will have the opportunity to be a part of a network of other BRAID schools and to share and learn best practices from one another in increasing diversity in computing departments. It is required that this work be led by the Department Chair who will be the main liaison on the BRAID project. Department Chairs from affiliates will be expected to attend the annual BRAID Summit, which will occur July 15-17, 2016 in Snowbird, Utah.

To apply to participate, please compose a proposal (2 pages maximum) on what your department has already been doing to address diversity and what you intend to do by participating in BRAID. Please send your proposal to academicinitiatives@anitaborg.org. **Proposals are due by 5 pm on December 31st, 2015.**

NSF/CISE Continues to Lead Efforts to Spur Data Science Innovation

By Jim Kurose, Assistant Director of the National Science Foundation for Computer and Information Science and Engineering



Launched earlier this year, the [Big Data Regional Innovation Hubs \(BD Hubs\) program](#) aims to create an agile and sustainable national Big Data innovation ecosystem that enables the United States to better leverage Big Data technologies and techniques

in addressing societal challenges, increasing productivity and spurring economic development. The BD Hubs program continues, and scales up, the activities of the [National Big Data Research and Development Initiative](#), launched by the White House in 2012.

NSF recently [announced](#) four hubs, one in each of the four regions of the United States (as determined by the [US Census](#)):

- ▶ The South Hub, encompassing 16 states and the District of Columbia, will be jointly coordinated by the University of North Carolina and Georgia Tech. It initially plans to pursue regional priorities including healthcare and health disparities, coastal hazards, industrial big data, materials and manufacturing, and habitat planning.
- ▶ The Northeast Hub, containing 9 states, will be coordinated by Columbia University. Priority areas identified by the hub include energy, finance, data science for education, and climate and the environment.
- ▶ The Midwest Hub covers 12 states and will be coordinated by the University of Illinois at Urbana-Champaign. Included among its priority areas are agriculture; the food, energy and water nexus; and smart cities. It will also work closely with the National Data Service, another data-centric consortium.
- ▶ The West Hub covers 13 states, including Alaska and Hawaii. It will be jointly coordinated by the University of California, San Diego, the University of California, Berkeley, and the University of Washington. The West Hub will focus on priority areas including Big Data technologies, data-intensive

discovery, managing natural resources and hazards, and precision medicine.

More information about the BD Hubs can be found via the [NSF awards database](#) and at <http://bdhub.info>.

To facilitate long-term partnerships to promote the goals of each BD Hub, the Computing Community Consortium (CCC) is sponsoring a program for the BD Hubs specifically to bring together academic and industry researchers, including those early in their careers.

NSF also recently announced the release of a new “Big Data Spokes” (BD Spokes) solicitation, *Big Data Regional Innovation Hubs: Establishing Spokes to Advance Big Data Applications*, that kicks off the next phase of the BD Hubs program. It aims to support research in various sectors of particular interest to each BD Hub and advance innovation in that sector and region.

Whereas the BD Hubs awards are organization-building in nature, the BD Spokes will be mission-based with foci on three main topic areas: automation of the data lifecycle; improving access to data; and the application of data science for domain science and societal impact. BD Spokes projects are meant to grow the community and drive innovation on projects with specific outcomes and metrics of success. Each BD Spoke will work in concert with a BD Hub on articulated regional challenges and opportunities. In particular, NSF welcomes submissions addressing the following areas of emphasis:

- ▶ Neuroscience;
- ▶ Replicability and Reproducibility in Data Science;
- ▶ Smart and Connected Communities;
- ▶ Data Privacy;
- ▶ Data-Intensive Research in the Social, Behavioral, and Economic Sciences; and
- ▶ Education.

It's important to note that these areas of emphasis are not meant to be exclusive.

Connecting stakeholders across sectors—government, academia, and industry—is crucial to maintaining and expanding the growing national Big Data innovation ecosystem. The Big Data Regional Innovation Hubs and their directed Spokes collectively constitute an exciting effort that will play a central role in realizing these partnerships. I invite the CISE community to continue to work with us—and with colleagues in other disciplines—to broadly spur data science innovation.

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Professional Opportunities

Amherst College

Visiting Assistant Professor of Computer Science

The Department of Computer Science invites applications for a full-time position at the rank of Visiting Assistant Professor, beginning in either January (preferred) or July 2016. This is a one-and-one-half-year or one-year appointment, with possible renewal for two additional years. The teaching responsibility is two courses per semester. Within the last decade, Amherst College has profoundly transformed its student body in terms of socioeconomic status, ethnicity, race, and nationality. Today, nearly one-quarter of Amherst's students are Pell Grant recipients; 43 percent of our students are domestic students of color; and 10 percent of our students are international students. Our expectation is that the successful candidate will excel at teaching and mentoring students who are broadly diverse with regard to race, ethnicity, socioeconomic status, gender, nationality, sexual orientation, and religion.

The successful candidate must have a Ph.D. in computer science in hand or have fulfilled all requirements for the degree by the start of the appointment. We seek a colleague who is committed to excellence in undergraduate computer science education, who is comfortable teaching courses in a variety of areas, and who is able to direct undergraduate research projects.

Interested candidates should send a cover letter and a curriculum vitae to amherst-visit@cs.amherst.edu. They should also arrange for three professional references to be sent to the same email. Applications received by November 15, 2015, will be assured of full consideration. Review of applications will continue until the position is filled.

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

For more details, see www.amherst.edu/academiclife/dean_faculty/employment. For questions, contact the department chair, Prof. John Rager, at jer@cs.amherst.edu.

Arcadia University

Faculty - Computer Science

Arcadia University is a top-ranked private university in Greater Philadelphia and a national leader in study abroad and international education. Approximately 3,900 students study at Arcadia, with 2,400 undergraduate students choosing from more than 65 fields of study. Arcadia promises a distinctively global, integrative, and personal learning experience that prepares students to contribute and lead in a diverse and dynamic world.

Arcadia's College of Arts and Sciences offers programs in science, technology, and math; humanities; visual and performing arts; communications; and historical and political studies. These programs prepare students for careers that contribute to a global society and allow students to exhibit, perform, and publish on campus through a variety of campus media outlets, including an art gallery, a literary magazine, and an online journal.

Arcadia University invites applications for a tenure track Assistant Professorship in computer science starting September 2016.

Qualifications:

Ph.D. requirements must be met by September 2016. A Ph.D. in any area of computer science, demonstrated excellence in and commitment to teaching, and an ongoing research program are required.

We seek an individual who can teach a wide range of computer science courses and we would welcome applicants who also have the ability to teach some mathematics. We are especially interested in candidates who can include undergraduates in their research.

Interested candidates should apply online at <https://faculty-arcadia.icims.com/>, where they will submit a cover letter, curriculum vita, statement of teaching philosophy, and statement of current research interests. In addition, the candidate should initiate three letters of recommendation to be submitted to cs@arcadia.edu; questions can also be directed to that email address. Consideration of applications will begin December 7, 2015 and will continue until the position is filled.

Information about Arcadia University's Department of Computer Science and Mathematics is available at <https://www.arcadia.edu/college-arts-sciences/departments-faculty/computer-science-mathematics>

Arcadia University seeks candidates of diverse cultural backgrounds and abilities. Arcadia University encourages members of underrepresented groups to apply. All offers of employment are conditional based on successful completion of a background check.

Arizona State University

School of Computing, Informatics and Decision Systems Engineering

Director of the School

Arizona State University seeks a visionary leader to serve as director of the School of Computing, Informatics and Decision Systems Engineering. The director has an unparalleled opportunity to grow and transform the school, leveraging our highly ranked Computer Science and Industrial Engineering programs and our newly established programs in Computer Engineering, Informatics, Software Engineering and Engineering Management. Our school is currently aggressively recruiting new faculty and experiencing strong student demand for all of its programs.

The School of Computing, Informatics and Decision Systems Engineering, with more than 65 tenured or tenure-track faculty, 3000

Professional Opportunities

undergraduate students and 1200 graduate students across two campuses, is among the largest of the six schools comprising the Ira A. Fulton Schools of Engineering. Its faculty members are responsible for more than \$15,000,000 in annual research expenditures and more than \$100,000,000 in proposals. More than 10 major research centers are led by faculty in the school. The faculty includes more than a dozen young investigator or CAREER winners as well as 10 fellows of societies and institutes. The university continues to make large investment in the school resulting in more than 20 faculty hires in the last 5 years.

The Ira A. Fulton Schools of Engineering include nearly 19,000 students and over 300 faculty members who conduct nearly \$100 million in research, spanning a broad range of engineering, construction and technology fields. The schools' educational programs emphasize problem solving, entrepreneurship, multidisciplinary interactions, social context and connections. Arizona State University includes more than 80,000 students and 1600 tenured or tenure-track faculty on multiple campuses in metropolitan Phoenix as well as online.

The director of the school reports to the Dean of Engineering and is the academic and administrative leader of the school. The

director is responsible for the advancement of the school including academic program innovation and student success, faculty hiring and development, research program growth and impact, connections with community organizations and industry, resource generation and strategic planning. The school director is part of the leadership team of the Fulton Schools, which includes the five other school directors, associate deans and the dean of engineering.

The successful candidate will have a proven record of teaching and research and will have demonstrated leadership, collaboration and innovation. Successful candidates must have a Ph.D. in engineering, computer science or a related field and be eligible to be appointed as a tenured faculty member in the school. We seek candidates who will take an active role in development, will collaborate with directors and deans of the other schools and colleges to drive interdisciplinary efforts, will promote diversity among our faculty, students, and staff, and will support and promulgate the collegial and collaborative approach of the Fulton Schools.

Nominations should be sent via email to Prof. Stephen Phillips (stephen.phillips@asu.edu).

Applicants must submit a single email containing i) cover letter, ii) curriculum vita, iii) summary of teaching, research and administrative experience and iv) list of three references with contact information to Annette Bowers (annette.bowers@asu.edu).

Review of applications will begin December 1, 2015; if not filled, reviews will occur on the 1st and 15th of the 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/>.



SOFTWARE ENGINEERING LECTURER POSITIONS

School of Computing, Informatics, and Decision Systems Engineering

The School of Computing, Informatics, and Decision Systems Engineering (CIDSE) in the Ira A. Fulton Schools of Engineering at Arizona State University (ASU) seeks applicants for one or more full time lecturer positions beginning January 1, 2016. This is a non-tenure track appointment with a fixed term academic year contract.

A minimum of a M.S. in Software Engineering, Computer Science, Computer Engineering or a related discipline is required.

Desired qualifications include a Ph.D. by time of appointment, a demonstrated record of excellence in teaching that incorporates active learning, successful teaching experience with online education, and an extensive knowledge of software engineering methodologies, practices and tools. Professional experience in software engineering and a commitment to work collaboratively with a diverse student population are also desirable.

Review of applications will begin on November 15, 2015; if not filled, reviews will occur on the 1st and 15th of each month thereafter until the search is closed. To apply, please submit as a single PDF file, a cover letter summarizing the applicant's experience, curriculum vita, teaching statement, and contact information for three references to: SE.Lecturer@asu.edu. For more information contact Dr. Timothy Lindquist, at 480 727-2783 or timothy.lindquist@asu.edu. (Job #11309)

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

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Auburn University

Department of Computer Science and Software Engineering

Assistant/Associate/Full Professor and Lecturer

The Department of Computer Science and Software Engineering (CSSE) invites applications for multiple tenured/tenure-track faculty positions at the Assistant/Associate/Full Professor levels and one Lecturer position to begin in Spring 2016 or Fall 2016. Salary will be commensurate with the candidate's qualifications. We encourage candidates from all areas of computer science and software engineering to apply. Excellent communication skills are required. Applicants should apply by submitting a cover letter, current curriculum vitae, research vision, teaching philosophy, and three references to:

Tenure Track Faculty Positions:

Wireless Engineering and Computer Networking

<https://aufacultypositions.peopleadmin.com/postings/1150>

Artificial Intelligence, Big Data, and High Performance Computing

<https://aufacultypositions.peopleadmin.com/postings/1140>

Cyber Security, Data Analytics, and High Performance Computing

<https://aufacultypositions.peopleadmin.com/postings/1151>

All areas of Computer Science and Software Engineering

<https://aufacultypositions.peopleadmin.com/postings/1192>

Non-Tenure Track Lecturer Position:

<https://aufacultypositions.peopleadmin.com/postings/1194>

cra.org/crn

The applicant review process will begin October 1, 2015 and continue until successful candidates have been identified. Detailed announcements of these positions can be found at: <http://www.eng.auburn.edu/csse/>.

Auburn University is an EEO/Vet/Disability Employer.

Austin College, Sherman, Texas

Department of Computer Science and Mathematics

Visiting Assistant Professor of Computer Science

Austin College invites applications for a three year visiting position in computer science (with possibility of conversion to tenure-track) beginning August 2016.

Preference is given to those with a passion for teaching. A typical course load is three classes per semester and one course every alternate January.

A Ph.D. in computer science is required. Review begins November 15th.

More information at: <http://www.austincollege.edu/jobs> or e-mail CompScienceSearch@austincollege.edu

Australian National University, Canberra, ACT, Australia

*Research School of Computer Science
Research Fellow*

Positions Description: We are seeking an outstanding Research Fellow with excellent mathematical background and research expertise in Machine Learning or (Algorithmic) Information Theory or (Bayesian) Statistics or Artificial Intelligence or related area. See <http://jobs.anu.edu.au/cw/en/job/505313/> for details.

Application Instructions: <http://jobs.anu.edu.au/cw/en/job/505313/>

Closing Date: 30 November 2015

Bilkent University, Ankara, Turkey

*Computer Engineering Department
Assistant, Associate or Full Professor*

The Computer Engineering Department at Bilkent University is in the process of hiring new faculty members and seeks candidates for multiple positions. Appointments may be made at Assistant Professor, as well as at Associate Professor or Full Professor rank for candidates with commensurate experiences and accomplishments. A PhD degree in a related field is required. Review of applications will begin immediately and will continue until the positions are filled.

The department emphasizes both high quality research and teaching. Faculty duties include teaching at the graduate and undergraduate levels, research, supervision of theses and other related tasks. The department will consider candidates with backgrounds and interests in all areas in computer science and engineering. We are particularly interested in the areas of data science and intelligent systems.

Bilkent University is an equal opportunity employer. The university places great emphasis on interdisciplinary research, university-industry collaboration, and innovative teaching. The university offers internationally competitive salaries and benefit packages including furnished housing.

Nominations and applications should describe the professional interests and goals of the candidate in both teaching and research. Each application should include a resume and the names and contact information of three or more individuals who will provide letters of recommendation.

Please send all nominations and applications to: guvenir@cs.bilkent.edu.tr

Professional Opportunities

Boston College

Full-Time Non-Tenure Track Faculty Position

The Boston College Computer Science Department invites applications for a full-time non-tenure track faculty position, beginning September 2016. The position is a three-year renewable contract. Applicants should have a Ph.D. in Computer Science or related discipline, and possess a strong commitment to undergraduate teaching.

We will begin reviewing applications on December 1, 2015, and will continue considering applications until the position is filled.

Additional information is available at www.cs.bc.edu/employment.

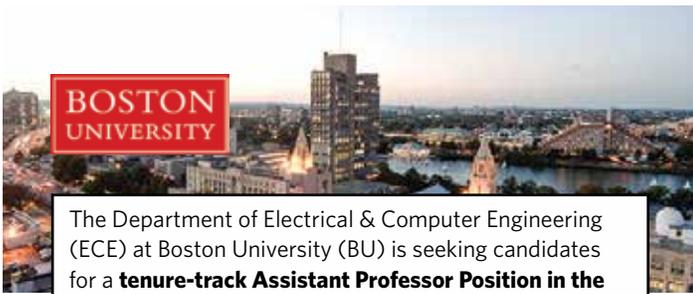
Boston University, Boston, MA

Department of Computer Science Assistant Professor (3 positions)

The Department of Computer Science invites applications for three tenure-track assistant professorships beginning July 1, 2016. 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 comprises 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.

Review of applications will begin January 5, 2016, and continue on a rolling basis. Additional information on the Department is available from <http://www.bu.edu/cs>.



The Department of Electrical & Computer Engineering (ECE) at Boston University (BU) is seeking candidates for a **tenure-track Assistant Professor Position in the general domain of computer systems and software, motivated by areas such as the Internet of Things (IoT), cybersecurity, privacy, and the cloud.** Please visit <http://www.bu.edu/ece/facultysearch> for instructions on how to apply. Candidates must possess a relevant Ph.D. degree, show strong potential for attracting external research funding, and possess a strong commitment to teaching. This ECE position is aligned with a broader university-level initiative in Data Science – an area of strategic growth for Boston University (<http://www.bu.edu/datascience/>).

The application deadline is December 31, 2015. The review of applications will begin on October 1, 2015.

Boston University is an Equal Opportunity/Affirmative Action 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.

Professional Opportunities

Qualified applicants should apply at <https://academicjobsonline.org/ajo/jobs/6235>.

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.

Bowdoin College

Tenure-Track Position

The Computer Science Department at Bowdoin College invites applications for a tenure-track position (assistant professor rank) starting July 2016. Preference for the area of systems, particularly operating systems, architecture, networks, security, distributed systems, cloud computing, or grid computing. Two courses per semester. Ph.D. in computer science required. Review begins December 1.

Visit <https://careers.bowdoin.edu> to learn more and apply. Bowdoin College is committed to equality through Affirmative Action, and is an equal opportunity employer.

Bucknell University

Computer Science Department

Tenure-track Assistant Professor

Applications are invited for a tenure-track position in computer science beginning mid-August 2016. We expect to hire at the Assistant Professor level, but outstanding candidates will be considered at Associate Professor or Professor level; years of credit toward tenure will be awarded based upon qualifications. We are interested in applicants working in any area of computer science, though those with backgrounds in systems areas such as computer architecture or operating systems are encouraged to apply. The successful candidate must be able to participate in the teaching of required core

courses and be able to develop elective courses in her or his area of expertise. Candidates are expected to have a Master's degree and be ABD, or hold a PhD by the beginning of the 2016 fall semester. We seek a teacher-scholar with a demonstrated ability to work successfully with a diverse student body. A strong commitment to excellence in teaching and scholarship is also required.

Bucknell University is a private, highly selective, national university where strong liberal arts and professional programs in engineering, business, education and music complement each other. The B.S. programs in computer science are ABET accredited. The computing environment is Linux/Unix-based. More information about the department can be found at: <http://www.bucknell.edu/ComputerScience/>

Review of applications will begin on December 15 and continue until the position is filled. Candidates are asked to submit a cover letter, CV, a statement of teaching philosophy and research interests, and three confidential letters of recommendation. Applications are only accepted through Interfolio ByCommittee. Please go to <http://apply.interfolio.com/32302> to apply.

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

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

Cal Poly, San Luis Obispo

Assistant or Associate Professor - High Performance Computing

Cal Poly's Computer Science Department is seeking a full-time, academic year, tenure-track Computer Engineering/Computer Science faculty member beginning no later than 9/15/16. The selected candidate will have Computer Science as their home department. Duties include teaching undergraduate and master's level courses, enriching the development of new curricula in high-performance computing and conducting research. Particular areas of focus include: parallel computing architectures, and programming models including massively parallel accelerators, distributed computing systems, scientific computing, computational modeling and visualization.

The department maintains an array of modern computing facilities and specialized labs for instructional and faculty support and has just built a cutting edge Massively Parallel Accelerated Computing (MPAC) lab. The MPAC workstations have high-end multicore CPUs, an Intel Xeon Phi accelerator, and an NVIDIA GPU. The department has strong connections in the HPC area with multiple companies including Intel, NVIDIA, and Dreamworks Inc., as well as with national labs (LLNL, Sandia National Labs, ORNL).

Review the full position description (Req. #103801) at: www.calpolyjobs.org/applicants/Central?quickFind=164885 and select **Apply For This Posting** to complete the online faculty application. For full consideration apply by 1/1/16. Applications received after this date may be considered. For additional information contact Search Committee Chair, Dr. Chris Lupo, at clupo@calpoly.edu

Cal Poly is an affirmative action/equal opportunity employer.

Professional Opportunities

Cal Poly, San Luis Obispo

Assistant or Associate Professor - Software Engineering

Cal Poly's Computer Science Department invites applications for a full-time, tenure-track Software Engineering faculty position beginning no later than 9/15/2016. Candidates with industry experience are encouraged to apply. Cal Poly offers an ABET accredited undergraduate major in Software Engineering. The successful candidate will play a pivotal role in development and expansion of the Software Engineering program. Duties include teaching undergraduate and master's level courses, supporting and expanding the curricula development in Software Engineering, pursuing research in this area, and providing service to the department, the university, and the community. Strategic priorities of the department include the areas of: Mobile, Cloud Computing, and Software Testing. A doctorate in Software Engineering, Computer Science or a closely related field is required by the start of employment at Cal Poly.

Review the full position description (Req. #103800) at: www.calpolyjobs.org/applicants/Central?quickFind=164883 and select **Apply For This Posting** to complete the online faculty application. Applicants are encouraged to submit materials by Dec. 1, 2015 for full consideration; however, the position will remain open until filled. For additional information contact: Search Committee Chair Prof. David Janzen at djanzen@calpoly.edu

Cal Poly is an affirmative action/equal opportunity employer.

Cal Poly, San Luis Obispo

Electrical and Computer Engineering Tenure-Track Faculty Position

The Electrical Engineering Department and Computer Engineering Program at Cal Poly, San Luis Obispo, invite applications

for a full-time, academic year tenure-track faculty position at the Assistant or Associate Professor rank. The projected start date is September 15, 2016. Duties include teaching undergraduate and graduate computer/electrical engineering courses, building a collaborative research program in the area of mobile computing, and service to the department, university, and community. Teaching responsibilities include digital design, computer architecture, embedded systems, design projects, technical electives, and graduate courses aligned to the candidate's expertise. Desired areas of expertise include computer engineering, and hardware and firmware aspects of mobile computing platforms.

For details, qualifications, and application instructions (online application required), visit WWW.CALPOLYJOBS.ORG and apply to requisition #103795. Application review begins Jan. 4, 2016.

Cal Poly's commitment to diversity informs our efforts in recruitment, hiring and retention. California Polytechnic State University is an affirmative action/equal opportunity employer. EEO

California State University, Fresno

Assistant Professor - Department of Computer Science

Duties include teaching; mentoring students; conducting research in game development and computer graphics; and participating in university level committees. An earned doctorate (Ph.D.) in Computer Science or other closely-related disciplines from an accredited institution (or equivalent) is required; however, applicants nearing completion of the doctorate (ABD) may be considered. The doctorate must be completed by the date of appointment (August 15, 2016).

Also required: successful teaching at the undergraduate level, experience teaching

video game design and computer graphics, and ability to demonstrate a commitment to working effectively with faculty, staff, and students from diverse backgrounds. Review of applications will begin November 10, 2015, and will continue until the position is filled.

Visit <http://jobs.fresnostate.edu> for more information. California State University, Fresno is an affirmative action/equal opportunity institution.

California State University, Fullerton

Tenure-Track Positions

The Department of Computer Science invites applications for tenure-track positions at the Assistant Professor level starting August 2016.

For a complete description of the department, the position, desired specialization and other qualifications, please visit <http://hr.fullerton.edu/diversity/job-openings/>

Caltech

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 will consider candidates in all areas of computing, broadly defined; research areas of particular interest include (but are not limited to) learning and computational statistics, security and privacy; robotics and autonomous systems; networked and distributed systems; optimization and computational mathematics. Additionally, we are seeking candidates who have demonstrated strong connections to other fields, including the physical, biological, mathematical, and social sciences.

A commitment to high-quality teaching and mentoring is expected. The initial

Professional Opportunities

appointment at the assistant-professor level is for four years and is contingent upon the completion of a Ph.D. degree in Computer Science, Applied Mathematics or related field.

To ensure the fullest consideration, applicants are encouraged to have all their application materials on file by November 1st, 2015. 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.

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

Carnegie Mellon University

Faculty Positions

The School of Computer Science at Carnegie Mellon University seeks faculty candidates with a strong interest in research, outstanding academic credentials, and an earned PhD. Candidates for tenure-track appointments should also have a strong interest in graduate and undergraduate education.

We particularly encourage applications from candidates who have a demonstrated track record in mentoring and nurturing female and under-represented minority students.

The School of Computer Science consists of seven departments, spanning a wide range of topics in computer science and the application of computers to real-world systems. You can find out about our departmental hiring plans and submit your application by visiting <https://www.cs.cmu.edu/~scsdean/HiringPage/index.html>.

To ensure full consideration of your application, please submit all materials **no later than January 4, 2016**. Please send email to 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, protected veteran status, disability, or any other legally protected status.

Case Western Reserve University

Engineering Strategic Hiring Initiative

Case Western Reserve University's Engineering Strategic Hiring Initiative continues in 2015 and beyond with a focus on recruiting extraordinary faculty in the broad areas of **advanced materials, energy and human health**. Research clusters identified as strategic priorities and opportunities for the Case School of Engineering include Biomolecular Engineering, Informatics, and Translational Biomaterials.

Biomolecular Engineering is seeking candidates whose research programs are preferably in the following areas: metabolic pathway engineering, mammalian cell culture, and bioprocess engineering, including medical applications and biofuels. Case Western Reserve University offers a rich research environment for bridging synthetic biology and chemical engineering disciplines.

Informatics is seeking candidates with research programs on efficiently and securely managing, processing, communicating, simulating, and analyzing large-scale data in the context of engineering, science, and health applications. Candidates should be grounded in an established or emerging area of computing and informatics, including, but not limited to, cybersecurity, cloud computing, high performance computing, mobile computing, networks, machine learning, or data mining, and display an aptitude for interdisciplinary and translational teamwork.

The strategic hiring initiative has attracted outstanding junior and senior candidates interested in being part of a community determined to drive discoveries that

improve people's lives. The Case School of Engineering values interdisciplinary thinking, creative collaboration and entrepreneurial ideas. It also believes strongly in the vital importance of diversity within the professorial ranks, both in terms of women and underrepresented minorities.

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

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

We welcome all nominations and applications. Please send application materials to csesearch@case.edu. For additional information, please visit <http://engineering.case.edu/strategichiring/> or contact Dean Jeffrey Duerk at cseinterest@case.edu.

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

Case Western Reserve University provides reasonable accommodations to applicants with disabilities. Applicants desiring a reasonable accommodation for any part

Professional Opportunities

of the application and hiring process should contact the Office of Inclusion, Diversity and Equal Opportunity at 216-368-8877. Determinations regarding granting accommodations will be made on a case-by-case basis.

Colgate University

Department of Computer Science

Two Tenure-Stream Positions

The Department of Computer Science at Colgate University invites applications for **two** tenure-stream positions in computer science at the rank of Assistant Professor beginning fall semester 2016. Completion of a Ph.D. is expected prior to or shortly after the date of hire. A strong interest in both research and teaching is also expected.

We are interested in candidates who complement and broaden our program and encourage candidates in all areas of specialization to apply. For one position, we prefer candidates with teaching interest in computer systems, including, but not limited to, operating systems, architecture, cloud computing, or other emerging areas. For both positions, successful candidates will teach courses in their areas of expertise, help staff departmental courses, and also participate in all-university programs, including the Liberal Arts Core Curriculum.

Colgate University is a highly selective liberal-arts college of 2900 undergraduate students situated in a picturesque village in central New York. The department offers excellent teaching and research facilities; and, the university is committed to promoting excellence in both teaching and scholarship. For more information about the department and the position, please visit our website at <http://cs.colgate.edu>.

Review of applications will begin November 2, 2015. Applications will continue to be accepted and reviewed after this date until both positions are filled. Applications should

include a cover letter, curriculum vitae, research statement, teaching statement, and three letters of recommendation. Colgate strives to be a community supportive of diverse perspectives and identities. Candidates should describe in their cover letter or other statements their approach to teaching and/or scholarship in a diverse and inclusive educational environment.

Colgate is an EEO/AA employer; women and candidates from historically underrepresented groups are especially encouraged to apply. We welcome dual-position applicants; in this case, each candidate should submit a separate application. Applicants with dual-career considerations can find postings of other employment opportunities at Colgate and at other institutions of higher education in upstate New York at <http://www.upstatenyherc.org>.

Submit applications at <https://academicjobsonline.org/ajo/jobs/6394>. Please direct questions to the department chair, Vijay Ramachandran, at vramachandran@colgate.edu.

College of the Atlantic

Faculty Member in Computer Science

College of the Atlantic invites applications for our first faculty member in computer science, to start Fall 2016. We seek an energetic, innovative teacher with broad intellectual interests and curiosities to offer a range of classes to motivated students with diverse backgrounds and goals. In addition to core computer science classes, we welcome courses that help students make connections between computer science and other areas of study. COA is a highly interdisciplinary, nondepartmental college of around 350 students and 35 faculty. All students design their own major in human ecology.

For more information, see <http://www.coa.edu/human-resources/job-openings/>. To

receive full consideration, applications must be received by December 7, 2015.

COA is an AA/EEO employer. Applications are especially encouraged from persons who could enhance the ethnic, gender, and cultural diversity of the College.

Colorado College, Colorado Springs, CO

Department of Mathematics & Computer Science

Tenure Track Assistant Professor of Computer Science

The Department of Mathematics and Computer Science at Colorado College announces a tenure track Assistant Professor of Computer Science position, beginning fall 2016. A PhD in computer science or related field is required. Candidates with demonstrated breadth of knowledge within computer science are strongly preferred. We will consider candidates in any area of computer science. The current members of the program have interests in artificial intelligence, machine learning, programming languages, software engineering and security/privacy; candidates whose interests are complementary to these are preferred. To be considered for the position, candidates should apply by November 20, 2015.

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

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

Professional Opportunities

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

phone interviews with select candidates in late December, and to invite top candidates for on-campus interviews in February.

Equal Opportunity Employer: Colorado College is an equal opportunity employer committed to increasing the diversity of its community. We do not discriminate on the basis of race, color, national origin, gender, age, religion, gender identity or expression, disability, or sexual orientation in our educational programs and activities or our employment practices.

Colorado State University, Fort Collins, Colorado

Department of Computer Science

Tenure-Track Faculty in Computer Science

Colorado State University is accepting applications for two professors in Computer Science at the level of Assistant or Associate beginning Fall 2016. Excellent candidates in all areas will be considered. Applicants working in Cyber Physical Systems, Software Assurance, Networks and Security, High



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: Theory (all levels) and Programming languages (Assistant or Associate Professor level).

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, 2015 will receive full consideration.

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

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

Professional Opportunities



ETH zürich

Assistant Professorships (Tenure Track) in Computer Science

→ The Department of Computer Science (www.inf.ethz.ch) at ETH Zurich invites applications for Assistant Professorships (Tenure Track) with a focus on the following broad areas:

- **Programming Languages and Software Engineering:** Language design and implementation, testing and debugging, compilers, domain-specific languages, dynamic languages
- **Theory:** Algorithms, complexity, logic and semantics
- **Cyber-physical Systems:** Smart environments, robotics, virtual/augmented reality, internet of things
- **Data Science:** Machine learning, artificial intelligence, data management, database systems, data privacy

→ Applications of candidates with exceptional research accomplishments will also be considered for a tenured associate or full professorship. Please only apply for one of the above four areas as all applications will be jointly reviewed.

→ Applicants should be strongly rooted in Computer Science, have internationally recognised expertise in their field and pursue research at the forefront of Computer Science. Successful candidates should establish and lead a strong research programme. Collaboration in research and teaching is expected, both within the department and with other groups of ETH Zurich and related institutions. The new professor will be expected to supervise doctoral students as well as to teach undergraduate level courses (English or German) and graduate level courses (English).

→ Assistant professorships have been established to promote the careers of younger scientists. ETH implements a tenure track system equivalent to other international top universities.

→ Please apply online at www.facultyaffairs.ethz.ch

→ Applications should include a curriculum vitae, a list of publications (with the three most important ones marked), and a statement of future research and teaching interests as well as the names of at least three referees. The letter of application should be addressed to the **President of ETH Zurich, Prof. Dr. Lino Guzzella**. **The closing date for applications is 15 December 2015.** ETH Zurich is an equal opportunity and family friendly employer and is further responsive to the needs of dual career couples. We specifically encourage women to apply.

Professional Opportunities

Performance Computing and Cyber Human Systems are encouraged.

For full consideration applications must be submitted to <http://jobs.colostate.edu/postings/18083> by November 15, 2015.

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

Drexel University, Philadelphia, Pennsylvania

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 algorithms and theory, artificial intelligence, computer algebra, computer science education, computer vision and graphics, databases and data mining, distributed systems, high-performance computing, human computer interaction, privacy and security, programming languages, and software engineering. Preference will be given to applicants in the areas of computer vision, data mining, machine learning, natural language processing, and robotics. 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.

Evaluation of applications will be conducted on a rolling basis with applications accepted until January 1, 2016. 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=80286 or search for Requisition #7105.

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.

Florida Institute of Technology

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 2016. 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.

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).

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

Professional Opportunities

Florida International University

Florida International University is a comprehensive university offering 340 majors in 188 degree programs in 23 colleges and schools, with innovative bachelor's, master's and doctoral programs across all disciplines including medicine, public health, law, journalism, hospitality, and architecture. FIU is Carnegie-designated as both a research university with high research activity and a community-engaged university. Located in the heart of the dynamic south Florida urban region, our multiple campuses serve over 55,000 students, placing FIU among the ten largest universities in the nation. Our annual research expenditures in excess of \$100 million and our deep commitment to engagement have made FIU the go-to solutions center for issues ranging from local to global. FIU leads the nation in granting bachelor's degrees, including in the STEM fields, to minority students and is first in awarding STEM master's degrees to Hispanics. Our students, faculty, and staff reflect Miami's diverse population, earning FIU the designation of Hispanic-Serving Institution. At FIU, we are proud to be 'Worlds Ahead'! For more information about FIU, visit fiu.edu.

The School of Computing and Information Sciences (SCIS) seeks exceptionally qualified candidates for tenure-track and tenured faculty positions at all levels as well as non-tenure track faculty positions at the level of Instructor, including visiting instructor appointments. SCIS is a rapidly growing program of excellence at the University, with 30 tenure-track faculty members and over 2,000 students, including over 80 Ph.D. students. SCIS offers B.S., M.S., and Ph.D. degrees in Computer Science, an M.S. degree in Telecommunications and Networking, an M.S. degree in Cybersecurity, and B.S., B.A., and M.S. degrees in Information Technology. SCIS has received over \$22M in the last four years in external research funding, has six

research centers/clusters with first-class computing and support infrastructure, and enjoys broad and dynamic industry and international partnerships.

Open-Rank Tenure Track/Tenured Positions (Job ID# 508676)

SCIS seeks exceptionally qualified candidates for tenure-track and tenured faculty positions at all levels. We seek well-qualified candidates in all areas; researchers in the areas of computer systems, cybersecurity, cognitive computing, data science, health informatics, and networking are particularly encouraged to apply. Preference will be given to candidates who will enhance or complement our existing research strengths.

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

Non-tenure track instructor positions (Job Opening 507474)

We seek well-qualified candidates in all areas of Computer Science and Information Technology. Ideal candidates must be committed to excellence in teaching a variety of courses at the undergraduate level. A graduate degree in Computer Science or related disciplines is required; significant prior teaching and industry experience and/or a Ph.D. in Computer Science is preferred.

HOW TO APPLY:

Qualified candidates for open-rank faculty positions are encouraged to apply to (Job Opening ID #508676); and candidates for

instructor positions are encouraged to apply to (Job Opening ID # 507474). Submit applications at facultycareers.fiu.edu and attach cover letter, curriculum vitae, statement of teaching philosophy, research statement, etc as individual attachments. Candidates will be required to provide names and contact information for at least three references who will be contacted as determined by the search committee. To receive full consideration, applications and required materials should be received by December 31st, 2015. Review will continue until position is filled.

If you are interested in a visiting appointment please contact the department directly by emailing Dr. Mark Weiss at Weiss@cis.fiu.edu. All other applicants should apply by going to facultycareers.fiu.edu.

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

Fordham University

Computer and Information Science Department

Tenure Track Assistant Professors in Cyber Security & Data Analytics

Fordham University invites applications for two tenure track Assistant Professor Positions in the Department of Computer and Information Science (CIS), to start in fall 2016. The two positions require a Ph.D. in Computer Science, Information Science or related fields, a commitment to teaching excellence, and an active program of research. One of the positions is in the specialization in Cybersecurity and the other in Data Analytics.

Professional Opportunities

These selected candidates are expected to teach graduate and undergraduate courses in Computer and Information Science, and conduct high-quality research in their field of expertise.

The two positions require excellence in teaching undergraduate and graduate courses, good communication skills, and demonstrated research potential with the ability to attract external research funding. Exceptional candidates in all areas of Cybersecurity and Data Analytics are encouraged to apply.

The Department of CIS offers graduate and undergraduate programs at Fordham's Rose Hill campus in Bronx and Lincoln Center campus in Manhattan. For information about the department, visit <http://www.cis.fordham.edu>.

Applications can be electronically submitted to Interfolio Scholar Services:

For Cybersecurity Position: apply.interfolio.com/31854

For Data Analytics Position: apply.interfolio.com/31854

Include (1) Cover letter with qualifications, (2) Curriculum vitae, (3) Research Statement, (4) Teaching Statement, (5) Sample scholarship, and (6) At least three letters of recommendation. Applications will be accepted until the position is filled. Preference will be given to applications received by January 15, 2016.

For inquiries, contact: Palma Hutter at: hutter@fordham.edu, CIS Department, Fordham University, 441 East Fordham Road, Bronx, NY 10458.

Fordham University, 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.

Franklin & Marshall College, Lancaster, Pennsylvania

Computer Science

*Tenure-Track Assistant Professor Of
Computer Science*

The Franklin & Marshall College Computer Science Program invites applications for two tenure-track positions beginning Fall 2016. The rank will be Assistant Professor or Instructor depending on qualifications. Applicants should possess a Ph.D. in Computer Science or a related field, or be close to completing the degree.

We will hire one candidate able to teach and develop courses in Software, and one in Systems. We seek candidates interested in working with students and colleagues with diverse perspectives, experiences, and backgrounds. Our teaching load is 3/2.

Applicants should submit materials at <http://apply.interfolio.com/31519>. See <http://www.fandm.edu/computer-science/employment> for more details.

Franklin & Marshall College is a research-intensive liberal arts college committed to having an inclusive campus community where all members are treated with dignity and respect. The College does not discriminate in its hiring or employment practices on the basis of gender, sex, race, ethnicity, color, national origin, religion, age, disability, family or marital status, sexual orientation, or any protected characteristic.

Georgetown University

Computational Linguistics for Big Data

The Departments of Computer Science and Linguistics at Georgetown University are pleased to announce a **tenure-track position at the Assistant Professor** level in Computational Linguistics with a specialization in very large data resources (so-called "Big Data"). The appointment will be joint (50-50) in both the Department of

Linguistics (<http://linguistics.georgetown.edu>) and the Department of Computer Science (<https://cs.georgetown.edu/>). Both departments include successful graduate programs and offer degrees at the Bachelor, Masters, and Doctoral levels.

We seek candidates with expertise in areas including but not limited to:

- Big Data NLP for social media and the Web
- Distributional semantics approaches to meaning
- Document classification and topic modeling
- Information extraction and textual entailment
- Multilingual big data for statistical machine translation and cross-language information retrieval

This expertise may be manifest in various ways, but in all instances candidates are sought who combine linguistic insight with robust computational theory and practice. We are seeking scholars doing cutting edge research who show promise of continuing that high level of achievement while being an exceptional teacher of undergraduate and graduate students. Collaboration with a wide variety of colleagues across the Departments and University is also expected.

Georgetown, which attracts some of the very best students in the country and the world, is located in the heart of Washington, D.C., a city that provides opportunities to connect with government agencies as well as high-tech industries. We are currently expanding graduate programs in Computational Linguistics and in Computer Science and expect the successful candidate to take an active role in shaping both. Both departments are committed to working with the successful candidate to foster cross-departmental collaboration. This position is part of a broader University investment in Big Data research across a number of programs.

Professional Opportunities

Candidates must possess a PhD in Computational Linguistics, Computer Science, Linguistics or a related field. The appointment will start on August 1, 2016. Applicants must have completed all requirements for the PhD degree by the time of the appointment.

Georgetown University is an Equal Opportunity, Affirmative Action employer fully dedicated to achieving a diverse faculty and staff. All qualified candidates are encouraged to apply and will receive consideration for employment without regard to race, sex, sexual orientation, age, religion, national origin, marital status, veteran status, disability or other categories protected by law.

Instructions for application: As we expect a large number of applications, we ask that you carefully follow the instructions below when submitting your materials. Incomplete or improperly formatted applications may not be considered.

Complete applications will consist of a single PDF file. The file will be named in the format: <Name>_<Nonce>.pdf

Where:

- <Name> is your full name separated by underscores
- and <Nonce> is a random 4 digit number of your choosing.

The **single** PDF file attached will contain in order:

- a cover letter
- a current curriculum vitae
- the names and contact information for three references
- a teaching statement
- a research statement
- at least one representative publication

Please **do not** ask references to send letters at this time; we will request letters as necessary.

After preparing your file, please send it by email to: cl-search@georgetown.edu; questions can be sent to the same address.

Receipt of applications will be promptly acknowledged; please send a note if you do not receive a reply within three business days.

Applications should be received by **December 1, 2015**, to receive full consideration, but later applications are welcome. First round interviews will take place by video conference in early January.

Georgia Institute of Technology

School of Computational Science and Engineering - NSF South Big Data Regional Innovation Hub

Co-Executive Director

Applications from well-qualified and highly motivated candidates are sought for the position of Co-Executive Director at the Georgia Institute of Technology (GT) location of the National Science Foundation-sponsored South Big Data Regional Innovation Hub (BD Hub). The mission of the South BD Hub is to tackle regional and national big data challenges, foster entrepreneurship, and promote education, overseeing and harnessing the expertise of stakeholders from Washington D.C. and sixteen southern states.

The position calls for managing and operating the day-to-day operation of the hub, including the management of any administrative personnel, maintaining the South BD Hub website and collaboration portal, facilitating partner activities such as birds-of-a-feather and working group meetings, developing budgets, conducting outreach activities to the wider community, coordinating workshops, working with the Steering Council to plan and host the annual meetings, coordinating and interacting regularly with the other off-site Co-Executive Director, and organizing and participating in Steering Council and Standing

Committee meetings. Synergistically, the individual will also play a strong role in the GT Big Data initiatives.

The position requires a substantial and broad base of experience to effectively engage stakeholders, forge new partnerships, and maintain important relationships with academia, industry, government, and nonprofit organizations. Required qualifications include 1) an earned Ph.D. in a big data related field including computing, engineering, science, technology, or policy, 2) management skills involving personnel and budgets, 3) ability to work collaboratively and cultivate relationships, and 4) strong communication and public engagement skills. Candidates without a Ph.D. but with demonstrable skills in understanding and engaging with technical personnel are encouraged to apply.

To apply, please send your application (cover letter, CV, a statement explaining track record and suitability for the position, and three reference letters) via email to Arlene Washington at arlene@cc.gatech.edu. The position is available immediately, and remains open until a suitable candidate is found.

Georgia Institute of Technology

Tenure-Track Faculty Positions

The *School of Interactive Computing* (IC) at the *Georgia Institute of Technology* (Georgia Tech) invites applications for several anticipated tenure track faculty positions at all levels of seniority.

Areas of interest include Robotics, Machine Learning, Artificial Intelligence, Human-Centered Computing, Information and Communication Technologies for Development, CS Education, Social Computing, Ubiquitous and Wearable Computing, and Geometric and Visual Computing, but we will also consider exceptional candidates in other areas that

Professional Opportunities

support the school's mission and expand it in strategic directions.

The School of IC is a part of Georgia Tech's [College of Computing](#), which is [ranked](#) among the top ten Computer Science departments in the nation. The School includes 36 full time tenure-track Faculty, 6 Faculty with joint appointments, 12 Research Scientists, 130 PhD students, and a large number of Master's students. These work 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](#).

Application materials should be submitted online: <https://academicjobsonline.org/ajo/jobs/6204> and must include a cover letter, research statement, teaching statement, curriculum vitae, the contact information of at least three references, and up to three publications. Applicants must have outstanding academic credentials, a sincere commitment to teaching, and an interest in engaging in substantive interdisciplinary research. We ask that applicants clearly indicate their research area(s) in their cover letters.

Preference will be given to applications submitted before November 1, 2015, but applications received before December 31, 2015 will also be considered. We expect that hiring decisions will be made by May 1, 2015. Questions regarding the status of an application may be directed to recruiting-ic@cc.gatech.edu.

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

Georgia Institute of Technology

Tenure-Track Faculty Positions

Applications will be considered until open positions are filled. However, to receive full consideration, applications should be submitted by December 7, 2015. 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, Atlanta, Georgia

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, modeling and simulation, and large-scale "big data" 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, 2015, submitted online through <https://academicjobsonline.org/ajo/jobs/6009>. The application material should include a full academic CV, teaching and research statements, a list of at least three references and up to three publications. 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 State University

Department of Computer Science

Lecturer Position

The Department of Computer Science of Georgia State University invites applications for a lecturer position. The position will begin in August 2016 and an earned Ph.D. in Computer Science is required (candidates who are expected to receive their Ph.D. by December of 2016 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,

Professional Opportunities

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.

At GSU, lecturers play a significant role in achieving the mission of the University. To recognize this, there is a clear career path that includes promotion to Senior Lecturer and Principal Senior Lecturer. This path mirrors the promotion process for tenure-track faculty.

Women and minorities are especially encouraged to apply. For best consideration, applications are due by January 10th, 2016 submitted online at: <https://academicjobsonline.org/ajol/jobs/6482> Applicants should submit an academic CV, teaching statement, and a list of at least three references.

An offer of employment, pending budgetary approval, will be conditional on background verification. Georgia State University, a Research University of the University System of Georgia, is an AA/EEO employer.

Georgia State University

*Department of Computer Science
Tenure-Track Faculty Position*

The Department of Computer Science at Georgia State University invites applications for a tenure-track faculty position at the Assistant Professor level to begin in August 2016. Earned Ph.D. in Computer Science or a related discipline is required for this position.

Prospective applicant will demonstrate excellence in research, a commitment to undergraduate/graduate computer science education, and a strong potential for securing external funding. Preference will be given to candidates with expertise in the areas of Big Data and Cybersecurity. Areas related to Big Data include data visualization, cloud computing, networking, data mining, database systems, and machine learning, and areas related to Cybersecurity include gaming, privacy, software and mobile security, and malware analysis.

Georgia State University, located in the heart of downtown Atlanta, is a major research university with an enrollment of more than 32,000 students. The university is currently embarking on a record \$1 billion campus expansion. The Computer Science department's Ph.D. program is nationally competitive and ranks among the best in the Southeast, according to National Research Council data. The program also has a high rank in several categories at the Ph.D.s.org website. The department's faculty attracts substantial funding from many federal



HUNTER
The City University of New York



CUNY The City
University
of
New York

Assistant Professor * Cybersecurity or Data Science

The Department of Computer Science at Hunter College invites applications for a tenure track position to begin in either January or August of 2016.

Priority will be given to cybersecurity applicants in network security, software security, secure operating systems, and secure software engineering, and, to data scientists with a successful track record within one of two specific areas of computer science: artificial intelligence (including computational linguistics and robotics) or systems (including high performance computing and parallel computation).

The successful candidate is expected to develop a strong research program with a commitment to obtain external grants. Hunter has both a research and a teaching mission — the candidate will be expected to teach both core undergraduate computer science courses and electives and graduate courses within their area of research.

Located at the 68th Street campus on the upper east side of Manhattan, the small but diverse faculty of the Computer Science Department at Hunter works closely with students and each other in an open and collegial atmosphere.

Junior faculty are generally afforded membership in the doctoral faculty of the Computer Science Program at the CUNY Graduate Center which enables them to teach graduate level courses and mentor Ph.D. students.

For details and to apply, visit www.cuny.edu/employment.html and log in or create a new account then search for Job Opening ID: 13550.

* Applications seeking appointment at a rank above assistant professor will not be considered.

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agencies, including six NSF CAREER Awards.

Women and minorities are especially encouraged to apply. For best consideration, applications are due by January 10th, 2016 submitted online at: <https://academicjobsonline.org/ajo/jobs/6222>. Applicants should submit an academic CV, teaching and research statements, and a list of at least three references.

An offer of employment, pending budgetary approval, will be conditional on background verification. Georgia State University, a Research University of the University System of Georgia, is an AA/EEO employer.

Haverford College

Full-Time Tenure Track Assistant Professor Position

Haverford College is seeking a candidate for a tenure track Assistant Professor of Visual Studies to establish the theoretical groundwork for a new interdisciplinary minor. The candidate should have a PhD. The college is particularly enthusiastic about scholars who might build on existing faculty interests in information visualization, perception, cognition, history and theory of visuality, and critical making.

For more information, see <http://apply.interfolio.com/32117>.

Haverford College is an Equal Opportunity/Affirmative Action employer that does not discriminate on the basis of race, ethnicity, religion, gender identity, sexual orientation, age, national origin, marital status, disability or veteran status. Haverford has a longstanding commitment to diversity rooted in values of inclusion and social justice, a commitment reflected in the curriculum, classrooms and communal composition of the College. Haverford welcomes applications from candidates who share these values and who will foster their contribution to the College's educational mission

Illinois Institute of Technology

One or More Tenure-Track Positions

The Department of Computer Science at Illinois Institute of Technology seeks applications for one or more tenure-track positions at the rank of Assistant Professor starting Fall 2016, although strong candidates at higher rank levels will also be considered. Applicants must have a Ph.D. in computer science or a closely related field, demonstrated success in research, significant potential for attracting external research funding, and a strong commitment to excellence in teaching. While excellent candidates from all areas of computer

science will be considered, candidates in Programming Languages, Computational and Data Science, Database Systems, Information Security, and Operating Systems/Architecture are especially encouraged to apply.

The Department offers B.S., M.S., and Ph.D. degrees in Computer Science and has research strengths in parallel and distributed systems, high performance computing, computational and data science, machine learning, computer networking, cyber security, and algorithms. Research collaborations are encouraged and the department has strong connections to Argonne National Laboratory, Fermi National



Indiana University School of Informatics and Computing Faculty Positions in Intelligent Systems Engineering

The School of Informatics and Computing (SoIC) at Indiana University (IU) Bloomington invites applications for faculty positions in **Intelligent Systems Engineering**. Multiple positions are open at all levels (asst, assoc, or full). Cluster hires are encouraged as are interdisciplinary applications spanning the interests of SoIC and collaborating with IU units. Duties include teaching, research, and service.

The department of Intelligent Systems Engineering is an innovative new program that focuses on the engineering of systems of smaller-scale, often mobile devices that draw upon modern information technology techniques including intelligent systems, big data and user interface design. Its foundation also includes computer engineering, cyber-physical systems, sensor and detector technologies, signal processing, and information and control theory. **We intend to add about 20 new faculty over the next 4 years covering these areas as well as interdisciplinary thrusts in bioengineering, molecular and nanoscale engineering, environmental engineering and neuro-engineering with an interdisciplinary IT component.** The program will offer a BS and a PhD for students entering in fall 2016, while a future MS will be developed this fall. The program will draw upon IU Bloomington's considerable education and research strengths in biology, chemistry, computer science, environmental science, informatics, physics, network science, psychological and brain sciences, business and law. New faculty will have considerable opportunity and responsibility to shape the development of curricula and research. There will be a strong emphasis on world-class research, built around a few strong focused laboratories and proactively involving undergraduates. More information can be found at <https://www.engineering.indiana.edu/>. The department will be located in the new SoIC building which will be complete in about 30 months.

Interested candidates should review the application requirements and submit their application at: <http://indiana.peopleadmin.com/postings/1900>

For full consideration applications are due by 2/1/16 but earlier submission is encouraged.

Questions regarding the positions or application process can be directed to isechair@indiana.edu or Faculty Search, SoIC, 919 E 10th St, Bloomington, IN 47408.

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.

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Laboratory, and to local industry. Illinois Institute of Technology, located within 10 minutes of downtown Chicago, is a dynamic and innovative institution. The CS Department is in the middle of a successful and aggressive faculty recruiting plan.

Evaluation of applications will start on December 1st, 2015 and continue until the position(s) are filled. IIT is an equal opportunity/affirmative action employer. Women and Underrepresented Minorities are strongly encouraged to apply.

Applicants should apply online at:
<https://academicjobsonline.org/ajo/jobs/6452>

Indiana University

Department of Statistics

Faculty Position

The Department of Statistics in the College of Arts and Sciences at Indiana University invites applications for a faculty position in the area of data science at the rank of tenured associate or full 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 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



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

The [School of Informatics and Computing \(SoIC\)](#) at Indiana University Bloomington invites applications for faculty positions in **computer science, health informatics, and security informatics**. Positions are open at all levels (assistant, associate, or full professor). Duties include teaching, research, and service.

Computer science applications are especially encouraged in the areas of databases, machine learning, and systems (particularly cyber-physical systems, parallelism, and networks).

Health informatics applications are especially encouraged in the areas of patient-facing technologies, including but not limited to novel technologies used by patients outside the clinical setting.

Security informatics applications are welcome from information and computer scientists in a wide range of areas including but not limited to usable security, human-centered design, identity, social informatics of security, and design for privacy.

Applicants should have an established record (for senior level) or demonstrable potential for excellence (for junior level) in research and teaching, and a PhD in a relevant area or (for junior level) expected before 8/16.

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 Information and Library Science, with over 100 faculty, 900 graduate students, and 1500 undergraduate majors on the Bloomington Campus. It offers PhDs in Computer Science, Informatics, and Information Science.

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

All applicants should submit a CV, a statement of research and teaching, and names of 6 references (3 for junior level) using the links below (preferred) or to Faculty Search, SoIC, 919 E 10th St, Bloomington, IN 47408. Questions may be sent to hring@soic.indiana.edu. For full consideration applications are due by 12/1/15.

<http://indiana.peopleadmin.com/postings/1693> (computer science)
<http://indiana.peopleadmin.com/postings/1694> (health informatics)
<http://indiana.peopleadmin.com/postings/1695> (security informatics)

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

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 position is filled. Receipt of application by December 11, 2015, will ensure consideration for the 2016-2017 academic year.

Please apply electronically at PeopleAdmin: <http://indiana.peopleadmin.com/postings/1948>

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

The Indiana University School of Informatics and Computing - Indianapolis

Open Rank Tenure Track Faculty Position in Human-Centered Computing

The Indiana University School of Informatics and Computing – Indianapolis invites applications for one or more open-rank tenure-track faculty positions in the Department of Human-Centered Computing. The appointment will begin August 1, 2016 at the Indiana University–Purdue University Indianapolis (IUPUI) campus. Exceptional researchers are being sought to join our fast-growing department. Candidates must demonstrate an outstanding scholarly record

of research, exhibited by high-impact peer-reviewed publications and a forward-looking, vigorous research agenda that will secure competitive, external funding. While we are seeking candidates in all areas of Human-Centered Computing, we are particularly interested in those with strong research experience and a commitment to graduate and undergraduate teaching in the areas of Human-Computer Interaction (HCI) and Informatics. Topics of interest include (but are not limited to): accessibility, embodied interaction, interaction design, healthcare HCI, “big data” and visual analytics. By strengthening or complementing the faculty research in the department, the ideal candidates will use creative, innovative approaches and technologies to address fundamental HCI and informatics challenges with broader societal impact, and have the potential to leverage the strengths of the IUPUI campus, including its unique location in downtown Indianapolis, opportunities for civically-engaged research, interdisciplinary and collaborative environment and nationwide leadership in the health and life sciences. Highly-qualified candidates at all ranks will be considered.

Full description and application instructions available at <http://soic.iupui.edu/openings/hcc-tenure-track/>.

IUPUI is an Affirmative Action/Equal Opportunity Institution M/F/D/V.

Johns Hopkins University

Tenure-Track Faculty Positions

The Johns Hopkins University’s Department of Computer Science seeks applicants for tenure-track faculty positions at all levels and across all areas of computer science. Particular emphasis is at the junior level and in the areas of systems, distributed systems, networks and system security, however, all qualified applicants in all areas of computer science will be considered.

The Department of Computer Science has 25 full-time tenured and tenure-track faculty members, 8 research and 3 teaching faculty members, 130 PhD students, 130 MSE/MSSI and 216 undergraduate students. We have several affiliated research centers and institutes including Center for Language and Speech Processing, JHU Information Security Institute, Laboratory for Computational Sensing and Robotics, Institute for Data Intensive Engineering and Science, Engineering in Healthcare and more. More information about the Department of Computer Science can be found at www.cs.jhu.edu and about the Whiting School of Engineering at www.engineering.jhu.edu/about/. Qualifications and required materials can be found at <http://www.cs.jhu.edu/about/employment-opportunities/>.

Applicants should submit a curriculum vitae, a research statement, a teaching statement, three recent publications, and complete contact information for at least three references. Applications must be made on-line at <https://academicjobsonline.org/ajob/jobs/6431>. Review of applications will begin in December 2015. While candidates who complete their applications by December 15, 2015 will receive full consideration, the department will consider exceptional applicants at any time.

The Johns Hopkins University is committed to active recruitment of a diverse faculty and student body. The University 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. Consistent with the University’s goals of achieving excellence in all areas, we will assess the comprehensive qualifications of each applicant.

The Whiting School of Engineering and the Department of Computer Science are committed to building a diverse educational environment.

Professional Opportunities

Kansas State University

Department of Computing and Information Sciences

Instructor

The Department of Computing & Information Sciences at Kansas State University seeks applicants for Instructor with a Master's degree in Computer Science or a related field. Relevant industrial experience, teaching experience, or a PhD degree is preferred.

Go to <http://www.cis.ksu.edu/employment/faculty> for position description and application procedures or call 785-532-6350.

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.

Kansas State University

Multiple Tenure-Track Faculty in Cybersecurity (all ranks)

Computing and Information Sciences (CIS) at Kansas State University invites applications for multiple tenure-track positions in cybersecurity at all levels (Assistant, Associate, or Full), beginning Fall 2016. While the focus is on systems-oriented security, significant intersection with one or more of the following fields is a plus: cyber-physical systems, language-based security, system and critical infrastructure verification, mobile and ubiquitous computing, bio-security and human-computer interaction. Outstanding candidates will be considered for endowed positions.

For details see <http://www.cis.ksu.edu/node/3139>.

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.

Landmark College

New Faculty Members

Our Department of Computer Science is growing and looking for innovative, energetic, new faculty members.

Landmark College, the nation's premier institution for students who learn differently, including those with dyslexia, attention deficit disorders, ASD, and gifted LD, is accepting applications for a full time, non-tenure track, Assistant Professor in Computer Science.

For additional information, see the full posting at: <http://www.landmark.edu/campus-life/campus-offices/human-resources/employment-opportunities>

Lehigh University

Department of Computer Science and Engineering

Multiple Tenure-Track Positions

Lehigh is recruiting for four new tenure-track faculty positions in Computer Science and Engineering to start in August 2016 as part of its recently announced Data X strategic initiative. Applications are invited for (1) one position in core computer systems; (2) one position in data-rich consumer analytics; (3) one position in large-scale digital media production, distribution, and analysis; and (4) one position in connected health. The first of these is at open rank, while the other three positions are at the Assistant Professor level. Outstanding candidates at all ranks and in all areas of computer science and engineering will be considered. See <http://www.cse.lehigh.edu> for further details on the CSE Department, and <http://www.lehigh.edu/datx> for details on the interdisciplinary Data X initiative.

Successful applicants will hold a Ph.D. in Computer Science, Computer Engineering, or a closely related field. Candidates must demonstrate a strong commitment to quality undergraduate and graduate education,

and the potential to develop and conduct high-impact research programs with external support. Applicants should have an interest in teaching core courses in computer science, interdisciplinary Data X courses, and courses in their own research areas.

The faculty of the Computer Science and Engineering Department maintains an outstanding international reputation in a variety of research areas, and includes ACM and IEEE fellows as well as six NSF CAREER award winners.

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. 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 small town lifestyles.

Applications can be submitted at Academic Jobs Online (<https://academicjobsonline.org/ajo/Lehigh/CSE>) and should include a cover letter, vita, both teaching and research statements, and contact information for at least three references. Review of applications will begin in November 2015 and will continue until the positions are filled.

Lehigh University is an affirmative action/equal opportunity employer and does not discriminate on the basis of age, color, disability, gender, gender identity, genetic information, marital status, national or ethnic origin, race, religion, sexual orientation, or veteran status. Lehigh is a 2010 recipient of an NSF ADVANCE Institutional Transformation Grant for promoting the careers of women in academic science and engineering. The University provides comprehensive benefits including domestic partner benefits (see also <http://www.lehigh.edu/worklifebalance/>). Lehigh Valley Inter-regional Networking & Connecting (LINC) is a newly created regional network of diverse organizations designed to assist new hires with dual

Professional Opportunities

career, community and cultural transition needs; please contact infdcap@lehigh.edu for more information. Questions concerning this search may be sent to faculty-search@cse.lehigh.edu.

Marshall University

College of Information Technology and Engineering

Professor and Chair in the Weisberg Division of Computer Science

The College of Information Technology and Engineering at Marshall University invites applications for a Division Chair of the Weisberg Division of Computer Science. The start date for the position is January 1, 2015.

Position Type: The position is a full-time, nine-month, tenure-track. Salary is commensurate with qualifications and experience.

Qualifications: Applicants must have Ph.D. degree in Computer Science. Strong evidence of leadership and administrative capabilities along with ability to manage and lead accreditation activities, and experience with the ABET accreditation process, is required. A successful record of teaching in undergraduate and graduate computer science courses is required. The candidate should have a clear vision regarding computer science education, strong communication skills, and experience with collaborative projects and consensus building. The candidate must be an effective leader, an accomplished and enthusiastic teacher, researcher and scholar, and have abroad view of the present and future of computer science. The candidate must have the ability to contribute to Marshall University's commitment to cultural diversity and pluralism. Research experience in an area that complements existing initiatives of the Division is preferred. Industrial experience is advantageous.

Duties: In addition to teaching undergraduate and graduate courses, the successful applicant will report to the Dean of the College of Information Technology and Engineering and will contribute to the following: preparation for and compliance with ABET accreditation criteria, management of continuous improvement process, preparation of related reports, and leadership of other accreditation-related activities; development of new curricula and programs of study; continued expansion off the Division faculty to support new areas of emphases; interaction with constituency groups such as regional employers and Advisory Board; development of a cooperative education program; participating in fundraising activities; and other related administrative duties as required. The successful candidate will also support the University's general education curriculum, with its emphasis on a common First-Year Seminar and core curriculum courses that enhance student's critical thinking skills and the College's support of interdisciplinary programs of study.

Background: The Weisberg Division of Science offers a BS and MS in Computer Science degrees and an M.S. Information Systems degree. The Division is housed in the College of Information Technology and Engineering (CITE), a multi-disciplinary college with a wide range of faculty expertise and interests. A new building, the Weisberg Family Applied Engineering Complex opened officially August 13, 2015. An engineering laboratory facility was opened in the fall of 2008. More information can be found at www.marshall.edu/CITE.

Application Procedure: Submit a letter detailing qualifications, curriculum vitae, the names and contact information (phone number and email) of three professional references in one PDF file referencing MU227F to: recruiting@marshall.edu. Candidates interviewing on campus must have all official transcripts (undergraduate and graduate)

forwarded directly to Search Committee for Chair of Computer Science, College of Information Technology and Engineering, Weisberg Applied Engineering Complex, 3201A, Marshall University, 1676 3rd Ave., Huntington, WV 25755-2921 prior to their interview.

Application Deadline: Position is open until filled; review of applications will begin October 15, 2015.

Background Check: Required

Max Planck Institute

Tenure-track openings

Applications are invited for tenure-track faculty positions in all areas related to the theory and practice of software systems, including security and privacy, embedded and mobile systems, computational social science, legal, economic, and social aspects of computing, NLP, machine learning, information and knowledge management, programming languages, verification, parallel and distributed 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 sciences, technology, and the humanities. The institute offers a unique environment that combines the best aspects of a university department and a research laboratory: 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; they supervise doctoral theses, and have the opportunity to teach graduate and undergraduate courses.

Professional Opportunities

The institute offers outstanding technical infrastructure and administrative support, as well as internationally competitive compensation.

The institute is located in Kaiserslautern and Saarbruecken, in the tri-border area of Germany, France and Luxembourg. We maintain an international and diverse work environment and seek applications from outstanding researchers worldwide. The working language is English; knowledge of the German language is not required for a successful career at the institute.

Qualified candidates should apply at "<https://apply.mpi-sws.org/>". To receive full consideration, applications should be received by December 15, 2015.

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 upon a successful tenure evaluation in the sixth year.

Miami University

*Assistant or Associate Professor
(three positions)*

Computer Science and Software Engineering: Assistant or Associate Professor (three positions), beginning fall 2016 to provide undergraduate and graduate teaching; advise students and supervise student research; establish a strong research program; provide service to the institution.

Required: Earned doctorate in computer science, software engineering, computer engineering or a related field (completed by December 31, 2016 for re-appointment to a second year); ability to teach courses in computer science or software engineering.

cra.org/crn

To be appointed to the rank of associate professor, the successful candidate must have an established record of high quality teaching and scholarship/research, with scholarly publications related to specified areas.

Strong candidates will have research experience in the areas of computer science or software engineering, and experience teaching in higher education.

Submit: cover letter, cv, list of three references, statement of research plans, teaching philosophy to <https://miamioh.hiretouch.com/job-details?jobID=1889>.

Inquiries about the position can be directed to: Dr. Michael Zmuda at cse.search@miamioh.edu.

Review of applications will begin on December 1, 2015 and continues until positions are filled.

Miami University, an E0/AA employer encourages applications from minorities, women, protected veterans and individuals with disabilities. Miami does not permit, and takes action to prevent, harassment, discrimination and retaliation. Requests for reasonable accommodations for disabilities should be directed to Ms. Mary Jane Leveline at (513) 529-2027. Annual Security and Fire Safety Report may be found at: <http://www.MiamiOH.edu/campus-safety/annual-report/index.html>. Criminal background check required. All campuses are smoke- and tobacco-free.

Michigan Technological University

*Department of Computer Science
Tenure-Track Faculty Position*

Applications are invited for a tenure-track faculty position at the Assistant/Associate Professor level beginning August 2016. Candidates are expected to have a Ph.D. in Computer Science or a closely related field

and to demonstrate potential for excellence in teaching and research. We seek applicants who can play a role in furthering one or both of the following focus areas: big data or cybersecurity.

The Department has 400 undergraduates in two degree programs (Computer Science and Software Engineering) and 45 M.S. and Ph.D. students. Faculty research interests include architecture, artificial intelligence, cloud computing, cybersecurity, data science, distributed systems, embedded and multimedia systems, graphics & visualization, human computer interaction, machine learning, software engineering, virtual environments, and wireless networks. In addition, the Department is a member of the Alliance for Computing, Information & Automation and participates in several interdisciplinary initiatives, including the M.S. in Data Science graduate degree program. The Department has submitted a proposal to establish a M.S. program in Cybersecurity, and expects to start the program in fall 2016.

Michigan Technological University, a state research university in Houghton, MI, with approximately 7,275 students and 400 faculty, has educational and research programs in computing, engineering, physical and social sciences, forestry, humanities, and business. Michigan Tech is located in Michigan's scenic Upper Peninsula and is surrounded by Lake Superior and nearby forests. The community offers year-round recreational and cultural opportunities.

Application Instructions

Applications for the position should be submitted online at: <http://www.jobs.mtu.edu/postings/3622>

Application materials include a cover letter, curriculum vitae, teaching statement, research statement, and a list of at least three references. The review of applications will begin November 9, 2015; applications will be accepted until the position is filled.

Professional Opportunities

Michigan Technological University is an ADVANCE institution, one of a select group of universities in receipt of NSF funds in support of our commitment to increase diversity and the participation and advancement of women in STEM.

Michigan Technological University acknowledges the importance of supporting dual career partners in attracting and retaining a quality workforce. See www.dual.mtu.edu for additional information.

Michigan Technological University is an equal opportunity educational institution/ equal opportunity employer, which includes providing equal opportunity for protected veterans and individuals with disability.

Mississippi State University

Department of Computer Science and Engineering

Professor and Head

Applications and nominations are being sought for the Professor and Head of the Department of Computer Science and Engineering (www.cse.msstate.edu) at Mississippi State University. The Head is responsible for the overall administration of the department and this is a 12-month tenured position.

The successful Head will provide:

- Vision and leadership for nationally recognized computing education and research programs
- Exceptional academic and administrative skills
- A strong commitment to faculty recruitment and development
- A strong commitment to promoting diversity

Applicants must have a Ph.D. in computer science, software engineering, computer engineering, or a closely related field. The successful candidate must have earned national recognition by a distinguished

record of accomplishments in computer science education and research.

Demonstrated administrative experience is desired, as is teaching experience at both the undergraduate and graduate levels. The successful candidate must qualify for the rank of professor.

Applicants must apply online at www.jobs.msstate.edu (PARF#9306) by completing the Personal Data Information Form and submitting a cover letter outlining your experience and vision for this position, a curriculum vitae, and the names and contact information of at least three professional references.

Screening of candidates will begin January 15, 2016 and will continue until the position is filled. MSU is an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, ethnicity, sex (including pregnancy and gender identity), national origin, disability status, age, sexual orientation, genetic information, protected veteran status, or any other characteristic protected by law. We always welcome nominations and applications from women, members of any minority group, and others who share our passion for building a diverse community that reflects the diversity in our student population.

Please direct any questions to Dr. Jonathan Pote, Search Committee Chair (662) 325-3280 or jpote@abe.msstate.edu.

Mississippi State University

Faculty Positions in Computer Science and Engineering

The Department of Computer Science and Engineering (<http://www.cse.msstate.edu>) is seeking to fill one open position for a tenure-track faculty member at the Assistant/Associate Professor level. The primary areas of interest for this position is software engineering and computer security,

however exceptional candidates in all areas will be considered.

Mississippi State University is a comprehensive land-grant institution with approximately 20,000 students and about 1,300 faculty members. The Department of Computer Science and Engineering has 16 tenure-track faculty positions and offers academic programs leading to the bachelor's, master's and doctoral degrees in computer science and bachelor's degrees in software engineering and computer engineering. Faculty members and graduate students work with a number of on-campus research centers. Research expenditures total about \$5.2 million dollars annually and the university as a whole is ranked 72nd among U.S. institutions in computer science expenditures.

Candidates for this position are expected to hold a PhD in computer science or closely related field (ABDs may be considered). Level of appointment is commensurate with qualifications and experience. The preferred candidate will have an established research record as demonstrated by significant publications beyond dissertation or research grants in relevant areas. Experience in teaching university courses in computer science is also preferred.

Applicants must apply on-line <http://www.jobs.msstate.edu/> (PARF 9253) and complete a Personal Data Information Form. A letter of application, curriculum vita, teaching and research statements, and names and contact information of at least three references must also be submitted. Review of applications will begin as early as November 2015 and will continue until the position is filled.

MSU is an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, ethnicity, sex (including pregnancy and gender identity), national origin, disability status, age, sexual

Professional Opportunities

orientation, genetic information, protected veteran status, or any other characteristic protected by law. We always welcome nominations and applications from women, members of any minority group, and others who share our passion for building a diverse community that reflects the diversity in our student population.

National Science Foundation, Arlington, VA

*Division of Computer and Network Systems
Division Director*

NSF's Directorate for Computer and Information Science and Engineering (CISE) is seeking a candidate for its Division Director, Division of Computer and Network Systems (CNS). CNS is responsible for programs with a total annual budget of approximately \$201 million. CNS supports research and education activities that invent new computing and network technologies and that explore new way to make use of existing technologies. Information about the Division's activities may be found at <http://www.nsf.gov/home/cise/cns>.

Appointment to Senior Executive Service (SES) position may be on a 1 to 3 year SES limited term basis, with a salary range of \$158,700 to \$178,000 or on an Intergovernmental Personnel Act (IPA) assignment. Announcement CNS-2015-0002, with position requirements and application procedures, is located at: <https://www.usajobs.gov/GetJob/ViewDetails/414827000> or can be obtained by contacting the Executive Personnel Staff, 703-292-4376 (Hearing impaired individuals may call TDD 703-292-5090). Deadline for receipt of applications is December 2, 2015.

NSF is an equal opportunity employer committed to employing a highly qualified staff that reflects the diversity of our nation.

New York University

*Department of Linguistics and the Center for
Data Science - Arts and Science*

Assistant Professor

The Department of Linguistics and the Center for Data Science at New York University seek an assistant professor to fill a tenure-track position in natural language processing, beginning September 1, 2016, pending administrative and budgetary approval. We are looking for outstanding applicants with demonstrated excellence in teaching and an active research program that uses quantitative, computational methods and other digital technologies to address substantive questions about natural language.

The successful candidate will be expected to engage collaboratively with the faculty in both the Linguistics department and the Center for Data Science. Responsibilities include teaching in both the CDS and the Department of Linguistics at the undergraduate, masters, and PhD level, as well as supervising student research.

*Review of applications will begin on
December 1, 2015.* To apply, see the NYU Department of Linguistics web site at <http://linguistics.as.nyu.edu/page/home>. Instructions for electronic submission of documents can be found under the link 'Employment'. Applicants should submit an application including a description of their research program; a teaching statement; curriculum vitae; work samples, and three references.

For further information about this position, please contact Professor Chris Barker chris.barker@nyu.edu.

EOE/Minorities/Females/Vet/Disabled

New York University/ Courant Institute of Mathematical Sciences

*Department of Computer Science
Faculty Position*

The department expects to have several regular faculty positions beginning in September 2016 and invites candidates at all levels. We will consider outstanding candidates in any area of computer science.

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

The department has 35 regular faculty members and several clinical, research, adjunct, and visiting faculty members. The department's current research interests include algorithms, cryptography and theory; computational biology; distributed computing and networking; graphics, vision and multimedia; machine learning 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, 2015; however, this is not a hard deadline, as all candidates will be considered to the full extent feasible, until

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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, 2016.

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 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 (25 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, 2015. Applicants should submit the following materials online at <http://jobs.ncsu.edu> (reference position number 00001096) 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.

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 University

Assistant/Associate/Full Professor

Position Summary

The College of Computer and Information Science invites applications for at least five tenure-track faculty positions, beginning in Fall 2016. Applicants at all ranks will be considered.

Candidates will be considered from all areas in Computer and Information Science. 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 by the start date.

Additional Information

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 51, and offers a broad array of educational opportunities to students. Since 2010, the College has hired 33 outstanding faculty members, and plans to continue this strategic growth in the coming years. In addition to Bachelor's, Master's, and PhD programs in the computing discipline, the College offers several innovative undergraduate and graduate degree programs that combine computing with an important application domain. Fifteen faculty members have joint appointments with other academic departments, including Electrical and Computer Engineering, Art and Design, Health Sciences, Physics, Political Science and Business. A particular focus in the next three years is to grow the faculty, research and PhD program.

Northeastern University is home to 33,000 full- and part-time degree 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

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areas. For more information about the College, please visit <http://www.ccs.neu.edu>.

Northeastern University is located on the Avenue of the Arts in Boston's historic Back Bay. The College occupies a state of the art building opposite Boston's Museum of Fine Arts.

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

Screening of applications begins immediately. For full consideration, application materials should be received by December 1, 2015. However, applications will be accepted until the search is completed.

Northeastern University is an Equal Opportunity, Affirmative Action Educational Institution and Employer. Title IX University. 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 the law. Northeastern University is an E-Verify Employer.

Northwestern University

*Department of Communication Studies
Teams and Organizations; Media Industries;
and Computation and Communication*

The Department of Communication Studies at Northwestern University seeks to hire for three faculty members in the areas of Teams and Organizations; Media Industries; and Computation and Communication. Candidates should apply for only one of these positions. The appointments will begin on September 1, 2016. The successful candidates will be expected to develop a strong program of scholarly research; contribute directly to undergraduate and graduate instruction in the department; and perform service. Salary will be commensurate with experience.

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 (<https://www.communication.northwestern.edu/departments/communicationstudies/programs.php>). 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.

a. Teams and Organizations (Search No. 26378)

Assistant or Associate Professor position for candidates with an interest in teams and organizations. We are particularly interested in candidates with expertise in team dynamics, collaboration and collaboration technologies, and managing innovative team designs (i.e., ad hoc teams, globally distributed teams, multiteam systems). In addition, we are interested in candidates who will complement the department's existing expertise in technology-enabled organizational forms and networks. In addition to general research, teaching and service expectations stated above, the successful candidate will also be expected to play a substantive role in the Master of Science in Communication program (msc.northwestern.edu). Review of applications will begin on October 15, 2015 and will continue to be accepted until the position is filled. Candidates should send a letter of application, CV, publication samples, evidence of teaching effectiveness, and three letters of reference to Professor Michelle Shumate, at TeamsFacultySearch2015@northwestern.edu. Search Chair: Michelle Shumate, Department of Communication Studies,

Northwestern University, 2240 Campus Drive, Evanston, IL 60208, USA.

b. Media Industries (Search No. 26377)

Assistant, Associate or Full Professor position for candidates with an interest in media industries. 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 innovation; regulation and policy; and media history. In addition to general research, teaching and service expectations stated above, the successful candidate will also be expected to play a substantive role in the development of the Master of Science in Leadership for Creative Enterprises program (creative.northwestern.edu). Relevant work experience in the creative sector is preferred. Review of applications will begin on October 15, 2015, and will continue until the position is filled. 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 MIFacultySearch2015@northwestern.edu. Search Chair: Pablo J. Boczkowski, Department of Communication Studies, Northwestern University, 2240 Campus Drive, Evanston, IL 60208, USA.

c. Computation and Communication (Search No. 26439)

Assistant or Associate Professor Position for candidates with an interest in computation and communication. We are particularly interested in candidates with expertise in areas of human-computer interaction, social computing, social media, collective intelligence, crowdsourcing, and online collaboration. In addition, we are interested in candidates who will complement the department's existing interdisciplinary

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ties in areas of computation, social behavior, technology, and design. In addition to general research, teaching and service expectations stated above, the successful candidate will also be expected to develop a strong program of scholarly and innovative research with potential to attract external funding. Review of applications will begin November 1, 2015 and applications will continue to be accepted until the position is filled. Candidates should send a letter of application, CV, publication samples, evidence of teaching effectiveness, and three letters of reference to Professor Darren Gergle, at ComputationFacultySearch2015@northwestern.edu. Search Chair: Darren Gergle, Department of Communication Studies, Northwestern University, 2240 Campus Drive, Evanston, IL 60208, USA.

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

NYU Shanghai

Faculty Position

Data Science

NYU Shanghai is currently inviting applications for one position, preferably but not exclusively at the Assistant Professor level, for outstanding candidates having demonstrated abilities in both research and teaching in the areas of databases, data mining, and machine learning. We are particularly interested in candidates with a Ph.D. in Computer Science, Electrical Engineering, or Statistics (or related field) who have experience in working with real large data sets (e.g., urban, medical, biological, etc.) in cooperation with domain scientists, but also have a track record in advancing fundamental data science methodology. Thus we expect publications in both domain journals (e.g., Cell for computational biologists) and prominent

computer science conferences/journals (e.g., SIGMOD, VLDB, KDD, NIPS).

When discussing their teaching experience, candidates should identify courses they could teach both within and outside their specialty. We expect a high degree of English fluency and clarity of articulation, since for many students who attend NYU Shanghai, English is not their native language. We consider the desire and ability to teach to be as important as research promise.

Candidates must have completed a Ph.D. or equivalent by the time of appointment. The search will remain open until the position is filled, but review of applications will begin January 31, 2016. The appointment could

begin as soon as September 1, 2016, pending administrative and budgetary approval, or could be delayed until September 1, 2017. The terms of employment in NYU Shanghai are comparable to U.S. institutions. Faculty may also spend time at NYU New York and other sites of the global network, engaging in both research and teaching opportunities.

Applicants should submit curriculum vitae, a statement of research and teaching interests, electronic copies of up to five recent relevant publications, and the names and addresses of three or more individuals willing to provide letters of reference. Please visit our website at <http://shanghai.nyu.edu/about/open-positions-faculty> for instructions



Multiple Tenure-Track or Tenured Faculty Positions in Computer Science

The Department of Computer Science at National University of Singapore (NUS) invites applications for several tenure-track or tenured faculty positions. We have positions dedicated to cyber security or big data analytics as well as positions open to all areas of computer science. While our main focus is on the assistant professor level, we also welcome exceptional candidates at the associate and full professor levels. For applications at the assistant professor level, candidates should demonstrate excellent research potential and a strong commitment to teaching. Candidates at more senior levels should have an established record of outstanding research achievements.

The Department of Computer Science at NUS is highly ranked internationally. It enjoys ample research funding, moderate teaching load, excellent facilities, and extensive international collaborations. The department covers all major research areas in computer science and boasts a thriving PhD program that attracts the brightest students from the region and beyond. More information is available at <http://www.comp.nus.edu.sg/>.

NUS offers highly competitive salaries and is situated in Singapore, an English-speaking cosmopolitan city and a meeting point of many cultures, both the east and the west. Singapore offers high-quality education, healthcare, and extremely low tax rates.

Interested candidates are invited to send, via electronic submission, the following materials to the Chair of the CS Faculty Search Committee, Prof. David Hsu, at csrec@comp.nus.edu.sg:

- A cover letter that clearly indicates main research interests
- Curriculum Vitae
- A teaching statement
- A research statement

Please arrange for

- at least 3 references

to be sent directly to the same e-mail address or provide the contact information.

Application review will commence on October 1, 2015 and continue until the positions are filled. To ensure maximal consideration, please submit your application by December 15, 2015.

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and other information on how to apply. If you have any questions, please e-mail shanghai.engineering.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

Oakland University

Computer Science and Engineering Department

Tenure-track Assistant Professor Position

The Department of Computer Science and Engineering has an immediate need to fill one tenure-track position in computer science and information technology by August 15, 2016. We are seeking candidates at the assistant professor level. Applicants must have completed a Ph.D. in Computer Science, Information Technology, or a closely related field by the appointment date. Candidates must show exceptional promise

in both research and teaching. The desired area of research is cyber security, including network security, software security, and web applications security. Strong applicants in other areas such as computer gaming, mobile computing, and cloud computing will also be considered.

The department of Computer Science and Engineering is currently offering B.Sc. Degrees in Computer Science and in Information Technology, M.Sc. degrees in Computer Science and in Software Engineering and Information Technology, and a Ph.D. in Computer Science and Informatics. For more information about the department and Oakland University, please visit the respective homepages at <http://www.cse.secs.oakland.edu> and <http://www.oakland.edu/>.

Applications should be submitted by November 16, 2015 for full consideration. Applicants should upload a letter of intent, a statement of research, a statement of teaching, resume, and information of three references at <http://academicjobs.oakland.edu/postings/6262>. The teaching statement should include a list of undergraduate and graduate courses that the applicant will be willing to teach as well as outlines of two courses that the applicant would like to introduce. Information about the current courses offered by the department can be found at <http://wwwp.oakland.edu/secs/departments/computer-science-and-engineering/>.

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

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

in the Fall of 2016 with a specialization in Machine Learning or a related area.

For additional information or to apply, see the full posting at: <http://jobs.oberlin.edu/postings/37>

Ohio State University

Multiple Tenure-Track Positions

The Computer Science and Engineering Department at The Ohio State University seeks to fill multiple tenure-track positions at the assistant professor level. We are particularly interested in recruiting in the following areas: cybersecurity, machine learning, distributed systems & cloud computing, and data management.

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

Some of these positions are partially funded by the university-wide Discovery Themes Initiative, a significant investment in key thematic areas, including the Data Analytics Collaborative which will establish a singular presence in data analytics at Ohio State. The university is also responsive to dual-career families and strongly promotes work-life balance through a suite of institutionalized policies.

Applicants should hold or be completing a PhD in computer science & engineering or a closely related field, have a commitment to and demonstrated record of excellence in research, and a commitment to excellence in teaching.

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

Review of applications will begin in December and will continue until the positions are filled.

The Ohio State University is an Equal Opportunity/Affirmative Action Employer.

Professional Opportunities

Ohio University

*School of Electrical Engineering and
Computer Science*

*Lecturer (Lecturer/Associate Lecturer/
Senior Lecturer)*

The School of Electrical Engineering and Computer Science in the Russ College of Engineering and Technology at Ohio University is currently inviting applications for the full-time, benefits eligible position of Lecturer (Lecturer/Associate Lecturer/Senior

Lecturer) in Electrical Engineering to begin on January 1, 2016.

Primary job responsibilities involve teaching undergraduate-level courses in Electrical Engineering and committee or other service work.

Job responsibilities may include teaching more advanced courses in Electrical Engineering or student advising, depending on the current needs of the School.

Minimum qualifications for this position are an earned Master's or Ph.D. degree from a regionally accredited university in Electrical Engineering or a similarly named discipline by time of appointment.

Preferred qualifications for this position are a dedication to and demonstrated excellence in undergraduate education in Electrical Engineering.

This position is faculty non-tenure track under Group II category.

Further details concerning the rights and responsibilities of Group II faculty at Ohio University can be found in the Faculty Handbook: <http://www.ohio.edu/facultysenate/handbook/>

To apply, please complete the online application (<https://www.ohiouniversityjobs.com/postings/16186>) and attach the required documents. Incomplete applications or applications submitted by other means (e.g. email) will not be reviewed.

For full consideration, please apply by November 15, 2015.

Oklahoma State University

Tenure-track Assistant Professor Position

Applications are invited for a tenure-track Assistant Professor position.

The term of appointment will start from August 15, 2016. The position is contingent upon availability of funds.

The Oklahoma State University (OSU) Computer Science Department is seeking applications from qualified candidates with teaching and research experience 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 field is required.

The position is for the main OSU campus in Stillwater; however, duties may be assigned to the OSU-Stillwater campus, the OSU satellite campus in Tulsa, or both.

Oregon State UNIVERSITY | College of Engineering

Tenure-Track Position in Data Science and Engineering

The School of Electrical Engineering and Computer Science at Oregon State University invites applications for one or more full time nine-month tenure-track faculty positions in the area of data science and engineering broadly construed. Subareas of interest include (but are not limited to) databases and data management, visualization and visual analytics, security, data mining, and signal processing for big data. The appointments are anticipated at the Assistant Professor rank, but exceptionally strong candidates may be considered at the rank of Associate Professor or Professor.

A Ph.D. in Computer Science, Electrical and Computer Engineering, or related field is required by the start of employment. Duties include teaching undergraduate and graduate courses, conducting research in the area of interest, securing research funding, and service. Candidates should show evidence of strong research promise, potential for developing an externally funded research program, and commitment to quality advising and teaching at the graduate and undergraduate levels. Applicants should demonstrate a strong commitment to collaboration with other research groups in the School of EECS, with other departments at Oregon State University, and outside the university. Applicants who are women or under-represented minorities are strongly encouraged to apply.

The school of EECS emphasizes a culture of collegiality and excellence in both research and education. With 56 tenured/tenure-track faculty, we enroll 200 PhD, 250 MS and 2,800 undergraduate students. Oregon State University is located in Corvallis, a college town renowned for its high quality of life. For full consideration, apply online by Feb 15, 2016 with a letter of interest; vita; two-page statement of research interests; one-page statement of teaching interests; one-page statement of philosophy toward equity, inclusion and diversity; and names and contact information for at least three references. For more information, visit eecs.oregonstate.edu/jobs.

Professional Opportunities

The OSU Computer Science Department (<http://www.cs.okstate.edu/>)

is strongly committed to 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 70 graduate students enrolled in the Department.

To apply, visit: http://cs.okstate.edu/Faculty_Search-2016-2017

For full consideration, applications should be received by November 30, 2015; however, applications will be considered until the position has been filled.

Oklahoma State University is an AA/EO/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, sexual orientation, gender identity, national origin, disability, or protected veteran status. OSU is a VEVRAA Federal Contractor and desires priority referrals of protected veterans for its openings. OSU-Stillwater is a tobacco-free campus.

Oregon State UNIVERSITY | College of Engineering

Tenure-Track Faculty Positions in Robotics

The Oregon State University Robotics program seeks applications for full-time faculty positions to support our M.S. and Ph.D. programs in Robotics (<http://robotics.oregonstate.edu>). All areas of robotics will be considered. Appointments are anticipated at the Assistant Professor rank, but exceptionally strong candidates may be considered at the rank of Associate Professor or Professor. The successful candidates will have office and laboratory space physically located with the existing Robotics group, and will have an administrative home most appropriate to their area of expertise within the College of Engineering. As a Land/Sea/Air/Space grant institution, with strong ties to oceanography and the NOAA fleet, as well as hosting an FAA UAV test site, there are many opportunities to collaborate across disciplines and utilize Robotics as an enabling technology.

Candidates should hold a Ph.D. in degrees in robotics, mechanical engineering, electrical and computer engineering, computer science, or other robotics-related disciplines by the start of employment, and have a demonstrated record of scholarship. We particularly welcome candidates with a proven record of working with robots in real environments. Duties include teaching undergraduate and graduate courses, conducting research, securing research funding, and service. Candidates should show evidence of strong research promise, potential for developing an externally-funded research program, and commitment to quality advising and teaching at the graduate and undergraduate levels. Applicants who are women or underrepresented minorities are strongly encouraged to apply.

Oregon State University is located in Corvallis, a college town renowned for its high quality of life. For full consideration, apply online by Feb 15, 2016 with a letter of interest; vita; two-page statement of research interests; one-page statement of teaching interests; one-page statement of philosophy toward equity, inclusion and diversity; and names and contact information for at least three references.

More information, including a complete position description is available at <http://robotics.oregonstate.edu/jobs>.

Old Dominion University

*Department of Computer Science
Chair*

Old Dominion University invites applications for the position of Chair of the Department of Computer Science in the College of Sciences. We seek an internationally recognized scholar with demonstrated excellence in research and teaching, substantial and consistent peer-reviewed research grant funding, and a strong commitment to educational programs at the undergraduate and graduate level. The successful candidate will have a Ph.D. in Computer Science or a related discipline, will provide leadership to further enhance the Department's excellent research and educational programs, and will have a strong commitment to mentoring junior faculty and postdoctoral fellows, and to teaching graduate and undergraduate students. The appointment will be at the rank of Professor with tenure, with a competitive salary. Current research areas span a wide range, with established strengths in areas including big data, bioinformatics, digital libraries and web science, high-performance computing, medical image computing, mobile and sensor networks and a rapidly expanding interdisciplinary program in cybersecurity (see <http://www.cs.odu.edu> for more information).

Professional Opportunities

The Department of Computer Science has 16 tenured or tenure-track faculty, 6 lecturers, and 6 adjunct faculty. The faculty has research grant support from NSF, NIH, NASA, DoD, and other agencies and ranks in the top 25% in terms of R&D expenditures among Computer Science departments. The Department Sciences receives substantial support from state funds, from research grants from federal and other agencies and from endowment income funds. A vibrant

graduate program includes 145 graduate students (45 Ph.D. and 100 M.S.) and the undergraduate program has more than 600 majors. Excellent collaborative research opportunities are available at nearby NASA Langley Research Center, Thomas Jefferson National Accelerator Facility, National Institute of Aeronautics, Eastern Virginia Medical School, and the Virginia Modeling Analysis and Simulation Center.

Located in Norfolk, Virginia, Old Dominion University (www.odu.edu) is a state supported, Carnegie Doctoral/Research Extensive institution with approximately 25,000 students and over 830 full-time faculty. Norfolk is a culturally rich, historic city and a major international maritime center in Hampton Roads, a seven-city metropolitan area of over 1.5 million people.

Interested candidates should submit a curriculum vitae, a letter of interest addressing the qualifications noted above, and contact information for four professional references to Dr. Lawrence Weinstein, Computer Science Search Committee Chair at <https://jobs.odu.edu/> The review of applications will begin October 31, 2015 and continue until the position is filled.

Old Dominion University is an equal opportunity, affirmative action institution. Minorities, women, veterans and individuals with disabilities are strongly encouraged to apply.

Oregon State University

Postdoc: Theory and Algorithms for Anomaly Detection

Tom Dietterich and Alan Fern seek a postdoc for fundamental research on anomaly detection. We are exploring several techniques: robust density estimation, isolation, and distance-based. Our goal is to develop a learning theory of anomaly detection and practical algorithms that embody that theory.

We are applying anomaly detection algorithms to three challenging problems:

- Automated data cleaning for the TAHMO project (www.tahmo.org), which is deploying a large network of weather stations across sub-Saharan Africa.
- Improving the robustness of machine learning in open worlds.
- Cyber-security

PENNSYLVANIA STATE UNIVERSITY



Director

The College of Engineering at The Pennsylvania State University invites nominations and applications for the position of Director of the School of Electrical Engineering and Computer Science.

The School houses the Electrical Engineering Department and the Computer Science and Engineering Department. The College seeks an individual who will provide innovative and energetic leadership with effective administrative skills and a strong commitment to higher education. The Director will lead two Department Heads in administering the School, and will be a member of the College of Engineering Leadership Team. An ideal candidate will have the vision, energy, and experience to continue the process of integrating the two highly ranked departments into an agile, intellectually broad school, and brand the new school and establish its footprint in learning, discovery and service to the technical community and society. The candidate should have a widely recognized reputation in Electrical or Computer Engineering, Computer Science, or experience in related fields. An earned doctorate is required. Established in 1893, the Department of Electrical Engineering is among the largest, oldest and the most innovative in the nation. Approximately 550 undergraduate students and 220 graduate students are enrolled in the department, which has 40 faculty. The Department offers BS, MS, MEng and PhD degrees in electrical engineering. The Department of Computer Science and Engineering was created in 1993 with the merger of the Computer Engineering Program and the Computer Science Department. The department offers B.S. degrees in both computer engineering and computer science, and M.S., MEng, and Ph.D. degrees in computer science and engineering. There are approximately 550 undergraduate students and 150 graduate students enrolled in the department, with 43 faculty members. There are a number of unique research facilities associated with the School of Electrical Engineering and Computer Science. In recent years, our faculty received \$35M Network Science Center Award, a \$48M Collaborative Research Alliance for the Science of Security, a \$10M NSF Expeditions in Computing Award, a \$5M Dow Chemical Award for Flexible Electronics and a \$2.9 M DOE ARPA-E Award for Solar Cell Research. Growth is planned in core areas as well as numerous interdisciplinary areas. These key areas are strongly supported by the University through the Institute for Cyber Science, the Huck Institutes of the Life Sciences, the Materials Research Institute, the Penn State Institutes of Energy and the Environment, and the Applied Research Laboratory. Nominations and applications will be considered until the position is filled. Candidates from academia, industry or government agencies are encouraged to apply. Screening of applicants will begin on November 1, 2015 and it is intended that the position be filled by the beginning of the 2016/17 academic year. Applicants should submit a statement of professional interests, a curriculum vita, and the names and addresses of four references. Please submit these three items in one pdf file electronically to <http://apptrkr.com/677385>. Applications will be treated with the strictest confidence. Inquiries can be made to Thomas La Porta via e-mail to tlp@cse.psu.edu or by phone at: 814-865-6725.

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 all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.

Professional Opportunities

Send your application to Tom Dietterich (tgd@cs.orst.edu) consisting of (a) CV, (b) names and contact information for 3 references, (c) a statement of research goals, and (d) copies of two most relevant papers. Deadline: November 15, 2015. Funding is assured for at least two years.

Required qualifications: PhD in computer science or related field; strong mathematical

background; skill in designing, executing, and interpreting experiments; skill with software engineering and statistical analysis; excellent spoken and written English. Preferred qualifications: Knowledge or prior experience relating to one or more of the application domains.

Penn State

College of Information Sciences and Technology

Postdoc in Computational Cognitive Science

(Deep Learning or Computational Psycholinguistics; Skills in Information Retrieval or Natural Language Processing desired). Info: <http://acs.ist.psu.edu/wp/people/postdoc-dr-ssri/>

Pomona College

Tenure-track Assistant Professor

Computer Science Department, Pomona College: Tenure-track Assistant Professor, beginning July 1, 2016. Teaching load: 2/2. Ph.D. required. The position is open to all areas of computer science. Candidates in areas including systems, security, AI, graphics, and HCI 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 successful 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/6116>): cv; graduate transcripts; 3 or more letters of recommendation, at least one evaluating teaching; and three 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, 2015. Further information at <http://www.cs.pomona.edu/search2016.html> or search@cs.pomona.edu

Instructor

The Pennsylvania State University's Department of Computer Science and Engineering invites applications for multiple fixed-term multi-year non-tenure track instructor positions to enhance its delivery of computer science and computer engineering courses for both our undergraduate majors and for non-majors. Particular areas of interest include introductory programming (Python, C++, Java, Matlab, Access, Excel, etc.), discrete mathematics, logic design and/or computer organization and architecture.

Candidates should hold at least a Master's degree in Computer Science, Computer Engineering or a closely related field and should have a strong commitment to undergraduate education, curricular development and incorporating the latest technology into their teaching.

The University is located in the beautiful college town of State College in the center of Pennsylvania. The State College area has 130,000 inhabitants and offers a wide variety of cultural and outdoor recreational activities. The university offers outstanding events from collegiate sporting events to fine arts productions. Many major population centers on the east coast (New York, Philadelphia, Pittsburgh, Washington D.C., Baltimore) are only a few hours' drive away and convenient air services to several major hubs are operated by three major airlines out of State College.

Applicants should upload a statement of teaching interests, curriculum vitae, and names and contact information for three references at apptrkr.com/681445. Review of applications will continue until the positions are filled and the expected starting date is August 2016.

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 all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.

Professional Opportunities

Portland State University

Maseeh College of Engineering & Computer Science

Assistant Professor of Computer Science

The Computer Science Department at Portland State University (PSU) invites applications for multiple junior tenure-track faculty positions to begin Fall 2016. Exceptional applicants at other ranks will also be considered.

Specific areas of computer science under consideration are: artificial intelligence; machine learning; data mining; data-intensive systems; secure and trustworthy cyberspace, and networks and systems of connected things.

The department currently has twenty-four tenure-track faculty members, including four NSF CAREER Award winners and two ACM Fellows. The department offers an ABET-accredited B.S., both a thesis and a non-thesis M.S., and a Ph.D. in Computer Science. The department currently serves approximately 800 undergraduates and 130 graduate students. Our teaching loads give faculty time to maintain funded research programs. Further information about the department is available at <http://www.pdx.edu/computer-science/>.

PSU is the largest university in Oregon and is known nationally for its community engagement and sustainability initiatives. Its campus in downtown Portland is well served by public transit and offers proximity to world-class restaurants, cultural venues and outdoor activities.

PSU's urban setting provides a living laboratory for research and easy access to collaborations in industry, academia and government. (Current faculty collaborations include Intel, IBM, Oregon Health & Science University, Oregon Department of Transportation and a constellation of small to medium-sized startups.) Portland is the home of a burgeoning software industry.

Faculty Position Vacancies

Pennsylvania State University

Applications are invited for several tenure-track faculty positions at all ranks. Outstanding candidates in all areas of Computer Science and Engineering will be considered. Areas of particular interest are: hardware systems, computer architecture/embedded systems, software systems, brain science, data science, and security with applications to networking, systems and data analytics. Faculty lines in the areas of architecture/embedded systems, data science, and networking will be hired jointly with the Department of Electrical Engineering in the School of Electrical Engineering and Computer Science.

Hiring in the brain science (especially around the analyses of imaging data) and the security of large-scale cyberphysical systems (including smart grids and food-water-energy systems), will be jointly hired with the Institute for CyberScience. These positions are part of a university-wide initiative to appoint exceptional candidates who can advance algorithms, software and hardware systems with a demonstrated commitment to participating in interdisciplinary research (see www.ics.psu.edu/hire.html).

The department has 30 tenure-track faculty in the major areas of computer science and engineering. Fourteen members of our faculty are NSF Career Award recipients. Three faculty members from the department have received the prestigious NSF PECASE Award. In recent years, faculty in the department were awarded several large-scale research grants, including the Collaborative Research Alliance for the Science of Security, a Collaborative Technology Alliance for Network Science and an NSF Expeditions in Computing award. Further, the faculty have received awards in computing and research infrastructure and instrumentation grants from NSF, and are part of DARPA/STARNET Center, an NSF ERC and NSF IGERT team. The faculty are highly successful in obtaining funding from NSF, DARPA, ARL, DOE, DTRA, AFOSR and AOR. There are state-of-the-art research labs for computer systems, computer vision and robotics, microsystems design and VLSI, networking and security, high performance computing, bioinformatics and virtual environments. The department offers a graduate program with 30 Masters students and 132 Ph.D. students, and undergraduate programs in computer science and computer engineering. The university is committed to growing the faculty ranks and promoting interdisciplinary research toward cyber-enabled discovery and design.

Penn State is a major research university and is ranked 3rd in the nation in industry-sponsored research. Computer science is ranked 8th in the nation in research expenditures. U.S. News and World Report consistently ranks Penn State's College of Engineering undergraduate and graduate programs among the top in nation. Penn State is ranked 5th world wide in Computer Science Citations according to Thomson-Reuters. The university is located in the beautiful college town of State College in the center of Pennsylvania. The State College area has 130,000 inhabitants and offers a wide variety of cultural and outdoor recreational activities. The university offers outstanding events from collegiate sporting events to fine arts productions. Many major population centers on the east coast (New York, Philadelphia, Pittsburgh, Washington D.C., Baltimore) are only a few hours drive away and convenient air services to several major hubs are operated by three major airlines out of State College.

Applicants should hold a Ph.D. in computer science, computer engineering, or a closely related field and should be committed to excellence in both research and teaching. Support will be provided to the successful applicants for establishing their research programs. We strongly encourage dual career couples and candidates from underrepresented groups to apply.

Applicants should submit a statement of professional interests, curriculum vitae, and the names and addresses of four references. Please submit these items in a single PDF file electronically at <http://apptrkr.com/681413>. Nominations and applications will be considered until the positions are filled. If you have questions regarding the application process, please email recruiting@cse.psu.edu.

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 all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.

Professional Opportunities

including Puppet Labs, Tripwire, Urban Airship and Webtrends.

Qualifications

A Ph.D. in Computer Science or other relevant field is required, and must be awarded prior to September 1, 2016. All applicants are expected to show great potential for future external research support and a demonstrated record of research excellence.

Job Specifications

The faculty member will maintain scholarly activity in funded research and publications; teach undergraduate and graduate classes; provide professionally related public service; advise students, and support University activities through committee service.

To Apply

For more information and for instructions on how to apply, please visit <http://www.pdx.edu/computer-science/open-faculty-positions>. For inquiries about this position, please contact cssearch@pdx.edu. Review of applications will begin immediately and will continue until the positions are filled.

Portland State University is an Affirmative Action, Equal Opportunity Institution and welcomes applications from diverse candidates and candidates who support diversity.

Princeton University, Princeton, New Jersey, USA Computer Science

Tenure Track Position(s)

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

A PhD in Computer Science or a related area is required. Candidates should expect to receive their PhD before Fall, 2016. More senior appointments may be considered for extraordinary candidates at the associate and full professor levels. Successful candidates are expected to pursue an active research program and to contribute significantly to the teaching programs of the department. Applicants should include a CV and contact information for at least three people who can comment on the applicant's professional qualifications.

For full consideration we recommend that applicants apply by December 1, 2015, though we will continue to review applications past that date.

Princeton University is an equal opportunity employer. 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. This position is subject to the University's background check policy.

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



Tenure-Track Faculty Position

The Department of Electrical Engineering seeks applications in all areas of Electrical Engineering for a tenure-track assistant professor faculty position. Specific areas of interest are, but are not limited to, Information Sciences and Systems, Power Electronics, Biological and Biomedical Electrical Engineering, Power and Energy, Applied Physics with Applications in Electrical Engineering and Computer Engineering. Candidates should have a commitment to teaching and a demonstrated ability to pursue a high impact research program. A start date of September 1, 2016 is preferred.

Applicant review will begin in November. For full consideration, please submit applications no later than December 15, 2015, using the following site: <https://apply-ee.princeton.edu/>. Applications require: a complete curriculum vitae, descriptions of research and teaching interests, two selected publications and the contact information for at least four references. Princeton University is an equal opportunity employer. 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. The selected candidate will be required to successfully complete a background check.

Professional Opportunities

Purdue University

Department of Computer Science

Tenure-Track/Tenured Faculty Positions

The Department of Computer Science at Purdue University is in a phase of significant growth. Applications are solicited for seven 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 2015, and will continue until the positions are filled.

The Department of Computer Science offers a stimulating academic environment with 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.

Reed College

Tenure-Track Position in Computer Science

The Reed College Mathematics Department invites applications for a tenure-track assistant professorship in computer science to begin in the fall of 2016. Applicants should have completed a Ph.D. in computer science, or should be near its completion, and should be committed to excellence in teaching and in scholarship. Applicants from all areas of computer science are encouraged to apply.

Reed is a distinguished liberal arts college with 1400 students. Faculty members normally teach five semester courses per year, typically two course preparations per semester. The successful applicant will share responsibility in developing an undergraduate curriculum in computer science, extending the existing program within the Mathematics Department. Reed faculty also supervise year-long thesis projects, required of all senior students, that often incorporate students in collaborative research projects. Further information about the position can be found at <http://www.reed.edu/cssearch/>.

Reed College is a community that believes that cultural diversity is essential to the excellence of our academic program. All applicants should address how their teaching, scholarship, mentoring, community service, or other activities could support Reed's commitment to diversity and inclusion as articulated in the college's diversity statement at <http://www.reed.edu/diversity/>.

Applicants should submit their applications electronically through the Interfolio service at <http://apply.interfolio.com/32116> and should include a cover letter, curriculum vitae, teaching statement, research statement, and three letters of recommendation. Reed is an Equal Opportunity Employer and members of underrepresented groups are especially encouraged to apply. Applications will be

accepted until the position is filled, but they should be received by December 1st, 2015 to guarantee full consideration.

Any questions about the position or the application process may be directed to the chair of the search committee, Jim Fix, jimfix@reed.edu.

Rice University, Houston, Texas

Computer Science

Non-Tenure-Track Teaching Faculty Position

The Department of Computer Science at Rice University invites applications for a non-tenure track full-time teaching faculty position in the broad areas of software and algorithms. Responsibilities will include teaching freshman- and sophomore-level courses that use Python and Java, both on-campus and on-line, during the academic year. Opportunities for summer employment are also available through course development and/or research efforts. The position will start in August 2016. Please submit a resume, 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 January 31, 2016. 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 non-tenure-track teaching 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.

Rice University is an Equal Opportunity/Affirmative Action Employer.

Professional Opportunities

Rice University, Houston, Texas

Computer Science

Tenure-Track Assistant Professor Position

The Department of Computer Science at Rice University 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 2016. Applicants must hold a Ph.D. degree or equivalent in computer science or a related discipline, or must complete the Ph.D. by November 1 of the year employment commences.

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, 2015. 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.

ROCHESTER INSTITUTE OF TECHNOLOGY

Computing and Information Sciences
Multiple Openings for Fall 2016

The B. Thomas Golisano College of Computing and Information Sciences at the Rochester Institute of Technology invites applications and nominations for the following faculty positions:

- Four full-time tenure-track/tenured positions to be part of a cluster hire in **cybersecurity** (two positions in **Computing Security**, one in **Computer Science**, and one in **Software Engineering**). Candidates will be considered at the assistant, associate, and full professor ranks (#2031BR).

RIT views cybersecurity as an interdisciplinary field that exists at the intersection of society and technology. RIT is making a major investment in cybersecurity, and the cluster hires will further strengthen the Institute's research competency and profiles in related disciplines. While successful candidates will be appointed to different departments, they will be expected to collaborate across departments and colleges, and bring discipline perspectives and contributions to cybersecurity from their home departments. They will be expected to play critical roles in advancing research and education in cybersecurity, and lead efforts in building a dedicated interdisciplinary research center on campus.

We are also seeking candidates for the following openings:

- Three tenure-track assistant professor positions in **Computer Science** (#2032BR and #2033BR [2])
- One tenure-track assistant professor position in **Computing Security** (#2022BR)
- One tenure-track assistant or associate professor position in **Software Engineering** (#2019BR)
- Two lecturer positions in **Software Engineering** (#2027BR and #2028BR)
- One visiting lecturer position in **Computer Science** (#1905BR)
- One postdoctoral researcher position in **Human Computer Interaction** in the **Information Sciences and Technologies** department (#1735BR)
- One postdoctoral researcher position in **Software Engineering** (#1976BR)

Candidates should visit <http://careers.rit.edu/faculty> and refer to the BR numbers listed above for specific information about the positions and the application process. Refer to www.rit.edu for information about RIT and the B. Thomas Golisano College of Computing and Information Sciences.

The B. Thomas Golisano College of Computing and Information Sciences is home to the departments of Computer Science, Software Engineering, Information Sciences and Technologies, and Computing Security, and the School of Interactive Games and Media, offering a variety of BS and MS degrees as well as the Ph.D. in Computing and Information Sciences. The college has 110 faculty and over 3000 undergraduate and 800 graduate students.

RIT does not discriminate. RIT is an equal opportunity employer that promotes and values diversity, pluralism, and inclusion. For more information or inquiries, please visit RIT/TitleIX or the U.S. Department of Education at ED.Gov

R · I · T

-Selected as one of the top colleges to work for by The Chronicle of Higher Education

Professional Opportunities

Rochester Institute of Technology

Four Full-Time Tenure-Track Positions

The Department of Computer Science at the Rochester Institute of Technology (<http://cs.rit.edu>) is expanding to meet the growing demand for its BS and MS programs and projected research activities. The department invites applications for four full-time tenure-track positions.

- (1) Two assistant professor positions in all areas of computer science that strengthen our department (#2033BR).
- (2) One assistant professor position in the area of data science (#2032BR).
- (3) One position in an area of cybersecurity that strengthens our department (#2031BR). This position is part of a college-wide cluster hire of four positions in the area of cybersecurity.

To apply, visit <http://careers.rit.edu/faculty> and refer to the BR number listed above for specific information about the positions and the application process. Please apply to all positions that are a good fit.

The Department of Computer Science is the largest of more than 70 departments at RIT, and has 37 full-time faculty committed to excellence in teaching and research. We offer an ABET accredited BS degree in Computer Science which includes mandatory co-op experience and currently enroll over 800 undergraduate students and 450 graduate students. Our PhD program is administered within the B. Thomas Golisano College of Computing and Information Sciences.

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

status or disability in its hiring, admissions, educational programs and activities.

Rochester Institute of Technology

Position of Dean of the B. Thomas Golisano College of Computing and Information Sciences

Rochester Institute of Technology, one of the largest private universities in the nation, is seeking applications and nominations for the position of Dean of the B. Thomas Golisano College of Computing and Information Sciences (GCCIS). This position offers an exceptional opportunity for an energetic and visionary leader to partner with members of the talented faculty, student body, staff, and broader institute and national community to teach, promote, and reflect the value of the significant and integral role computing and information sciences disciplines play in today's complex world. Reporting to and working with the Provost, and in coordination with the Deans from other colleges, the GCCIS Dean will have responsibility for the strategic, programmatic, financial, fundraising, and management operations that support the mission and vision of the GCCIS.

Send applications (curriculum vitae and cover letter), nominations, and inquiries to the address below. For priority consideration, please apply by November 23, 2015. For additional information about RIT, the GCCIS, and the position, visit our web sites at www.rit.edu and www.rit.edu/gccis.

rit-gccis@kornferry.com

Paul Chou, Co-Managing Director, Global Education Practice

Josh Ward, Senior Associate, Global Education Practice

Korn Ferry International
Philadelphia, PA

Rochester Institute of Technology is an equal opportunity and affirmative action employer

and does not discriminate against persons on the basis of race, religion, national origin, sexual orientation, gender, gender identify and expression, marital status, age, disability, pregnancy, medical condition, or covered veteran status.

Santa Clara University - Santa Clara, CA (Silicon Valley)

Department of Mathematics & Computer Science

Assistant Professor

The Department of Mathematics and Computer Science at Santa Clara University invites applications for a tenure-track position in computer science. Our strongest interest is in candidates with research interests in all areas related to data science, but we also welcome applicants with research interests in design and analysis of algorithms. The successful candidate will demonstrate not only potential for excellent undergraduate teaching, but also promise in sustained research and scholarly publication, with opportunities to involve undergraduates. Position available starting in September 2016. Ph.D. or equivalent required by September 2016.

Undergraduate teaching only. Santa Clara University, located in California's "Silicon Valley," is a comprehensive, Jesuit, Catholic university, and an AA/EEO employer.

For more information, see <https://jobs.scu.edu/postings/3522>.

Santa Clara University

Computer Engineering Department Assistant Professor

The Department of Computer Engineering at Santa Clara University invites applications for two tenure-track Assistant Professor positions starting in the 2016-2017 academic year. Applicants must hold a doctorate in computer science, computer engineering, or

Professional Opportunities

in a closely related field; have demonstrated a strong potential for high-quality research in computing; and have a strong commitment and ability to teach at both the undergraduate and graduate levels. To complement expertise of current faculty, address areas of strong interest to students, and enhance collaboration opportunities with local industries, the department is particularly interested in candidates with specialization in data science, IoT, machine learning, mobile, multimedia, or security. However, Silicon Valley is an area of broad and ever-changing technical interests and needs, and strong candidates will be seriously considered regardless of area of specialization.

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) may be 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 of any US master's university, 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

SJSU SAN JOSÉ STATE UNIVERSITY

ANNOUNCEMENT OF POSITION AVAILABILITY *Subject to Budgetary Approval*

Assistant/Associate Professor, Computer/ Software Engineering

Specialization: Computer/Software Engineering

Job Opening ID (JOID): 23459

Rank: Assistant/Associate Professor, Tenure-track

The Computer Engineering Department at San José State University invites applications for 4 tenure-track faculty positions at the rank of Assistant or Associate Professor. Areas of particular interest include cloud computing and virtualization, big data analytics, networking, storage, mobile systems, parallel and distributed systems, cyber security, and embedded systems, but other areas in computer and software engineering will also be considered.

Qualifications:

- Applicants must have a Ph.D. in Computer Engineering, Software Engineering, Computer Science, or Electrical Engineering.
- For appointment at the Assistant Professor rank, the candidate must demonstrate potential for teaching and scholarly excellence. For appointment at an Associate rank, the candidate must have a record of broad teaching experience and significant scholarly and professional achievements commensurate with the rank.
- Applicants should have awareness of and sensitivity to the educational goals of a multicultural population as might have been gained in cross-cultural study, training, teaching and other comparable experience.

Responsibilities:

- A faculty member is expected to teach, supervise, and advise students in both undergraduate and graduate programs, and to establish a research program related to his/her field of interest.
- A faculty member will participate in department, college, and university committee and other service assignments.
- A faculty member must address the needs of a student population of great diversity – in age, cultural background, ethnicity, primary language and academic preparation – through course materials, teaching strategies and advisement.

Salary Range: Commensurate with qualifications and experience.

Eligibility: Employment is contingent upon proof of eligibility to work in the United States.

Application Procedure: For full consideration, upload a letter of application, curriculum vitae, statement of teaching interests/ philosophy, research plans, and at least three original letters of reference with contact information by February 1, 2016 at <http://apptrkr.com/679064>

Please include Job Opening ID (JOID) on all correspondence.

Screening of candidates will begin February 1, 2016. The positions remain open until filled.

The Computer Engineering program at SJSU was ranked number one in the nation among public institutions in its category by US News in 2014. Ideally situated at the center of Silicon Valley, the program enjoys close and multi-leveled industry ties and offers ample opportunities for industry collaboration and applied research.

The Computer Engineering Department at San José State University is a leading provider of engineering professionals to Silicon Valley's high-tech industries. It provides its faculty with opportunities for close collaborative ties with industry and research partners in Silicon Valley. The department serves more than 2500 undergraduate and graduate students and offers BS and MS degrees in both computer and software engineering.

San José State University is California's oldest institution of public higher learning. The campus is located on the southern end of San Francisco Bay in downtown San José (Pop. 1,000,000), hub of the world-famous Silicon Valley high-technology research and development center. Many of California's most popular national, recreational, and cultural attractions are conveniently close. A member of the 23-campus CSU system, San José State University enrolls approximately 30,000 students, a significant percentage of whom are members of minority groups. The University is committed to increasing the diversity of its faculty so our disciplines, students and the community can benefit from multiple ethnic and gender perspectives.

San José State University is an Affirmative Action/Equal Opportunity Employer. We consider qualified applicants for employment without regard to race, color, religion, national origin, age, gender, gender identity/expression, sexual orientation, genetic information, medical condition, marital status, veteran status, or disability. This policy applies to all San José State University students, faculty, and staff as well as University programs and activities. Reasonable accommodations are made for applicants with disabilities who self-disclose. Note that all San José State University employees are considered mandated reporters under the California Child Abuse and Neglect Reporting Act and are required to comply with the requirements set forth in CSU Executive Order 1083 as a condition of employment.

A background check (including a criminal records check) must be completed satisfactorily before any candidate can be offered a position with the CSU. Failure to satisfactorily complete the background check may affect the application status of applicants or continued employment of current CSU employees who apply for the position.

The latest San José State University Safety 101 Uniform Campus Crime and Security Report is available. You may request a copy of San José State University's annual safety report by contacting the University Police Department at (408) 924-2222 or by visiting the University Police Department website at (<http://www.sjsu.edu/police>).

Professional Opportunities

Ph.D. degrees, with 19 full-time faculty, and a strong pool of approximately 35 part-time adjunct faculty who instruct about 300 undergraduate majors, and about 450 part-time and full-time graduate students. The School of Engineering maintains strong ties to local industry.

The proposed start date is September 1, 2016.

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/3504>

Review of applications will begin upon receipt and complete application packets received by December 15, 2015 will receive full consideration. However, 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.

Simon Fraser University

Tenure-track Faculty Positions

<http://www.sfu.ca/computing/about/job-opportunities.html>

The School of Computing Science at Simon Fraser University invites applications for tenure-track faculty. There may be multiple openings for tenure-track positions and we will consider applications at the assistant and associate professor ranks. Excellent

candidates in all areas of computer science are encouraged to apply.

Candidates are expected to demonstrate a commitment to excellence in research, graduate student supervision, and teaching at the undergraduate and graduate levels. A Ph.D. in computer science or related area by the date of appointment is required. Strategically important research expertise is sought, that builds on or complements existing strengths. Applicants with a commitment to the advancement of women and minorities in computer science are a priority.

Outstanding applicants may be considered for the Ebco Eppich Chair in Data Intensive Systems, which provides additional salary and research support, and teaching release.

Simon Fraser University is located in metropolitan Vancouver, one of the most livable cities in the world. The School of Computing Science has recently been ranked in the top 3 in Canada as well as top 50 in the world, both in research strength and employability of students, by the Shanghai Ranking, US News and LinkedIn. The School currently has 40 research faculty members, approximately 240 Ph.D. and M.Sc. students, and more than 1500 undergraduate majors.

The review of applications will start on December 1, 2015 and will continue until the positions are filled. The positions are subject to availability of funding and approval by the SFU Board of Governors.

To apply, submit your curriculum vitae, your research and teaching statement, and the names and email addresses of three referees to our on-line application system:

<https://gradpcs.cs.sfu.ca/~faculty15/apply>

All qualified candidates are encouraged to apply, however Canadian citizens and permanent residents will be given priority. Simon Fraser University is committed to employment equity and encourages applications from all qualified women and

men, including visible minorities, aboriginal people, and persons with disabilities. Under the authority of the University Act, personal information that is required by the University for academic appointment competitions will be collected. For further details see: http://www.sfu.ca/vpacademic/faculty_openings/collection_notice.html

Singapore Management University

Dean, School of Information Systems

Singapore Management University (SMU) is conducting an international search for the Dean of the School of Information Systems (SIS) and invites applications and nominations for this position. The appointment will be effective July 1, 2016 or soon thereafter.

Established in 2000, SMU is a premier university in Asia and is recognized internationally for its research and distinguished teaching. SMU's vision is to be a great and iconic global-city university in Asia that excels in tackling the world's complexities, impacting humanity positively, and producing leaders of tomorrow through its transformative education and multi-disciplinary research to provide insights in solving these problems.

SMU is home to around 8800 undergraduate and postgraduate students from its six schools i.e. School of Accountancy, Lee Kong Chian School of Business, School of Economics, School of Information Systems, School of Law, and School of Social Sciences. SMU offers a wide range of bachelors', masters' and PhD degree programmes in the disciplinary areas associated with the six schools, as well as in interdisciplinary combinations of these areas. SMU has an emphasis on generating rigorous, high-impact, and relevant multi-disciplinary research that addresses Asian issues of global relevance. SMU faculty members collaborate with leading international

Professional Opportunities

researchers and universities from USA, Europe, China and India, as well as with partners in the business community and public sector, through its research institutes, centres and labs. SMU's city campus is a state-of-the art facility located in the heart of downtown Singapore, fostering strategic linkages with business, government and the wider community.

The School of Information Systems (SIS) was founded in 2003 and has achieved much success within a short span of time. SIS is recognized for its innovative research

and education focused on Information Systems Technology, Information Systems Management as well as for its knowledge at the intersection of IS related technologies and management and has attracted more than S\$ 94 million for R&D projects in its first decade of operations. SIS is an iSchool (Information school) with deep strengths in information technology, systems and applications and focuses on computing and IT in business, management and social science contexts. The School's 50 faculty represent five different areas of coverage and expertise i.e. Cyber Security, Data

Management and Analytics, Information Systems and Management, Intelligent Systems and Decision Analytics, and Software and Cyber Physical Systems. The School has several labs and centres which draw upon the support of over 100 research staff. Today the School has over 1250 students and more than 2000 alumni across its education programmes, which include the Bachelor of Information Systems, Master of IT in Business, Master of Applied Information Systems, and PhD in Information Systems.



School of Engineering, Stanford University – Faculty Opening

The School of Engineering at Stanford University (<http://soe.stanford.edu/>) invites applications for a tenure-track faculty appointment at the junior level (Assistant or untenured Associate Professor) in the broadly defined field of robotics and autonomous systems. Priority will be given to the overall originality and promise of the candidate's work over any particular specialization area or department affiliation.

Applicants should have an earned Ph.D., evidence of the ability to pursue an independent program of research, a strong commitment to both graduate and undergraduate teaching, and the ability to initiate and conduct research across disciplines. A successful candidate will be appointed in one or two of the departments of Aeronautics and Astronautics, Computer Science, Electrical Engineering, and Mechanical Engineering, although appointments in other departments will also be possible. The 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.

Applications should include a brief research and teaching plan, a detailed resume including a publications list, and the names and addresses of at least five references.

Candidates should apply online at <http://ee.stanford.edu/job-openings>. Applications will be accepted through December 14, 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.

Professional Opportunities

The new Dean will provide innovative and bold leadership to accelerate SIS' progress as a leading Information Systems school in Asia. The Dean will work with the faculty to consolidate and strengthen the School's research portfolio, develop and raise the standard of the School's education programmes, as well as deepen the School's linkage with industry and government agencies.

The successful candidate will be tenurable at the full professor level in the School of Information Systems. The right candidate will have outstanding academic and professional credentials, a proven record of leading a school or organization of similar scope and complexity, and demonstrated ability to work collaboratively and inclusively with a wide range of internal and external partners. A global orientation with a strong interest in Asia, a disposition towards interdisciplinary research, industry exposure, proven ability in fundraising and effective communication skills are all very important for this position.

All inquiries, applications and nominations relating to this position will be treated in strict confidence and should be submitted electronically to SIS_DeansSearchCommittee@smu.edu.sg at the earliest.

More information about this position is available [here](#).

School website: <http://sis.smu.edu.sg/>

University website: www.smu.edu.sg

Stevens Institute of Technology

Computer Science

Three Open Tenure-Track Positions

The Computer Science Department at Stevens Institute of Technology invites applications for three open tenure-track positions, with appointments to begin in either January 2016 or August 2016, at mutual convenience. Special consideration will be

given to candidates in machine learning, visual computing, or secure systems at the assistant professor level. However, outstanding applicants at other levels and/or in other areas of Computer Science may also be considered.

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

The Computer Science Department is a small, dynamic environment that includes three present NSF CAREER awardees and designation by NSA as both a National Center of Academic Excellence in Information Assurance Education and a National Center of Academic Excellence in Information Assurance Research. Most faculty have extensive research programs externally funded by agencies including NSF, NSA, DHS, NIH, ONR, ARO, and others; the department has two NIH R01 grants. Areas of research emphasis include visual computing, machine learning, and cybersecurity. The student body consists of approximately 300 undergraduate majors, 400 Masters students, and 25 doctoral students. Class sizes are small, and the students are talented (middle 50% SAT range 1260-1400) and well prepared for a technical education. Distinguished adjunct professors, many drawn from nearby research centers, augment our full time faculty.

Stevens is a private technological university located in Hoboken, New Jersey. The Institute's small size eases cross-department and inter-disciplinary research ties and teaching programs. The 55-acre campus is on the Hudson river across from midtown Manhattan within a few minutes

from New York City via public transportation. Hoboken is an upscale small city, the residence of choice for many professionals working in NYC. Faculty live in Hoboken, Manhattan, and in suburban communities in Northern New Jersey along commuter train lines to Hoboken and NYC. Stevens's location offers excellent opportunities for collaborations with nearby universities such as NYU, Princeton, Columbia, and Rutgers/DIMACS as well as major industrial research laboratories such as Bell Labs, AT&T Labs, IBM Research, Google NYC, Siemens, and the Sarnoff Corporation.

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

Review of applications is underway. Those seeking a January 2016 start date should apply immediately. Those seeking an August 2016 start should apply no later than December 15, 2015 to receive fullest consideration.

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/tenure_track.php

Stony Brook University, Stony Brook, NY

Endowed Chairs - Institute for Advanced Computational Science

Applications are invited for tenured endowed chair faculty positions in computer science or applied mathematics in the Institute for Advanced Computational Science (IACS) at Stony Brook University. Exceptionally qualified senior candidates wishing to apply should have a doctoral degree in Computer

Professional Opportunities

Science or Applied Mathematics, though a degree in related fields will be considered. At least ten years of faculty or professional experience is required, along with an outstanding record of publications and research funding. The selected candidate is expected to lead interdisciplinary program development within the Institute and to establish a major research program with a substantial funding base through both internal and external collaborations. The selected candidates will have access to world-class facilities including those at nearby Brookhaven National Laboratory (BNL), with a possibility of a joint appointment with BNL. IACS is affiliated with the Center for Scientific Computing at BNL.

IACS (iacs.stonybrook.edu) was established in 2012 with an endowment of \$20M, including \$10M from the Simons Foundation. The current ten faculty members will double in number over the next few years to span all aspects of computation with the intent of creating a vibrant multi-disciplinary program. IACS seeks to make sustained advances in the fundamental techniques of computation and in high-impact applications including engineering and the physical, life, and social sciences.

Application Procedure: Those interested in this position should submit a [State employment application](#), cover letter, resume/CV, research plan (maximum two pages) which should also describe how graduate and undergraduate students participate, a one page statement of your teaching philosophy, a publication list, your funding record and three reference letters to: <https://iacs-hiring.cs.stonybrook.edu>.

For a full position description, or to apply online, visit: www.stonybrook.edu/jobs (Ref. # F-9471-15-09-F).

Stony Brook University is an affirmative action, equal opportunity employer. Female/Minority/Disabled/Veteran

SUNY Polytechnic

Assistant Professor in Network and Computer Security

Description of Duties:

- Teach courses in the areas of Network and Computer Security (NCS).
- Develop a scholarly research program incorporating undergraduates.
- Develop an externally funded research program.
- Work with the faculty of the department to prepare for ABET accreditation.
- Serve the College and community.
- Other reasonable duties as assigned.

Minimum Qualifications: Applicants must have a PhD in Computer Science or a related field from a college or university accredited by the United States Department of Education or internationally recognized accrediting organization, and have a strong commitment to academic and scholarly achievement. The successful candidate will have high potential for teaching excellence and ability to develop an externally funded scholarly research program. The successful applicant will support our B.S. and M.S. programs in Network and Computer Security and our M.S. program in Telecommunications. While all areas of expertise will be considered, applicants who demonstrate the potential to establish an externally funded research program in the area of cybersecurity and information assurance are especially encouraged to apply. In addition to teaching, research, and service responsibilities, SUNY Poly faculty members have the opportunity to engage in curriculum development, industry collaboration, and community outreach. Preference will be given to candidates who have experience teaching cybersecurity courses. Applicants with a M.S. degree in Computer Science or a related field and cybersecurity expertise are also invited

to apply, and may be considered with appropriate academic rank.

For a complete description and to apply, please visit: suny.interviewexchange.com EO/AA

Swarthmore College

One Tenure-Track Position and Multiple Visiting Positions

The Computer Science Department invites applications for one tenure-track position and multiple visiting positions at the rank of Assistant Professor to begin Fall semester 2016.

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 demonstrated commitments to a more inclusive society and world.

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

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

For the tenure-track position, we are particularly interested in applicants whose areas will complement and broaden our program, including theory and algorithms, programming languages, and systems areas. Strong applicants in other areas will also be considered.

Professional Opportunities

For the visiting position, strong applicants in any area will be considered.

For the tenure-track position, priority will be given to complete applications received by December 15. For the visiting position, priority will be given to complete applications received by February 15. Applications for both positions will continue to be accepted after these dates until the positions are filled.

Applications should include a cover letter, vita, teaching statement, research statement, and three letters of reference, at least one (preferably two) of which should speak to the candidate's teaching ability. In your cover letter, please briefly describe your current research agenda; what would be attractive to you about teaching in a liberal arts college environment; and what background, experience, or interests are likely to make you a strong teacher of Swarthmore College students.

Tenure-track applications are being accepted online at <https://academicjobsonline.org/ajo/jobs/6161>.

Visiting applications are being accepted online at <https://academicjobsonline.org/ajo/jobs/6173>. Candidates may apply for both positions.

Texas A&M University

Department of Computer Science and Engineering

Multiple Faculty Positions

Position Title

Assistant, Associate or Full Professor

Texas A&M - Dwight Look College of Engineering

Texas A&M is located in the twin cities of Bryan and College Station, with a population of more than 175,000, and is conveniently located in a triangle formed by Dallas, Houston and Austin. Texas A&M has more than 55,000 graduate and undergraduate

students enrolled. Research expenditures at Texas A&M total more than \$820 million annually, ranking in the top tier of universities nationwide. With an endowment valued at more than \$5 billion, the university ranks fourth among U.S. public universities and 10th overall. Texas A&M is aware that attracting and retaining exceptional faculty often depends on meeting the needs of two careers and having policies that contribute to work-life balance. For more information visit <http://dof.tamu.edu/content/balancing-work-and-life>. With over 400 tenured/tenure-track faculty members and more than 13,900 students, the Dwight Look College of Engineering is one of the largest engineering schools in the country. The college is ranked seventh in graduate studies and eighth in undergraduate programs among public institutions by U.S. News & World Report, with seven of the college's 13 departments ranked in the Top 10. The Look College is also ranked 10th in the Academic Ranking of World Universities compiled by Shanghai Jiao Tong University. The American Society for Engineering Education ranks the Look College second in research expenditures.

Department

Department of Computer Science and Engineering

Department Overview

The **Department of Computer Science and Engineering of the Dwight Look College of Engineering at Texas A&M University invites applications** for multiple faculty positions, including an endowed chair professor starting fall 2016. Additionally, a number of multi-disciplinary centers and institutes are seeking faculty that may have interests aligned with computer science or computer engineering.

In response to the national demand for more qualified engineers, the Look College has embarked on "25 by 25," an ambitious enrollment growth initiative to more than

double the college's current enrollment to 25,000 engineering students by the year 2025. The Department of Computer Science and Engineering (CSE) is an integral part of this planned growth. The department currently has 41 tenured and tenure-track faculty and 8 non-tenure track faculty members who hold a number of national distinctions, including ACM, IEEE, AAAS and SIAM Fellows, and ACM Distinguished Scientists and Engineers. The department has a strong and vibrant research program, with half the faculty receiving NSF CAREER/ NYI/PVI awards. More information about the department is available at <http://www.cse.tamu.edu>.

Pre-Hire ID: (this is assigned in the DOF Workflow) To Be Assigned

Job Summary

Endowed Chair Professor: CSE invites applications for the College of Engineering Endowed Chair in Computer Science. Exceptional candidates in all areas of computer science and/or computer engineering are welcome to apply. An internationally recognized scholar is being sought who has the vision, enthusiasm, motivation, and capability to build and guide a flourishing research group. Candidates having synergistic interests with existing areas of research strengths, and those who will broaden and expand our current programs will generate the most interest. Applications from candidates with highly innovative research agendas and/or who cross traditional disciplinary boundaries are welcome. The department, with the strong backing of the college and university, is committed to providing the resources needed to enable the endowed chair to quickly establish a vibrant, internationally recognized research presence at Texas A&M. Successful candidates will be expected to teach at the undergraduate and graduate levels, develop an independent, externally funded research

Professional Opportunities

program, advise graduate students, serve the profession, and participate in all aspects of the department's mission, with significant contributions to the excellence of our main initiatives.

Open Rank Tenure Track Positions in Computer Science or Engineering: CSE invites applications for multiple tenure-track positions at the assistant, associate and full professor levels. We are seeking candidates in the areas of theory, systems, software, human-centered computing, and applications. We are also interested in applicants doing research in the frontiers of computer science with other disciplines. Exceptional candidates in other areas are also welcome to apply. Successful candidates will be expected to teach at the undergraduate and graduate levels, develop an independent, externally funded research program, advise graduate students, participate in all aspects of the department's mission, and serve the profession.

Required Education and Experience

Applicants must have a Ph.D. in computer science, computer engineering, or a closely related field.

Other Requirements

Applicants should submit a cover letter, curriculum vitae, teaching statement, research statement, and a list of three references (including postal addresses, phone numbers and email addresses) by applying for this specific position at www.tamengineeringjobs.com. To ensure full consideration, applications should be received by January 4th, 2016, but will be accepted until positions are filled. For specific questions about the positions, contact: search@cse.tamu.edu. It is anticipated the appointment will begin fall 2016.

EEOC Statement

The members of Texas A&M Engineering are all Equal Opportunity/Affirmative Action/Veterans/Disability employers committed to

diversity. It is the policy of these members to recruit, hire, train and promote without regard to race, color, sex, religion, national origin, age, disability, genetic information, veteran status, sexual orientation or gender identity.

Texas A&M University

Position Title: Open Rank Non-tenure Track Titles

Texas A&M - Dwight Look College of Engineering

Texas A&M is located in the twin cities of Bryan and College Station, with a population of more than 175,000, and is conveniently located in a triangle formed by Dallas, Houston and Austin. Texas A&M has more than 50,000 graduate and undergraduate students enrolled. Research expenditures at Texas A&M total more than \$820 million annually, ranking in the top tier of universities nationwide. With an endowment valued at more than \$5 billion, the university ranks fourth among U.S. public universities and 10th overall. Texas A&M is aware that attracting and retaining exceptional faculty often depends on meeting the needs of two careers and having policies that contribute to work-life balance. For more information visit <http://dof.tamu.edu/content/balancing-work-and-life>. With 390 tenured/tenure-track faculty members and more than 12,000 students, the Dwight Look College of Engineering is one of the largest engineering schools in the country. The college is ranked seventh in graduate studies and eighth in undergraduate programs among public institutions by *U.S. News & World Report*, with seven of the college's 13 departments ranked in the Top 10. The Look College is ranked second in research expenditures by the American Society for Engineering Education.

Department - Computer Science and Engineering

Department Overview

In response to the national demand for more qualified engineers, the Look College has embarked on "25 by 25," an ambitious enrollment growth initiative to more than double the college's current enrollment to 25,000 engineering students by the year 2025. The Department of Computer Science and Engineering will be an integral part of this planned growth. The department currently has 42 tenured and tenure-track faculty members, 11 research faculty, two professors of practice, and six full-time lecturers. The department has faculty with a number of national distinctions, including ACM, IEEE, AAAS and SIAM Fellows, and ACM Distinguished Scientists and Engineers. The department has a strong and vibrant research program, with half the faculty receiving NSF CAREER/NYI/PVI awards.

Job Summary

The Department of Computer Science and Engineering at Texas A&M University invites applications for non-tenure track faculty position at the lecturer, instructional professor, professor of practice, and research professor levels with teaching expertise in computer science or computer engineering. The successful applicants will teach primarily at the undergraduate level in support of the development of the undergraduate program; advise and mentor undergraduate students; participate in all aspects of the department's activities; and serve the profession. Strong written and verbal communication skills are required. Applicants should consult the department's website to review our academic and research programs <http://www.cse.tamu.edu>.

Required Education and Experience

Applicants must have, at the minimum, an earned bachelor level degree for professor of practice level titles. Candidates for other non-tenure track titles must have an advanced degree in a closely related engineering or science discipline.

Professional Opportunities

Other Requirements

Applicants should submit a cover letter, curriculum vitae, teaching statement, and a list of three references (including postal addresses, phone numbers and email addresses) by applying for this specific position at www.tamengineeringjobs.com. Full consideration will be given to applications received by November 1, 2015. Applications received after that date may be considered until positions are filled. It is anticipated the appointment will begin fall 2016 or spring 2017.

EEOC Statement

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

Trinity College, Hartford, Connecticut

Computer Science Department

Assistant Professor of Computer Science

Applications are invited for a tenure-track position in computer science at the rank of Assistant Professor to start in the fall of 2016. Candidates must hold a Ph.D. in computer science at the time of appointment. We are seeking candidates with teaching and research interests in applied areas associated with Big Data (such as database and information systems, data mining and knowledge discovery, machine learning and cloud computing), but other related areas will be seriously considered.

Applications should be submitted to: <https://trincoll.peopleadmin.com/>. Consideration of applications will begin on December 15, 2015.

Trinity College is an Equal-Opportunity/Affirmative-Action employer.

Tsinghua University

Positions at Assistant/Associate/ Full Professor

The Institute for Interdisciplinary Information Sciences (IIIS), headed by Turing Award winner Professor Andrew C. Yao, is a newly established academic unit at Tsinghua University, aimed at creating a world-class environment for research and education in computer science and related disciplines. IIIS currently has 16 full-time tenure-track faculty members, and is actively recruiting outstanding scholars to join IIIS in its exciting growth toward excellence.

We invite applications from highly-qualified candidates in areas including (but not limited to), Algorithms and Complexity, Algorithmic Game Theory, Machine Learning, Multimedia, Database, Computer Network, Information Security, Web Technologies, Computer Systems, Energy-Efficient Computing, Quantum Information, Computational Biology.

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

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

TTI-Chicago

Faculty Positions

TTI-Chicago invites applications for faculty positions in computer science at the level of tenure-track and senior (tenured) professor, endowed three-year research assistant professor, and visiting professor. We welcome applications from many areas of computer science, but will give preference to candidates with a particular interest in theory, machine learning, computer vision, natural language and speech, robotics, or computational biology.

TTI-Chicago is a philanthropically endowed, academic institute situated on the University of Chicago campus, and is dedicated to basic research and graduate education in computer science. Tenure-track faculty teach one quarter per year. Research faculty have no teaching duties, but have the opportunity to teach and co-advise students.

Applications should include a curriculum vitae, research and teaching statements, and the names and contact information of at least three references. Please apply online at <http://www.ttic.edu/faculty-hiring.php>.

We will give full consideration to applications received by January 1, 2016, but will continue to accept applications until the position is filled.

Please direct any questions to recruiting@ttic.edu.

TTI-Chicago is an equal opportunity employer.

Tufts University

Department of Computer Science

Assistant/Associate Professor in Machine Learning/Data Mining

The Department of Computer Science in the School of Engineering at Tufts University invites applications for a tenure-stream faculty appointment to begin in September 2016. We are seeking outstanding junior-level or mid-career-level candidates for

Professional Opportunities

an appointment at the rank of Assistant Professor or Associate Professor.

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 Interfolio at <https://apply.interfolio.com/30915>

For more information please visit <http://www.cs.tufts.edu/>.

Inquiries should be emailed to cssearch@cs.tufts.edu.

Review of applications will begin January 5, 2016 and will continue until the position is filled.

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

Tulane University - New Orleans, LA

Department of Computer Science

Faculty Positions in Computer Science Starting Fall 2016

Tulane Computer Science is Hiring!

The Tulane Computer Science department anticipates multiple hires at all levels as it continues to build its program. We expect to double our faculty within two years, and to triple it within two more years. We are particularly pleased to announce

The Yahoo! Founder Chair in Systems

We seek outstanding applicants for an endowed chair in systems. The successful applicant will be an internationally recognized

leader who is capable of establishing and leading a systems group of the first rank. The Yahoo! Founder Professor will anchor our new systems group, with additional hires expected to complete the group. We are especially interested in candidates in network and distributed systems, systems security or software systems. Potential candidates are encouraged to contact Professor Michael Mislove, chair of the computer science department, at mislove@tulane.edu about their candidacy.

Tenured/Tenure-Track Open Rank Positions

We also anticipate a number of openings for tenured or tenure-track positions in Machine Learning. We intend to establish a Machine Learning group that will interact with existing research activities and with those of the new systems group, as well as with researchers in related areas at Tulane.

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.

All of these positions have the potential for a joint appointment with the Florida Institute for Human and Machine Cognition - see <http://www.ihmc.us>.

Successful candidates for these positions will have internationally recognized research programs that include applications of computer science to science, engineering, the health sciences, or other areas where computer science is helping define new approaches to research. They also will have a demonstrated record of research funding and a documented record of excellent teaching at the undergraduate and graduate levels. A PhD in computer science is strongly preferred.

More information about the Tulane Computer Science Department, its faculty, its research areas and undergraduate and graduate programs can be found at <http://www.cs.tulane.edu>.

Application Instructions

A complete application should include a CV, statements on research and teaching, and at least three letters of recommendation. Applications for these positions will be reviewed starting January 1, 2016; the review and interview process will continue until all open positions are filled. These positions are subject to final administrative approval.

Candidates interested in the Yahoo! Founder Chair position may access the electronic application via the following link: apply.interfolio.com/31595.

Candidates interested in the tenured/tenure-track open rank positions should apply electronically via the following link: apply.interfolio.com/31616.

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

U.S. Naval Academy

Department Chair, Cyber Science Department

The U.S. Naval Academy invites applications for the position of Department Chair for the new Cyber Science Department in support of growing Cyber education initiatives. This growing Academy-wide initiative includes (1) a newly developed Cyber Operations major, (2) two required technical Cyber courses for all midshipmen, and (3) the design and construction of a new state-of-the-art building intended for multi-disciplinary cyber education and research. Given the breadth of the cyber discipline, a variety of academic backgrounds are encouraged to apply.

Professional Opportunities

The requirements of the department chair position include leading, managing, and mentoring faculty in a new Cyber Science Department that is focused on developing, mentoring, and teaching midshipmen in an undergraduate academic cyber program. Candidates should have an interest in and understanding of Cyber Operations as well as practical teaching and/or research experience involving technical or non-technical cyber content.

Candidates must have an earned doctorate as well as expertise in a cyber-relevant field, which includes both technical and non-technical fields such as Computer Science, Computer Security, Computer Engineering, Electrical Engineering, and Political Science.

For full details see <http://www.usna.edu/HRO/jobinfo/CyberSciDeptChair2015.php>. Applications will be reviewed beginning October 5, 2015 but the position will remain open until filled.

U.S. Naval Academy

Richard Keyser Distinguished Professor of Cyber Studies

Applications are invited for the Richard Keyser Distinguished Professor of Cyber Studies in the Department of Cyber Science with a joint appointment in the Center for Cyber Security Studies, both at the U.S. Naval Academy. This is a two-year, renewable, fixed term appointment (non-tenure track).

The primary duty will be to teach in the Cyber Operations major and core Cyber Security courses, while also developing new cyber-related courses. The courses taught will align with the background of the candidate, but can include introductory courses, as well as advanced courses in the Cyber Operations major. Additional duties include assisting midshipmen with research, giving seminars and guest lectures for faculty and midshipmen groups – including a yard-wide lecture – and

hosting guest speakers at the Academy for lectures and seminars.

Candidates must hold an advanced degree (MS or PhD), preferably in Computer Science, Information Technology, Systems Engineering or similar technical field.

For full details see: <http://www.usna.edu/HRO/jobinfo/DistProfCyber2015.php>

The U.S. Naval Academy

Tenure Track Position

The U.S. Naval Academy invites applications for a tenure track position in the Department of Cyber Science in support of growing Cyber education initiatives.

The requirements of the position include: teaching and developing undergraduate courses focused on Cyber Operations, academic research in the area of Cyber Operations, and mentoring of students and faculty. Candidates should have an interest in and understanding of Cyber Operations as well as practical teaching and/or research experience involving technical or non-technical cyber content (e.g. programming, systems, networks, SCADA systems, forensics, law, ethics, policy, etc.).

A Ph.D. in a cyber-relevant field, which includes fields such as Computer Science, Information Technology, Computer Security, Computer Engineering, and Electrical Engineering is required (anticipated completion of Ph.D no later than July 2016 is acceptable).

For full details see <http://www.usna.edu/HRO/jobinfo/DistProfCyber2015.php>. Applications will be reviewed beginning October 5, 2015 but the position will remain open until filled.

Union College, Schenectady, NY

Computer Science

Assistant Professor

Specialization is open.

Union College invites applications for a tenure track assistant professor position in Computer Science, beginning September 2016. Specialization is open. We will begin reviewing applications December 15, 2015, and will continue until the position is filled. Union emphasizes close collaborations between faculty and students and the department is involved in many interdisciplinary activities. Union College is an equal opportunity employer and strongly committed to student and workforce diversity.

Application Instructions

For information, see <http://cs.union.edu/jobs>

University of Alabama

Computer Science

Tenured/Tenure-Track Faculty Positions

Openings exist for two Assistant/Associate/Full professors in software engineering with specific application to data analytics or computational modeling starting in Fall 2016. 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. Candidates will be expected to form collaborations with the new NOAA Water Center on UA's campus (<http://nws.noaa.gov/oh/nwc/>). The CS department has twenty-four faculty members (15 tenured/tenure track faculty, seven of whom have interests in software engineering), over 600 undergraduates in an ABET accredited B.S. degree program, and 40 graduate students. The department also offers a Software Engineering Concentration for its undergraduates.

Professional Opportunities

The University of Alabama is the Capstone of higher education in Alabama and the largest institution in the State, with enrollment of roughly 37,000 students. UA is located on a beautiful 1,168 acre residential campus in Tuscaloosa, a dynamic community of over 150,000.

For additional details and to apply, visit <http://se.cs.ua.edu/facultyjobs> or contact Dr. Jeffrey Carver (carver@cs.ua.edu). 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.

University of Alabama

*Tenured/Tenure-Track Faculty Position,
Computer Science*

All Areas of Computer Science

The Department of Computer Science at the University of Alabama invites applications for a tenure-track faculty position at either the Assistant or Associate level, to begin August 2016. Outstanding candidates in all areas of computer science will be considered.

Located in Tuscaloosa, AL, the University of Alabama is the capstone of higher education in the State. The student-centered research institution is also the State's largest, with roughly 36,000 students. Housed in the College of Engineering, the Computer Science Department has 22 faculty members (14 tenured/tenure track faculty), and approximately 500 undergraduate and 50 graduate students.

For additional details, visit <http://cs.ua.edu/> or contact Dr. Susan Vrbsky (faculty search@cs.ua.edu). To apply, visit: <http://facultyjobs.ua.edu/postings/37597>. Review of applications will begin November 30 and will continue until the position is filled.

The University of Alabama is an equal opportunity/affirmative action employee.

Women and minority applicants are particularly encouraged to apply.

The University of Alabama at Birmingham

Computer Systems Manager

The University of Alabama at Birmingham (UAB) is a comprehensive urban university with a nationally recognized academic health center. UAB is the only public, four-year degree granting university in the state's largest metropolitan area. It is the largest research institution in the state of Alabama and the largest employer in the city of Birmingham. The Department of Computer and Information Sciences (CIS) is housed within the College of Arts and Sciences (CAS). The Computer and Information Sciences mission is excellence in teaching, research, and service that advances the UAB mission, while serving its students, community, state, region, and nation. Our graduates bring technical, ethical, and life-long learning skills to Computer and Information Science careers. The undergraduate UAB Computer and Information Sciences degree is accredited by the Computing Accreditation Commission of ABET, www.abet.org. Additionally, CIS offers high quality programs of study leading to MS and PhD degrees in Computer and Information Sciences, as well as an inter-disciplinary Bioinformatics program and offers a shared-MS degree program with Justice Sciences and the UAB School of Business in Computer Forensics and Security Management (MS-CFSM). Our CIS research is funded by the National Science Foundation, the National Institutes of Health, the Department of Homeland Security, among others. The department hosts a seminar series and has an active student ACM chapter.

We are currently looking for a **Computer Systems Manager** that will conduct the analysis, design, estimating, development,

documentation, testing, configuration and implementation of new hardware and software systems as well as develop and implement information security training and awareness. The successful candidate will be responsible for server side configuration, maintenance, and management; will manage the CIS helpdesk issue tracking system and ensure issues are resolved in a timely manner; maintain multiple computer labs and research labs; manage CIS facilities that include faculty office, teaching labs and research; and a host of other duties related duties.

Qualified candidates will have a Bachelor's degree in a related field and five (5) years of related experience is required. Extensive experience with Linux server configuration/management and configuration and management of storage systems (SAN, NAS, direct-attach, cloud-based) is highly preferred along with basic knowledge of data center operations and network technologies and experience in a high-level programming language and scripting languages. Experience with package deployment tools is a plus.

For the complete job description with a list of responsibilities and to submit your application, visit <https://uab.taleo.net/careersection/ext/jobdetail.ftl?job=T32345>

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.

Professional Opportunities

University at Albany - SUNY

Computer Engineering Assistant Professors

The College of Engineering and Applied Sciences at the University at Albany - SUNY is seeking applicants for assistant professor tenure-track faculty positions beginning either Spring or Fall 2016 in the recently-created Computer Engineering Department. While the search is primarily at the Assistant Professor level, we will consider more senior applicants with appropriate credentials.

The successful candidates will have expertise in one or more areas of computer or electrical engineering including, but not limited to, hardware design, embedded systems, mobile and ubiquitous computing, networking, and software engineering. Applicants should be committed to teaching, research, and service in an interdisciplinary environment, and will be encouraged to participate in curriculum development.

We would welcome applications from a cluster of faculty involved in collaborative research in computer engineering.

Applicants must have a Ph.D. in Computer Engineering, Electrical Engineering, or a closely-related discipline, or anticipate completion by August 2016. For a complete job description and application procedures, please visit: <https://albany.interviewexchange.com/jobofferdetails.jsp?JOBID=55601>

The College of Engineering and Applied Sciences also includes Computer Science, Informatics, and Information Studies departments. For additional information on the College and its departments, please visit: www.albany.edu/ceas/.

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

University of Arkansas

Tenure-Track or Tenured Full Professor Position

The Department of Computer Science and Computer Engineering at the University of Arkansas invites applications for a tenure-track or tenured full professor position in big data analytics with a start date of August 2016. Applicants should present an excellent track record in scholarship, sustained external funding, and teaching and are expected to have national and international recognition.

For application details, visit <http://csce.uark.edu>.

The UA is AA/EO employer/Veterans/Disabled.

University of Arkansas, Fayetteville, Arkansas

Computer Science and Computer Engineering

Assistant Professor

The Department of Computer Science and Computer Engineering at the University of Arkansas invites applications for a tenure-track assistant professor position in Electronic Design Automation (EDA) with a start date of August 2016. Applicants are expected to have demonstrated knowledge and expertise in EDA algorithms, optimization methods, implementations, and software architecture.

For application details, visit <http://csce.uark.edu>.

The UA is AA/EO employer/Veterans/Disabled.

University of California, Irvine

Computer Science Department

Tenure-Track Assistant Professor Position

The Department of Computer Science (CS) at the University of California, Irvine (UC Irvine) invites applications for a tenure-track Assistant Professor position. We

are particularly interested in candidates with expertise in areas such as Artificial Intelligence, Machine Learning, and Natural Language Processing. Exceptionally qualified more advanced candidates may also be considered for a tenured position.

The department has 46 faculty members and 297 graduate students. Faculty research spans a broad spectrum of areas in CS. Prospective applicants are invited to visit our webpages at <http://www.cs.uci.edu>. Applicants must have an earned Ph.D. or equivalent degree. Screening will begin immediately upon receipt of a completed application. Applications will be accepted until the position is filled, although maximum consideration will be given to applications received by January 1, 2016. Each application must contain: a cover letter, CV, up to 3 key publications, a statement of research and teaching interests, and 3-5 letters of recommendation. A separate statement that addresses past and/or potential contributions to diversity, equity and inclusion should also be included in the application materials. All materials must be uploaded using the links below.

Tenure-Track Assistant Professors may apply at: <https://recruit.ap.uci.edu/apply/JPF03163>

Tenured Associate Professors may apply at: <https://recruit.ap.uci.edu/apply/JPF03166>

The University of California, Irvine is an Equal Opportunity/Affirmative Action Employer advancing inclusive excellence. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, protected veteran status, or other protected categories covered by the UC nondiscrimination policy. A recipient of an NSF ADVANCE award for gender equity, UCI is responsive to the needs of dual career couples, supports work-life balance through an array of family-friendly policies, and is

Professional Opportunities

dedicated to broadening participation in higher education.

University Of California, Los Angeles

Computer Science Department

Tenure-Track Positions

The Computer Science Department of the Henry Samueli School of Engineering and Applied Science at the University of California, Los Angeles, invites applications for tenure-track positions in all areas of Computer Science. Applications are also encouraged from distinguished candidates at senior levels. Candidates must have a Ph.D. to fulfill the basic qualification requirement. Quality is our key criterion for applicant selection. Applicants should have a strong commitment both to research and teaching and an outstanding record of research for their level of seniority. Salary is commensurate with education and experience.

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, sexual orientation, gender identity, disability, age or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy see: [UC Nondiscrimination & Affirmative Action Policy](#).

The department is committed to building a more diverse faculty, staff and student body as it responds to the changing population and educational needs of California and the nation. To apply, please visit <https://recruit.apo.ucla.edu/apply/JPF01512>. Applications will be accepted through December 15, but will be evaluated starting November 1st. We encourage early application.

University of California Riverside - Cybersecurity

FACULTY POSITIONS in Cyber-security

Department of Computer Science and Engineering

Bourns College of Engineering

The University of California at Riverside (UCR) is embarking on a major new hiring initiative that will add 300 tenured and tenure-track positions in 33 cross-disciplinary areas selected through a peer-reviewed competition. Over the next three years, we will hire multiple faculty members in each area and invest in research infrastructure to support their work. This initiative will build critical mass in vital and emerging fields of scholarship, foster truly cross-disciplinary work and further diversify the faculty at one of America's most diverse research universities. We encourage applications from scholars committed to excellence and seeking to help redefine the research university for the next generation.

The Department of Computer Science and Engineering, University of California, Riverside invites applications for three tenure-track and/or tenured faculty positions in Cyber-security, with particular interest in: (a) operating systems/distributed system security, (b) software security, (c) applied cryptography, and (d) human computer interaction for understanding and improving the security of systems. 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.

The CSE department offers several undergraduate degrees, as well as MS and Ph.D. degrees in Computer Science. The Department currently has 25 faculty members, including multiple ACM/IEEE/AAAS Fellows and Young Investigator/NSF CAREER award holders, who pride themselves in combining top quality teaching with cutting edge research. The research projects in the

department are funded by federal (NSF, NIH, AFOSR, DoD) or industrial sponsors, with the new awards for 2015/16 exceeding 6 million dollars. More information regarding the department is available at <http://www.cs.ucr.edu>.

UCR is a world-class research university with an exceptionally diverse undergraduate student body. Its mission is explicitly linked to providing routes to educational success for underrepresented and first-generation college students. A commitment to this mission is a preferred qualification.

Advancement through the faculty ranks at the University of California is through a series of structured, merit-based evaluations, occurring every 2-3 years, each of which includes substantial peer input.

Full consideration will be given to applications received by January 2, 2016. We will continue to consider applications until the positions are filled. Salary level will be competitive and commensurate with qualifications and experience. Positions require a Ph.D. in Computer Science (or in a closely related field) at the time of employment. 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.

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, sexual orientation, gender identity, national origin, age, disability, protected veteran status, or any other characteristic protected by law.

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University of California Riverside

*FACULTY POSITION in BIG DATA MANAGEMENT
Bourns College of Engineering*

The University of California at Riverside (UCR) is embarking on a major new hiring initiative that will add 300 tenured and tenure-track positions in 33 cross-disciplinary areas selected through a peer-reviewed competition. Over the next three years, we will hire multiple faculty members in each area and invest in research infrastructure to support their work. This initiative will build critical mass in vital and emerging fields of scholarship, foster truly cross-disciplinary work and further diversify the faculty at one of America's most diverse research universities. We encourage applications from scholars committed to excellence and seeking to help redefine the research university for the next generation.

The Bourns College of Engineering is leading cluster hires to enhance UCR's research strengths in Data Science. Five such hires have been approved for the Data Science cluster and will have potential home departments in Engineering or the Sciences. Candidates are expected to foster research collaborations with existing faculty across academic departments working on Data Science related topics (including astronomy, biological sciences, computational biology, environmental sciences, physics, precision agriculture, etc.) This year we are seeking to fill one tenured/tenure-track faculty position from the Data Science cluster, in the area of Big Data Management with emphasis on scalable data management, big data analytics, and scalable data mining. While priority will be given to senior candidates, promising junior candidates will also be considered and are encouraged to apply.

Salary level will be competitive and commensurate with qualifications and experience. A Ph.D. in a relevant area at

the time of employment is a minimum requirement. Senior candidates need to have an outstanding record of research, funding support, teaching, and graduate student mentorship, while junior candidates need to show potential to excel in these areas.

UCR is a world-class research university with an exceptionally diverse undergraduate

student body. Its mission is explicitly linked to providing routes to educational success for underrepresented and first-generation college students. A commitment to this mission is a preferred qualification.

Advancement through the faculty ranks at the University of California is through a series of structured, merit-based evaluations.



UC SANTA CRUZ

Assistant Professor, Computational Media

The Computational Media Department at the University of California, Santa Cruz (UCSC) invites applications for a tenure track Assistant Professor faculty position. We seek outstanding applicants with an established record of research in the area of generative methods, ideally connecting novel technology research with practices of design and/or interpretation. Applicants should have an established research record in one or more aspects of generative methods, including (but not limited to): procedural content generation for games (levels, art assets, non-player character AI, virtual worlds, etc.), procedural generation of complete games or game-like experiences, computational creativity, procedural computer graphics techniques, mixed initiative creativity support systems, artificial life and artificial life based media experiences, computational cinematography, computational arts and crafts, parametric design, generative music for games or computational media experiences, procedural generation of language or narrative in media experiences.

The faculty member in this position will be expected to develop a research program, advise graduate students in their research area, obtain external funding, develop and teach courses (including technically oriented courses) within the undergraduate and graduate curriculum, and perform university and professional service. The successful candidate must be able to work with students, faculty and staff from a wide range of social and cultural backgrounds. We are especially interested in candidates who can contribute to the diversity and excellence of the academic community through their teaching, research, and/or service.

BASIC QUALIFICATIONS: Ph.D. or equivalent foreign degree in Computer Science, Digital Media, Human Computer Interaction, Computer Games, Computational Media or other relevant field, expected to be conferred by June 30, 2016; demonstrated record of research; and, teaching experience (demonstrated by college level teaching experience, TA experience, research presentations and/or professional training seminars)..

POSITION AVAILABLE: July 1, 2016, with academic year beginning September 2016. Ph.D. must be conferred by June 30, 2017 for employment beyond that date.

TO APPLY: Applications are accepted via the UCSC Academic Recruit online system, and must include a letter of application, curriculum vitae, a statement of research plans, a statement of teaching interests, 3-5 selected publications, and 3-4 confidential letters of reference.* Applicants are invited to submit a statement addressing their contributions to diversity through research, teaching, and/or service. Documents/materials must be submitted as PDF files.

Apply at <http://apptrkr.com/685026>

Refer to Position #JPF00317-16 in all correspondence.

CLOSING DATE: Review of applications will begin on January 8, 2016.

The University of California, Santa Cruz is an Affirmative Action/Equal Employment Opportunity Employer.

Professional Opportunities

occurring every 2-3 years, each of which includes substantial peer input.

Full consideration will be given to applications received by January 4, 2016. We will continue to consider applications until the position is filled. To apply, please register through the weblink at <http://www.engr.ucr.edu/facultysearch/>. For inquiries and questions, please contact us at datascience@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, sexual orientation, gender identity, national origin, age, disability protected veteran status, or any characteristic protected by law.

University of California Riverside

FACULTY POSITIONS

*Department of Computer Science and
Engineering*

Bourns College of Engineering

The Department of Computer Science and Engineering, University of California, Riverside invites applications for **two tenure-track and/or tenured faculty positions** to begin in the 2016-17 academic year. Priority will be given to candidates in the areas of (1) Computer Graphics, Animation, and Gaming, and (2) Software Engineering; however, exceptional candidates in other areas may also be considered. Salary level will be competitive and commensurate with qualifications and experience. A Ph.D. in Computer Science (or in a closely related field) at the time of employment is required. Senior candidates need to have an outstanding record of research, funding support, teaching, and graduate student mentorship, while junior candidates need to show potential to excel in these areas. Advancement through the faculty ranks

at the University of California is through a series of structured, merit-based evaluations, occurring every 2-3 years, each of which includes substantial peer input.

The CSE department offers several undergraduate degrees, as well as MS and Ph.D. degrees in Computer Science. The Department currently has 25 faculty

members, including multiple ACM/IEEE/AAAS Fellows and Young Investigator/NSF CAREER award holders, who pride themselves in combining top quality teaching with cutting edge research. The research projects in the department are funded by federal (NSF, NIH, AFOSR, DoD) or industrial sponsors, with the new awards for 2015/16 exceeding 6



UC SANTA CRUZ

Assistant Professor Positions

The Department of Computer Science at the University of California, Santa Cruz invites applications for two tenure track (Assistant Professor) faculty positions; one in cybersecurity and the other in data privacy. We seek outstanding applicants with appropriate expertise, established records, and exceptional potential for research in the area of cybersecurity or data privacy. In cybersecurity, our focus is toward candidates whose work is in applied areas such as information security, networked system security, secure systems, trustworthy computing, and infrastructure and IoT security. In data privacy, we have a preference for candidates who have expertise in information privacy, privacy in data science, and tools and systems for ensuring data privacy. The successful candidates are expected to develop a research program, advise graduate students in their research area, obtain external funding, develop and teach courses within the undergraduate and graduate curriculum, and perform university and professional service. The candidate must be able to work with students, faculty, and staff from a wide range of social and cultural backgrounds. We are especially interested in candidates who can contribute to the diversity and excellence of the academic community through their research, teaching, and/or service.

BASIC QUALIFICATIONS: A Ph.D. or equivalent foreign degree in Computer Science or other relevant field, expected to be conferred no later than June 30, 2016; demonstrated record of research and teaching in higher education.

PREFERRED QUALIFICATIONS: Demonstrated potential for excellence in research; ability to develop an externally funded research program.

POSITION AVAILABLE: July 1, 2016 with academic year beginning September 2016. Degree must be conferred by June 30, 2017 for employment beyond that date.

TO APPLY Applications are accepted via the UCSC Academic Recruit online system, and must include a letter of application, curriculum vitae, a statement of research plans, a statement of teaching interests and experience, 3-4 selected publications, and 3-4 letters of reference*. Applicants may also submit an optional statement addressing their contributions to diversity through research, teaching, and/or service. All materials must be submitted as PDF files.

Apply at <http://apptrkr.com/677091>

Refer to Position #JPF00315-15 in all correspondence

CLOSING DATE: To ensure full consideration, applications should be complete and letters of recommendation received by this date. The position will remain open until filled, but not later than 6/30/2016.

The University of California, Santa Cruz is an Affirmative Action/Equal Employment Opportunity Employer.

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million dollars. More information regarding the department is available at <http://www.cs.ucr.edu>.

Full consideration will be given to applications received by January 2, 2016. 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.

UCR is a world-class research university with an exceptionally diverse undergraduate student body. Its mission is explicitly linked to providing routes to educational success for underrepresented and first-generation college students. A commitment to this mission is a preferred qualification.

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, sexual orientation, gender identity, national origin, age, disability protected veteran status, or any characteristic protected by law.

University of California, Santa Barbara

Department of Electrical and Computer Engineering - Computer Engineering Program

Lecturer with Potential Security of Employment in Computer Engineering

The Electrical and Computer Engineering Department at the University of California, Santa Barbara invites applications for a Lecturer with Potential Security of Employment position in the area of Computer Engineering, with a start date of Fall quarter 2016. For more details please visit <http://www.ece.ucsb.edu/employment/>.

The University of California is an Equal Opportunity/Affirmative Action Employer and all qualified applicants will receive

consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law.

University of California, Santa Barbara

Two Tenure-Track Appointments

The University of California, Santa Barbara invites applicants for two tenure-track appointments at the Assistant Professor level in the Department of Computer Science, effective July 1, 2016. Applicants must have a Ph.D. in computer science or a closely related field. We are looking for exceptional individuals from all areas of computer science who have the potential to become outstanding research and education leaders. We are especially interested in the broad areas of Big Data, focusing on large-scale data gathering, mining and learning, and Physical Computing, focusing on tight integration of computational and physical systems. Qualified candidates will be considered for appointment to the Eugene Aas Endowed Chair.

The department seeks individuals with promise and a proven track record of research excellence, a deep commitment to educating undergraduate and graduate students, and professional leadership abilities. We are particularly interested in candidates who value cross-disciplinary and collaborative research.

UC Santa Barbara is a premier public research university. The Department of Computer Science is part of the College of Engineering, in which all five departments are ranked among the top ten by the National Research Council (NRC). With 34 full-time faculty and more than 120 doctoral students currently, the Department of Computer Science has witnessed a rapid rise over the past ten years, both in size and stature.

We are looking for candidates who will add to the department's dynamic culture and stimulating intellectual environment.

Additional information about the department and our academic programs can be found at <http://www.cs.ucsb.edu>.

Primary consideration will be given to applications received by December 15, 2015, however the position will remain open until filled. Applications should be submitted electronically as PDF documents to: <https://recruit.ap.ucsb.edu/apply/JPF00544>

Applications must include a detailed resume, research and teaching statements, three reference letters and three publications.

The department is especially interested in candidates who can contribute to the diversity and excellence of the academic community through research, teaching and service. The University of California is an Equal Opportunity/Affirmative Action Employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law.

University of Central Arkansas

*Department of Computer Science
Chair*

The University of Central Arkansas (UCA) invites applications and nominations for the position of Chair of the Department of Computer Science. Reporting to the Dean of the College of Natural Sciences and Mathematics, the Chair is responsible for an ABET accredited BS Program in Computer Science with more than 200 majors along with an MS program in Applied Computing. The successful candidate will work with 10 talented faculty members to support current programs, and to develop new programs in related areas, e.g. software engineering,

Professional Opportunities

mobile systems, or other areas appropriate to the developing technology-based industrial infrastructure in Central Arkansas. Conway is home to both established and start-up information technology companies and provides many opportunities for university-industry collaboration. The incoming chair will have the opportunity to play a major role in determining the future direction of the department and its programs. Candidates should have an earned doctorate in Computer Science/Engineering or a closely related field; a strong record of teaching, research, scholarship, and service to support a tenured appointment at the rank of associate or full professor; demonstrated leadership and administrative skills; a clear vision for the future growth and diversification in computer science and related engineering fields; a demonstrated ability to work with industrial partners; the ability to communicate effectively and clearly; strong interpersonal skills; and a commitment to enhance the representation and success of underrepresented populations.

Candidates should submit a complete application including a cover letter, curriculum vitae, a statement of leadership, research, and teaching philosophies, and contact information for three references. All materials must be submitted to <https://jobs.uca.edu/>. The desired starting date is January 4, 2016. Application review begins October 5 and continues until the position is filled. UCA is an E0/AA Employer.

Application Information

Contact:

Dr. Stephen Addison, Dean
College of Natural Sciences and
Mathematics
University of Central Arkansas
201 S. Donaghey Avenue, LSC 105
Conway, AR 72035
Email: saddison@uca.edu
Telephone: 501 450 3199
Online App. Form: <https://jobs.uca.edu/>

University of Central Florida

Computer Science

Multiple Tenure-Track Faculty Positions

The Computer Science Division in the College of Engineering and Computer Science at UCF invites applications for three tenure-track (or tenured) positions at the assistant (or associate) professor level, starting Fall 2016. Successful candidates will have a record of high-quality publications and be recognized for their expertise and the impact of their research. Successful candidates at the level of associate professor must have a record commensurate with that rank. We welcome exceptional applicants from all CS research areas though we are particularly interested in applicants in the following areas: *cyber security, algorithms and the theory of computing, and human-computer interaction.*

All applicants must have a Ph.D. from an accredited institution in an area appropriate to Computer Science and a strong commitment to the academic process, including scholarly publications, sponsored research, and teaching.

Computer Science at UCF has a rapidly-growing educational and research program with over \$4.5 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, Big Data, and Human-Computer Interaction. The CS Division is also well-known for the success of its two-time defending National Champion Cyber Defense team and the exceptional record of its programming teams in regional, national, and world competitions. More information about the Computer Science Division can be found at <http://www.cs.ucf.edu/>.

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.

UCF has the top-tier Carnegie Foundation designation of a "very high research activity" university, is the nation's second largest university, and is ranked by U.S. News and World Report as the third most up-and-coming university in terms of innovative changes in the areas of academics, faculty, and student life. 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.

To apply, applicants must complete an online job application at <https://www.jobswithucf.com/postings/43185>. In addition to the application, 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.

Note: Please have all documents ready when applying so they can be attached at that time. Once the online submission process is finalized, the system does not allow applicants to submit additional documents at a later date.

UCF is an Equal Opportunity/Affirmative Action employer. All qualified applicants are

Professional Opportunities

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.

Questions about the search process can be directed to cssearch@ucf.edu.

University of Chicago

Tenure-Track Positions

University of Chicago Booth School of Business is seeking to appoint outstanding scholars to tenure-track positions in Econometrics and Statistics.

Applications are invited from individuals who have earned a PhD (or equivalent) in Statistics, Economics, Computer Science, Machine Learning, or related disciplines; or expect to receive a doctorate in the near future.

Members of our faculty are expected to conduct original research of exceptionally high quality, to teach effectively, and to participate in and contribute to the academic environment. Junior candidates will be judged on potential, and we will rely heavily on the advice of established scholars.

Each candidate should submit a curriculum vitae, a sample of written work, and the names of at least two scholars qualified and willing to evaluate the candidate's ability, training, and potential for research and teaching.

Applications will be accepted online at: <http://www.chicagobooth.edu/faculty/openings>.

We will start formally reviewing applications on December 1, 2015 and strongly encourage you to complete your application by then. We will continue to accept applications until March 15, 2016.

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, 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. The University of Chicago's Statement of Non-Discrimination can be found at: <http://facultyhandbook.uchicago.edu/page/statement-non-discrimination>.

Job seekers in need of a reasonable accommodation to complete the application process should call 773-834-5286 or email hr@lists.chicagobooth.edu with their request.

The University of Cincinnati - Cincinnati, Ohio

School of Information Technology Assistant Professor

The School of Information Technology at the University of Cincinnati seeks to hire two tenure track Assistant Professors in Cybersecurity and IT Infrastructure (computer networking and storage systems) to start in August 2016. Review of the applications will start on October 1, 2015 until this position is filled.

<https://career8.successfactors.com/sfcareer/jobreqcareer?jobId=7103&company=UCPROD&username=>

Position Requirements:

An earned PhD in Information Technology or a related area is required before time of appointment. Applicants with a minimum of ABD in Information Technology or a related area will be considered for the interview provided there is evidence that they will complete their PhD by time of appointment.

University of Colorado Boulder

Department of Computer Science Assistant Professor

The Department of Computer Science at the University of Colorado Boulder seeks applications for multiple tenure-track

positions. The openings are targeted at the level of Assistant Professor, although candidates at higher ranks may be considered. Research areas of particular interest include, but are not limited to, the areas of secure and reliable software systems (with an emphasis in software engineering and/or security), network science, scientific data analysis and visualization, computer systems as applied to autonomous and networked devices, and theoretical computer science. Candidates must have a Ph.D. in computer science or a related discipline and must show promise in their ability to develop an independent and internationally recognized research program. They must also display an ability, a record of excellence, and/or a commitment to teaching and working with undergraduate and graduate students of diverse backgrounds. Our department values inclusive excellence and we seek candidates that understand the benefits that diversity brings to scientific innovation and who, through their work, develop technologies that impact a wide range of communities. Our department is also responsive to dual career situations.

We will be accepting applications starting November 5th, 2015. Details available at: <http://www.cs.colorado.edu/~kena/2015CSFacultySearch/>

The University of Colorado Boulder is an Equal Opportunity Employer.

The University of Colorado Boulder conducts background checks for all final applicants.

University of Colorado, Boulder, CO

Institute of Cognitive Science

Tenure-Track Faculty, Sr. Assistant or Associate - Cognitive/Neuroscience

ICS Tenure Track Faculty: Sr. Assistant or Associate Level, Fall 2016, Posting #F02900

The Institute of Cognitive Science at the University Colorado Boulder is seeking to hire

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a tenure-track professor at the advanced Assistant or Associate level (position #00717347). We are particularly interested in applicants with expertise in the analysis, modeling, and interpretation of complex data sets using advanced computational techniques from fields such as machine learning, statistics, signal processing, and network analysis.

Full announcement and link to application page: tinyurl.com/BoulderCogSci

University of Colorado Boulder

Multiple Tenure-Track Positions

The newly established Department of Information Science in the College of Media, Communication and Information at the University of Colorado Boulder seeks outstanding candidates for multiple tenure-track positions at all ranks. Successful candidates will help shape the future of Information Science—as a Department and as a discipline—and support the growth trajectory of the new College. The Department takes a progressive approach to the discipline of Information Science, focusing on human-data interaction in all its diverse forms and contexts.

The roster of the Department's founding faculty reveals a diversity of backgrounds and interests that constitutes a shared commitment to progressive visions of Information Science. Our current faculty have training in multiple disciplines that include Cognitive Science, Computer Science, Computer-Supported Cooperative Work, Data Science, Education, Human-Computer Interaction, Humanities, Informatics, Law, Media Studies, and Psychology. The Department of Information Science collaborates extensively with the Department of Computer Science and is a member of the campus-wide Human-Centered Computing community.

Candidates must have a Ph.D. in Information Science, Computer Science, or a related discipline. Candidates must show evidence of or an ability to develop an independent research program; a commitment to teaching; a desire to direct their scholarly interests toward the discipline of information science; and a desire to contribute to a rapidly expanding institutional environment. We direct applicants to the full-length version of the call (<http://www.jobsatcu.com:80/postings/107999>) for additional information. Applications will be evaluated beginning November 2, 2015. The search will continue until positions are filled.

CU-Boulder is a research university with about 25,000 undergraduates and 6,000 graduate students. Located at the base of the Rocky Mountains yet only 27 miles from Denver, Boulder is frequently named one of the most desirable places in the US to live.

Application materials are accepted electronically at <http://www.jobsatcu.com:80/postings/107999>, job number #F02925. The University of Colorado is an Equal Opportunity/Affirmative Action employer.

University of Connecticut

Computer Science & Engineering Department Assistant Professor-in-Residence

The University of Connecticut invites applications for two nine-month, non-tenure-track faculty positions in the Computer Science & Engineering Department.

For full job description please visit our website at www.cse.uconn.edu.

UConn is an EEO/AA Employer.

University of Georgia

Tenure-Track Assistant Professor Position

The Department of Computer Science at the University of Georgia invites applications for a tenure-track assistant professor position,

starting August 2016. Applicants should hold a PhD in Computer Science or closely related field, have a strong research record, and be committed to excellence in both research and teaching.

We are especially interested in candidates with research background in Data and Communications Privacy. Highly qualified applicants in other areas related to Computer Security and Privacy will also be considered. We currently have three successful faculty members working in the Cybersecurity area, with focus on Systems and Network Security. The ideal candidate for this position will complement and further strengthen our department's research and education efforts in Computer Security and Privacy.

This position is part of the UGA President's Informatics Hiring Initiative. The position offers a competitive salary, a generous startup package, and a very generous pre-tenure teaching load, allowing the successful candidate to establish an innovative and highly productive research program. Nine new faculty members will be hired this year through this Hiring Initiative.

UGA is currently establishing the Georgia Informatics Institute for Research and Education, which aims to strengthen research and education in informatics and information security across the entire University. Additional information about the Georgia Informatics Institute can be found at the following link: <http://columns.uga.edu/news/fulltext/georgia-informatics-institute-for-research-education-takes-shape/>

Computer Science is a growing and congenial department of 23 faculty within the Franklin College of Arts and Sciences. The department has nearly 750 undergraduate and over 150 graduate students and offers the B.S., M.S., and Ph.D. degrees in CS. The teaching load allows for substantial concentration on research. In addition to the areas in which we are recruiting, our faculty cover a broad range of research interests, including

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distributed information systems, real-time systems, databases, vision and image processing, theory, algorithms, bioinformatics and bio-imaging, simulations, computational science, parallel and distributed computing, and artificial intelligence.

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

To apply, please go to <http://facultyjobs.uga.edu/postings/372>

Please upload a cover letter, curriculum vitae, and short statements of research interests and teaching philosophy (a single PDF is preferable). Please provide contact information (email) for three references.

Review of candidates will begin on December 01, 2015 and will continue until the position is filled. Please see <http://www.cs.uga.edu> for more information about the department and the university.

The Franklin College of Arts and Sciences, its many units, and the University of Georgia are committed to increasing the diversity of its faculty and students, and sustaining a work and learning environment that is inclusive. Women, minorities, protected veterans and individuals with disability are encouraged to apply. The University of Georgia is an EOO/AA institution, and does not discriminate based on race, color, religion, sex, sexual orientation, gender identity, national origin, disability, or protected veteran status.

University of Georgia

Tenure-Track Faculty Position in Engineering Informatics and Applied Big Data-Enabled Systems

The Department of Computer Science and the College of Engineering at the University of Georgia invite applications for a tenure-track assistant professor position, starting in August 2016.

Specific areas of interest include, but are not limited to, applied big data management analytics and visualization, high performance computing, mobile and sensor-based informatics, Internet of Things, human-computer interfaces, and applied systems security and privacy. Candidates should have a Ph.D. degree in Computer Science, Computer Engineering or related fields.

To apply, please go to <http://facultyjobs.uga.edu/postings/416>

University of Illinois at Urbana-Champaign

Faculty 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 levels and in all areas in computing, broadly defined, with particular emphasis on big data and its applications, including data analytics; data center and storage systems; parallel, high-performance, and energy-efficient computing; reliable and secure computing; distributed computing; bio-inspired computing; verification; wired/wireless networking; social networking; mobile, wearable sensing & applications; and computational genomics. 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. The ECE Department has recently settled 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.

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 petascale computer, which is supported by the National Science Foundation and developed and operated by the University of Illinois' National Center for Supercomputing Applications. Qualified candidates may be hired as Blue Waters Professors who will be provided substantial allocations on and expedited access to the supercomputer. To be considered as a Blue Waters Professor, candidates need to mention Blue Waters as one of their preferred research areas in their online application, and include a reference to Blue Waters in their cover letter.

Please visit <http://jobs.illinois.edu> to view the complete position announcement and application instructions. Full consideration will be given to applications received by December 15, 2015, but applications will continue to be accepted until all positions are filled.

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The University of Illinois conducts criminal background checks on all job candidates upon acceptance of a contingent offer.

Illinois is an EEO Employer/Vet/Disabled
www.inclusiveillinois.illinois.edu.

The University of Iowa

Computer Science Department

Assistant Professor Positions, Fall 2016

The Computer Science Department at the University of Iowa, Iowa City, IA, invites applications for multiple tenure-track faculty at the level of assistant professor starting in August 2016.

Several positions are part of an institution-wide initiative in **informatics**. Of particular interest are candidates with scholarly interests in either formal or application-oriented aspects of **security, privacy and/or anonymity**, (e.g. the design, analysis and verification of secure protocols, formal methods and tools for security analysis, security for safety-critical applications, medical device security and/or real-time system security), and **text analytics** (e.g., natural language processing, computational linguistics, probabilistic and statistical text models, text and web mining frameworks, and algorithms for large scale heterogeneous and noisy text data), although we also welcome applications from collaboration-minded scholars in other application-oriented areas of informatics (e.g., data analytics, systems software, machine learning, theory and algorithms, embedded systems, networks and smart sensors, computer graphics and visualization).

Another position is part of a campus-wide interdisciplinary initiative in **public digital arts**. We seek candidates with scholarly interests at the intersection of the arts and technology, e.g., in visualization, real-time animation, interactive graphics, human-computer interaction, computer-mediated

communication, social computing, mobile or ubiquitous computing, tools for making and re-purposing digital artifacts, maker culture, multi-agent interactive systems, or related areas. Experience with applications in areas such as transmedia, interactive narratives, social, health, mobile, or educational games, is also desirable.

For all position, responsibilities include conducting externally funded research in the candidate's area of expertise, teaching undergraduate and graduate computer science and/or informatics courses, supervising graduate student research, and making service contributions to the Department, the College, the University, and the discipline. The successful candidates will also join their respective cluster initiatives and will work closely with existing faculty and staff who form the core of these ambitious programs to foster creativity and interdisciplinary collaborations. Participation in their cluster initiatives (*i.e.*, informatics and public digital arts) will be an important component of faculty performance evaluations.

Applications should contain a CV, a research and teaching statement, and three letters of recommendation. For additional information and to apply online, visit <http://www.cs.uiowa.edu/hiring/>. Applications received by January 1, 2016, are assured of full consideration.

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

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

About Iowa: With just over 30,000 students, the University of Iowa is one of the nation's top public research universities, a member of the Big Ten conference since 1899, and an Association of American Universities member since 1909. The University is known for its balanced commitment to the arts, sciences, and humanities. Located in Iowa City, an urbanized area of 100,000 people that is widely recognized as one of the country's most livable communities, the University offers over 200 majors and an annual externally funded research budget of over \$500M.

The Department of Computer Science and the College of Liberal Arts and Sciences are strongly committed to diversity; the strategic plans of the University and College reflect this commitment. All qualified applicants are encouraged to apply and will receive consideration for employment free from discrimination on the basis of race, creed, color, national origin, age, sex, pregnancy, sexual orientation, gender identity, genetic information, religion, associational preference, status as a qualified individual with a disability, or status as a protected veteran. The University of Iowa is an equal opportunity / affirmative action employer.

The University of Iowa

Tippie College of Business - Management Sciences Department

Faculty Position: Open Rank (Tenure Track)

The Department of Management Sciences is recruiting for an open rank tenure-track position in business analytics beginning August 17, 2016. Areas of interest include but are not limited to data science, data mining, text/web/social media analytics, and data visualization.

Candidates should have a Ph.D. in Computer Science, Management Science, Informatics / Information Sciences, Statistics or a related field and exhibit exceptional research and

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teaching promise. The Department offers undergraduate and doctoral programs in Business Analytics and Information Systems (BAIS); a Graduate Certificate and Master's programs in Business Analytics; and a specialization in Analytics in the Fulltime MBA program. Collaborative opportunities are available with faculty and doctoral students in other departments and interdisciplinary programs (Informatics Initiative, Applied Mathematics, and Computational Sciences).

Applications are accepted online through Jobs@UIOWA: <https://jobs.uiowa.edu/faculty/view/67548>. All applicants should submit a cover letter, curriculum vita, statement of research interests, statement of teaching interests, three references, and 1-3 research papers online. Salary is competitive and commensurate with qualifications. Screening of applications will begin October 23, 2015, and will be considered until the position is filled. The position is subject to funding.

The University of Iowa is an equal opportunity/affirmative action employer. All qualified applicants are encouraged to apply and will receive consideration for employment free from discrimination on the basis of race, creed, color, national origin, age, sex, pregnancy, sexual orientation, gender identity, genetic information, religion, associational preference, status as a qualified individual with a disability, or status as a protected veteran.

University of Kentucky

*Division of Biomedical Informatics
Developer and Project Manager*

Founded in 1865 as a land-grant institution adjacent to downtown Lexington, the University of Kentucky is nestled in the scenic heart of the Bluegrass Region of Kentucky. Recently ranked as one of the safest, most creative, and the brainiest cities in the nation, Lexington is an ideal location to

experience the work-life integration that the University strives to provide its employees. See for yourself what makes UK one great place to work.

The Division of Biomedical Informatics in the College of Medicine, the academic home of the newly formed University of Kentucky Institute for Biomedical Informatics, is looking for a talented developer and project manager to help drive its data science ambition. In this newly created position, the Biomedical Informatics Programmer will contribute to existing NIH-funded Big Data projects and

advance the innovation of tools and methods for managing large and complex data, including electro-physiological and imaging data, generated in healthcare settings for clinical and translational research.

The candidate will be working in a team-setting, with national visibility and with the responsibility for defining, designing, implementing and deploying applications supporting the entire clinical and translational science pipeline. The candidate will collaborate with informaticians, software engineers, physician investigators and



UNIVERSITY
OF MANITOBA

DEPARTMENT OF COMPUTER SCIENCE

Winnipeg, Manitoba
Canada R3T 2N2
(204) 474-8313
FAX: (204) 474-7609

The University of Manitoba
Faculty of Science
Department of Computer Science
Assistant Professor
Position #16238/21087

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, 2016**, 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.

For one position, we are seeking candidates with research expertise in the area of **Theoretical Computer Science**, with preference given to areas relevant to mobile computing. For the other position, we are primarily seeking candidates with research expertise in **Computer Security**, ideally with application to mobile computing.

Applications including a curriculum vitae and names and contact information for three references should be sent to search@cs.umanitoba.ca (PDF file preferred). Please ensure to specify position number **16238/21087** in the application. The closing date for applications is **November 30, 2015**.

To view the full advertisement please goes to:

<http://www.cs.umanitoba.ca/perch/resources/assistantprofad2015.pdf>

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project managers to evolve and update existing applications and develop new ones that put the end-user experience upfront.

A strong background in agile software development and extensive experience in deploying, maintaining and updating database-backed web-interfaced applications are desired. Additional preferred experience includes: advanced degree in computing, Unix, VMware, MVC architecture, Version Control, and Agile Web Development, MySQL, MVC, Java or MATLAB related experiences. Salary is competitive and commensurate with experience.

For inquiries or information regarding the position, please send email to Professor GQ Zhang, Director of the Institute for Biomedical Informatics, at GQ.Zhang@uky.edu.

To be considered an applicant for the position, you must submit a UK Online Application at www.uky.edu/ukjobs for job #RE04595. If you have any questions, contact HR/Employment, phone (859) 257-9555 press 2. Application deadline is 10/11/2015. The University of Kentucky is an equal opportunity employer and encourages applications from minorities and women.

Apply Here: <http://www.Click2Apply.net/4f5b4kytyt>

University of Louisiana at Lafayette

Professor and Director of the School of Computing and Informatics

The University of Louisiana at Lafayette (UL Lafayette) invites applications for the position of Professor and Director of the School of Computing and Informatics. UL Lafayette is a public research university with High Research Activity with accreditation from the Southern Association of Colleges and Schools Commission on Colleges. The School of Computing and Informatics is a unit within the University's Ray P. Authement College of Sciences.

The University has a long history in computing education, having first offered the Master's degree in computer science in 1962. The School includes the Computer Science Program, the Informatics Program, and The Center for Advanced Computer Studies. The School offers an ABET/CAC accredited Bachelor's degree in Computer Science, a Bachelor's degree in Informatics, Master's degrees in Computer Science and in Computer Engineering, and Ph.D. degrees in Computer Science and Computer Engineering. The School has an enrollment of approximately 700 students including over 100 graduate students. It is home to the first student chapter of the Association for Computing Machinery. Among the 23 full-time faculty members are two IEEE Fellows and four NSF Career Award winners. In recent years, annual new research grants awarded totals \$3M+, with an average of \$300K per year in externally funded research assistantships. UL Lafayette is the lead institution of the NSF Center for Visual and Decision Informatics. The city of Lafayette has one of the largest publically-owned fiber-to-the-home networks delivering economical broadband services to homes and businesses, for well over a decade and has attracted employers that have plans to employ well over 1,000 computer science and informatics majors in the near future.

The School is seeking a dynamic leader to leverage the University's commitment and enthusiastic community support to lead the School's academic programs and research capabilities to an international standard of excellence, with the goal of becoming a Top 25 academic unit for Computing and Informatics in the nation.

Qualifications

- An earned doctorate in computer science or a related area, combined with a strong track record in doctoral student supervision and developing a successful, externally funded research program;
- Possess a broad knowledge of computing

and informatics areas as well as having intellectual interests to enable him/her to lead or contribute to multidisciplinary efforts in studies and research;

- Strong record of successfully initiating and managing relationships with industrial or governmental agency partners;
- Experience and accomplishments in leadership roles, preferably at a research university, in promoting academic quality and vitality, including promoting experiential learning opportunities for students;
- Record of entrepreneurial and innovative skills in developing and communicating a vision within an academic environment and implementing the vision in a collaborative, transparent manner;
- Excellent communication and relationship building skills and the ability to effectively work with individuals from diverse groups and disciplines and engage both internal and external stakeholders.

The expected start date is August 2016. Applicants should send complete application packages, including a letter of application, curriculum vitae, short statements of research, teaching, and leadership philosophy, and contact information of five references electronically (as a single pdf file) to Professor Magdy Bayoumi at (dcmix@cacs.louisiana.edu). To ensure full consideration, receipt of complete application material is required on or before October 31, 2015.

University of Maryland Baltimore County

Computer Science and Electrical Engineering

Lecturers

The CSEE Department at UMBC invites applications for three non-tenure track lecturer positions in computer science to begin in Spring or Fall 2016. Duties include teaching computer science courses at the

Professional Opportunities

undergraduate level. Applicants must have an MS or a PhD in computer science or a closely related field. Ideal candidates will have strong teaching and administrative skills. Experience in academia, industry or government will be considered. The department is research-oriented and multi-disciplinary with programs in CS, CE, EE, and Cybersecurity.

Applications must be submitted at apply.
interfolio.com/31380

UMBC is an affirmative action / equal opportunity employer

University of Maryland, Baltimore County

Computer Science and Electrical Engineering

Multiple Tenure-Track Faculty Positions

UMBC's CSEE department invites applications for three tenure-track Assistant Professor positions to begin in Fall 2016. Exceptionally strong candidates for higher ranks may be considered. Applicants must have or be completing a Ph.D. in a relevant discipline, have demonstrated the ability to pursue a research program, and have a strong commitment to teaching.

All areas of specialization will be considered, but we are especially interested in candidates in the following areas: information assurance and cybersecurity; mobile, wearable and IoT systems; big data with an emphasis on machine learning, analytics, and high-performance computing; knowledge and database systems; hardware systems and experimental methods in circuits, devices, VLSI, FPGA, and sensors; cyber-physical systems; low-power systems; biomedical and healthcare systems; and methods and tools for hardware-software co-design.

The department is energetic, research-oriented and multi-disciplinary with programs in Computer Science, Computer

Engineering, Electrical Engineering and Cybersecurity enrolling 1500 undergraduate and 400 graduate students. Our faculty (34 tenure-track, six teaching and 15 research) enjoy working across our specializations as well as with colleagues from other UMBC departments and external partners.

UMBC is a dynamic public research university integrating teaching, research and service. The 2015 US News and World Report placed us fourth in the *Most Innovative National University* category and sixth in *Best Undergraduate Teaching*. Our strategic location in the Baltimore-Washington corridor is close to many federal laboratories and agencies and high-tech companies, facilitating interactions, collaboration, and opportunities for sabbaticals and visiting appointments.

Submit applications at <http://apply.interfolio.com/31543> by 01/15/2016 for full consideration. See <http://bit.ly/UMBCtt> for more information. UMBC is an affirmative action/equal opportunity employer.

University of Massachusetts Amherst

Assistant / Associate Professor Positions

The College of Information and Computer Sciences at the University of Massachusetts Amherst invites applications for multiple tenure-track faculty positions in computer science for the 2016-2017 academic year. Applicants must have a Ph.D. in Computer Science or a related area, and should show evidence of exceptional research promise.

Subareas of interest include 1) Security and Privacy and 2) Data Science. We are seeking talented applicants at both the assistant and associate professor levels. Under exceptional circumstances, highly qualified candidates at other ranks may receive consideration. In a separately advertised search, we are also hiring in the area of wearable and mobile health sensing.

Computer Science at the University of Massachusetts Amherst is in the midst of a major expansion of its highly ranked program. Recent initiatives include its elevation to a College, creation of the Center for Data Science, and formation of the Cybersecurity Institute. Our college 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, behavioral sciences, economics, political science, 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, visit <https://cics.umass.edu>.

Applicants should submit a cover letter, a curriculum vita, research statement, statement of teaching interests, and the names and contact information for three references, using the submission link specific to the <http://umass.interviewexchange.com/candapply.jsp?JOBID=64843> (Security and Privacy)

<http://umass.interviewexchange.com/candapply.jsp?JOBID=64842> (Data Science)

Review of applications will begin on November 30, 2015 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.

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.

Professional Opportunities

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 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 Lowell

Assistant/Associate Professor - Computer Science (2 positions)

The University of Massachusetts, Lowell Department of Computer Science invites applications for two faculty positions to start in September 2016. These are tenure-track positions and ranks are open.

Appointments at the rank of Associate Professor could be made tenured based on qualifications.

The University of Massachusetts Lowell is a tier 1 public research university with a national reputation in science, engineering and technology, committed to educating students for lifelong success in a diverse world and conducting research and outreach activities that sustain the economic, environmental and social health of the region. In February of 2009, a campus-wide strategic planning initiative was launched to reposition UMass Lowell as a world-class institution over the next decade. A major component of that initiative is to ensure that diversity and inclusion are in every aspect of our strategic plan. We seek a diverse talented candidate pool to be part of our mission and achievements.

UMass Lowell is located about 25 miles northwest of Boston in the high-tech

corridor of Massachusetts. The Department of Computer Science currently has 17 tenured and tenure-track faculty members, 3 full-time lecturers, and a few adjunct instructors serving over 700 BS students, 161 MS students, and 77 PhD students. It also offers an MS in Information Technology online program with over 100 students. It offers bioinformatics options at all levels, a robotics minor, a data science option, and a PhD in computational mathematics. We are looking to fill a number of tenure-track/tenured positions in the next few years.

The Computer Science faculty has received approximately \$8M in the last two years in external research funding from the NSF, DARPA, DOD, DHE, NIH, and corporations. The department has 5 NSF CAREER Award recipients. More information about the department can be found at www.cs.uml.edu.

Minimum Qualifications:

For appointment at the rank of Assistant Professor, by the time of appointment, applicants must either have a PhD degree from a US university, or have at least one year as a post-doctoral researcher in a US university or US research lab.

For appointment at the rank of Associate Professor or higher, applicants must have substantial research, teaching, and service experience, have made significant contributions to their fields with strong ongoing research projects, and be PIs of substantial current funding from major US funding agencies

- PhD in computer science or a closely related discipline and must be committed to developing and sustaining externally funded research programs
- All applicants should have participated in significant federal grant writing
- Having current US federal funding as PIs is highly desirable
- The ability to work effectively with diverse groups

Other Considerations:

- Preference will be given to outstanding candidates in cybersecurity, data sciences, cloud computing, and visualization.
- Outstanding candidates in other major computer science research areas may also be considered
- In addition to developing a research program, the successful applicant will be encouraged to contribute to the collaborative research of the existing departmental groups
- The successful candidate will be expected to teach undergraduate and graduate courses, including department core and specialty areas based on the candidate's expertise

To apply please submit a cover letter, curriculum vitae, teaching philosophy, writing sample- research publications, writing sample- publications in peer-reviewed journals research interest, research statement, three letters of reference at: <https://jobs.uml.edu/applicants/Central?quickFind=54657>

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

The University of Massachusetts Lowell is an Equal Opportunity/Affirmative Action, Title IX employer. All qualified applicants will receive consideration for employment without regard to race, sex, color, religion, national origin, ancestry, age over 40, protected veteran status, disability, sexual orientation, gender identity/expression, marital status, or other protected class.

University of Memphis

*Department of Computer Science
Assistant/Associate Professors*

The Department of Computer Science at the University of Memphis is seeking candidates for multiple Assistant/Associate Professor positions beginning Fall 2016.

Professional Opportunities

Exceptionally qualified candidates in all areas of computer science are invited while candidates with expertise in the following areas are particularly encouraged to apply: big data, systems & networks, security & privacy, CS education, and software engineering, as well as candidates engaged in interdisciplinary research. 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) 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 has been ranked 55th in the nation, among CS departments with federally funded research. The Department regularly engages in large-scale multi-university collaborations across the nation. CS faculty leads NIH-funded Big Data “Center of Excellence for Mobile Sensor Data-to-Knowledge (MD2K)” and the “Center for Information Assurance (CFIA)”. In addition, CS faculty works closely with multidisciplinary centers in the campus such as the “Institute of Intelligent Systems (IIS)”.

Application review begins December 1, 2015 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 all inquiries to Joyce Stevenson (jkstvnnsn@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 Michigan

CSE Lecturer I

Responsibilities*

Teach introductory and advanced courses in Computer Science and Engineering including programming, data structures, databases, operating systems, networking, security and distributed systems. The instructor will be responsible for developing course materials, lecturing, holding office hours and preparing and grading exams, managing and grading class projects, and managing assigned class staff.

Required Qualifications*

- The instructor must have demonstrated knowledge of Computer Science
- Master’s degree in a related field
- Strong oral presentation and communication skills

Selection criteria based on resume with supplemental materials, in-person interview and oral presentation to be given to CSE faculty.

Desired Qualifications*

PhD in related field, prior experience teaching a computer science class.

Additional Information

Department: Computer Science & Engineering
Hours: 32 (80%)
Appointment period: Sept-April (8 months)



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. Candidates whose interests fall in the areas of data analytics and data management will also be considered for affiliation with the Michigan Institute for Data Science (MIDAS), a new multi-disciplinary Institute at the University of Michigan (midas.umich.edu).

Qualifications include an outstanding academic record, a doctorate or equivalent in computer science or computer engineering, and a strong commitment to teaching and research. The college is especially interested in candidates who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community.

The University of Michigan is a Non-Discriminatory/Affirmative Action Employer with an Active Dual-Career Assistance Program.

Applications must be received by January 1, 2016. To apply, please complete the form at: <https://www.eecs.umich.edu/eecs/etc/csejobs/>

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

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

Professional Opportunities

Duration of appointment:

Sept. 1, 2016 through April 30, 2017

Sept. 1, 2017 through April 30, 2018

Salary range: \$56,000 to \$72,000 FTE (100%),
dependent upon experience and credentials.

of Openings: 1-5 for the coming 2015-2016
academic year.

Union Affiliation

This position is covered under the collective bargaining agreement between the U-M and the Lecturers Employee Organization, AFL-CIO, which contains and settles all matters with respect to wages, benefits, hours and other terms and conditions of employment.

Application Deadline

Application deadline is December 31, 2015

Decisions will be made by March 31, 2016.

Final hiring approval is subject to UM higher administrative approval.

Applications are accepted through the University of Michigan's job posting site:
umjobs.org

Posting #: 116383

U-M EEO/AA Statement

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

University of Michigan

CSE Lecturer III

Responsibilities*

Teach introductory and advanced courses in Computer Science and Engineering including programming, data structures, databases, operating systems, networking, security and distributed systems. The instructor will be responsible for developing course materials, lecturing, holding office hours, preparing and grading exams, managing and grading class projects, managing assigned class staff.

Additional administrative duties, as needed, include: mentoring and advising students and student groups, participating

on departmental, College and University committees in support of Computer Science & Engineering initiatives.

Required Qualifications*

- PhD degree in Computer Science, Computer Engineering, or related discipline or equivalent years college teaching experience of computer science courses.
- Previous effective teaching experience as evidenced by evaluations.
- Demonstrated support of academic programs and student success.
- Strong oral presentation and communication skills.

Selection criteria based on resume with supplemental materials, in-person interview and oral presentation to be given to CSE faculty.

Desired Qualifications*

Ability to teach advanced level courses in computer science and engineering.

EECS course descriptions can be found at: <http://www.engin.umich.edu/college/academics/bulletin/courses/eeecs>

Additional Information

Department: Computer Science & Engineering
Hours: 40 (100%)

Appointment period: Sept-May (U-YR)

Duration of appointment: Sept. 1, 2016
through May 31, 2019

Salary range: \$75,000 to \$90,000, for the
9 months, dependent upon experience and
credentials.

Union Affiliation

This position is covered under the collective bargaining agreement between the U-M and the Lecturers Employee Organization, AFL-CIO, which contains and settles all matters with respect to wages, benefits, hours and other terms and conditions of employment.

Application Deadline

Application deadline is December 31, 2015.

Decisions will be made by March 31, 2016.

Final hiring approval is subject to higher UM administrative approval.

Applications are accepted through the University of Michigan's job posting site:
umjobs.org

Posting #: 116384

U-M EEO/AA Statement

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

The University of Michigan

School of Information

Tenure Track Positions

The School of Information at the University of Michigan (UMSI) seeks to hire several instructional faculty at all ranks. For additional information and details about additional job openings, please visit our website as indicated below.

We are particularly interested in candidates with research and teaching experience in Human-Computer Interaction (HCI): 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. Please note that we will consider hiring more than one person for this position.

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

Professional Opportunities

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 40 FTE professors, and over 600 students. We offer four degrees: a Ph.D., a Master of Science in Information, a Master of Health Informatics (joint with the School of Public Health), and a Bachelor of Science in Information.

Founded in 1817, the University of Michigan has a long and distinguished history as one of the first public universities in the nation. It is one of only two public institutions consistently ranked among the nation's top ten universities. The University has one of the largest health care complexes in the world and one of the best library systems in the United States. With more than \$1 billion in research expenditures annually, the University has the second largest research expenditure among all universities in the nation. The University has an annual general fund budget of more than \$1.7 billion and an endowment valued at more than \$7.6 billion.

Qualifications

- Ph.D. in an area such as information, computer science, engineering, design, or related fields
- 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

Background Screening

The University of Michigan conducts background checks on all job candidates upon acceptance of a contingent offer and may use a third party administrator to conduct background checks. Background checks will be performed in compliance with the Fair Credit Reporting Act.

U-M EEO/AA Statement

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

Review of applications will begin on November 15, 2015 and continue until the positions are filled.

For more information or for application instructions, please visit our website <https://www.si.umich.edu/aboutsi/open-faculty-positions>.

For questions about potential fit and your application please contact Dr. Mark Newman (mwnewman@umich.edu).

The University of Michigan – Dearborn

Department of Computer and Information Science

Assistant/Associate Professors

The Department of Computer and Information Science (CIS) at the University of Michigan-Dearborn invites applications for a tenure-track faculty position in cybersecurity. The expected starting date is September 1st, 2016. Review of applications will begin immediately and continue until suitable candidates are appointed. Rank and salary will be commensurate with qualifications and experience. We offer competitive salaries and start-up packages.

Qualified candidates must have, or expect to have, a Ph.D. in computer science or a closely related discipline by the time of appointment and will be expected to do scholarly and sponsored research, as well as teaching at both the undergraduate and graduate levels.

Candidates at the associate professor rank should already have an established funded research program. The CIS Department offers several BS and MS degrees, and participates in several interdisciplinary degree programs, including a Ph.D. program in information systems engineering. A departmental Ph.D. in Computer and Information Science is currently under development. The current research areas in the department include artificial intelligence, complex systems, computational game theory, computer graphics, data management, graphical models, machine learning, multimedia systems and gaming, networking, security, wearable sensing and health informatics, and software engineering. These areas of research are supported by several established labs and many of these areas are currently funded by federal agencies and industries.

The University of Michigan-Dearborn is located in the southeastern Michigan area and offers excellent opportunities for faculty collaboration with many industries. We are one of three campuses forming the University of Michigan system and are a comprehensive university with over 9,000 students.

The University of Michigan-Dearborn is dedicated to the goal of building a culturally-diverse and pluralistic faculty committed to teaching and working in a multicultural environment, and strongly encourages applications from minorities and women.

A cover letter, curriculum vitae, teaching statement, research statement, and the names and contact information of three references should be sent to.

Dr. William Grosky, Chair
Department of Computer and Information Science

University of Michigan-Dearborn
4901 Evergreen Road
Dearborn, MI 48128-1491

Email: wgrosky@umich.edu

Internet: <http://umdearborn.edu/cecs/CIS/>

Professional Opportunities

Phone: 313.583.6424, Fax: 248.856.2582

The University of Michigan-Dearborn is an equal opportunity/affirmative action employer.

The University of Minnesota - Twin Cities

Department of Computer Science and Engineering

Faculty Positions in Cyber Security, 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 cyber security and in support of a University-wide initiative (MnDRIVE) on robotics, sensors, and advanced manufacturing (<http://cse.umn.edu/r/mndrive-minnesota-discovery-research-and-innovation-economy/>). Specific topics of interest for the positions include cyber security, sensing and networking, machine learning, computer vision, robot design, manipulation, mobility, human-robot interaction, planning, algorithmic foundations, and embedded systems. Applicants from other areas will be considered as long as they address how their work fits into the security or MnDRIVE themes. 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 <https://www.cs.umn.edu/resources/employment/faculty> by December 15, 2015.

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

University of Nebraska - Lincoln

Multiple Tenure-Track Faculty Positions

The Department of Computer Science and Engineering at the University of Nebraska - Lincoln invites applications for multiple tenure-track faculty positions at the rank of Assistant Professor to begin in August, 2016.

We are seeking faculty members who can establish a strong scholarly research and teaching program in the area of software engineering. While all areas of software engineering are of interest, applicants whose research connects security or human centered computing to software engineering are particularly welcome.

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 Ph.D. in Computer Science, Computer Engineering, or a closely related discipline. Applicants should have excellent communication skills

and a strong desire to work in a diverse and collaborative environment.

To apply go to <http://employment.unl.edu> and complete the Faculty/Administration application for requisition #F_150181 and attach 1) a single-page cover letter explaining your interest in the University of Nebraska - Lincoln, 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 November 15, 2015, and will continue until the positions have been filled. The positions are contingent on the availability of funds.

More information can also 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.

See <http://www.unl.edu/equity/notice-nondiscrimination>.



THE UNIVERSITY of
NEW MEXICO

Computer Science Department Chair

The University of New Mexico, the state's premier research university, is seeking a research-active leader for its Department of Computer Science, to begin in July, 2016. Housed in the School of Engineering, the Department is noted for its interdisciplinary approach to computer science and its diverse faculty and student population.

Applicants are required to have a Ph.D. in computer science or a related field, and experience commensurate with that of a Full Professor or equivalent industry experience. Exceptional applicants currently at the rank of Associate Professor will also be considered.

For best consideration, complete applications must be received by December 1, 2015. For complete job description and information on how to apply, go to UNMJobs.unm.edu, and reference posting #0831916.

Inquiries should be sent to: chair_search@cs.unm.edu.

The University of New Mexico is an equal opportunity/affirmative action employer and educator. We especially encourage members of underrepresented groups to apply.

Professional Opportunities

University Of Nevada, Reno

Four Tenure-Track Faculty Positions

The CSE Department invites applications for four tenure-track faculty positions. Two positions are at assistant professor level: the first position is in the area of big data with emphasis on security and privacy, and the second position is in the area of high performance computing with emphasis on parallel and distributed computing. The third position, in the area of cybersecurity, is at associate professor level, and will fill the role of Technical Director of the newly established Cybersecurity Center (CSC) at UNR. The fourth position is at assistant, associate or full professor level, and is open to all research areas, with preference given to candidates with expertise in embedded systems (Internet of Things, cyber-physical systems, VLSI design), machine learning (deep learning, data analytics, bioinformatics), computer graphics and visualization. Applicants must have a Ph.D. in Computer Science or Computer Engineering by July 1, 2016. Candidates must be strongly committed to excellence in research and teaching and should demonstrate potential for developing robust externally funded research programs. The department has several faculty with NSF Career awards and leaders in statewide and multi-state multi-million dollar NSF awards. Our research is supported by NSF, DoD, DHS, NASA, Google, Microsoft, Ford and AT&T. The department's annual research expenditures have exceeded \$2M in recent years, while FY15 funding exceeds \$3M. We offer B.S., M.S., and Ph.D. degrees and have strong research and education programs in Intelligent Systems, Computer and Network Systems, Software Systems, and Games and Simulations. In the last five years, the College of Engineering has witnessed an unprecedented growth in student enrollment and number of faculty positions. The College is positioned to further enhance the growth of its students, faculty, staff, and facilities

as well as its research productivity and its graduate and undergraduate programs. UNR, Nevada's land grant University, has nearly 21,000 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 drive. EEO/AA Women, under-represented groups, individuals with disabilities, and veterans are encouraged to apply.

Apply online at:

<https://www.unrsearch.com/postings/19013>
(for the big data position)

<https://www.unrsearch.com/postings/18990>
(for the high performance computing position)

<https://www.unrsearch.com/postings/19015>
(for the cybersecurity position)

<https://www.unrsearch.com/postings/19004>
(for the open position)

Review of applications will begin on January 5, 2016 and will continue until the search closes on February 15, 2016. Inquiries should be directed to Ms. Lisa Cody, lacody@unr.edu.

University of New Mexico

Department of Electrical & Computer Engineering

Chair

The School of Engineering at the University of New Mexico invites applications for the position of Department Chair of the Electrical and Computer Engineering Department. The position will also include a tenured appointment as Professor of Electrical and Computer Engineering. Candidates must have earned a Ph.D. in Electrical or Computer Engineering or a closely related field. Experience commensurate with that of a full Professor or equivalent industry experience is required. Salary will be commensurate with qualifications and experience.

Preferred qualifications include demonstrated engineering leadership, a research record of marked distinction and significant impact, a

strong commitment to undergraduate and graduate education, prior administrative experience, proven teaching skills, exceptional communication skills, the ability to articulate a vision for furthering the national stature of the Electrical and Computer Engineering Department and demonstrating the candidate's commitment to nurture diversity, equity as well as working broadly with diverse communities.

For best consideration, complete applications must be received by **November 30, 2015**.

The position will remain open until filled.

Each application must include a cover letter, a statement summarizing the applicant's vision, qualifications and perspectives on research, teaching and leadership and demonstrating the candidate's commitment to diversity, a detailed CV, and the names, mailing addresses, e-mails, and telephone numbers of three references (prior consent will be sought before contacting references).

Applications should be submitted online through <https://unmjobs.unm.edu>, by referencing posting #0832023.

Inquiries should be sent to Search Committee Chair, Dr. Mahmoud Reda Taha (mrtahta@unm.edu)

The University of New Mexico is an equal opportunity/affirmative action employer and educator. We especially encourage members of underrepresented groups to apply.

The University of North Texas

Department of Computer Science and Engineering

Assistant/Associate Professor and Lecturer

The University of North Texas (UNT) invited applications for the following faculty positions in the **Department of Computer Science and Engineering (CSE)**.

Tenure or tenure track positions:

Position 1: Assistant or Associate Professor in **Computer Security**, including cryptography,

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cloud and network security, mobile security, intrusion detection, secure hardware and software systems, and vulnerability and threat analysis.

Position 2: Assistant or Associate Professor in **Computer Systems**, including computer architecture, real-time operating systems, runtime systems and virtualization, memory and storage systems, distributed systems, embedded systems, resilient, secure and survivable systems, and performance measurement and tuning.

The candidates are expected to teach CSE undergraduate and graduate courses, develop a strong research program funded by external sources, support and mentor graduate students, and provide service to the University and the profession. Minimum qualifications include an earned doctorate in computer science, computer engineering or a closely related field. For the Assistant Professor position, a strong publication record and the potential to succeed in securing research funding and mentoring graduate students are required. For the senior positions, a sustained record of providing mentoring to junior faculty, advising graduate students, providing service to the University and profession, and securing external funding for research activities with current research funding are also required. Post-doctoral research experience or industrial research experience is preferred.

Non-tenure track position:

Position 3: Lecturer, Senior Lecturer, or Principal Lecturer with a three-year appointment renewable annually, depending on performance and the availability of funding. The primary responsibility is teaching at the undergraduate and graduate level. Additional expectations include participating in departmental activities, assisting with ABET accreditation, and providing career guidance to undergraduate students.

The Computer Science and Engineering department is home to 1,139 bachelors students, 151 masters students and 90 Ph. D. students. The UNT CSE department is the home department of the interdisciplinary Center for Information and Computer Security and 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 centers are available at the websites: www.cse.unt.edu, www.cics.unt.edu, and netcentric.cse.unt.edu, respectively.

Application Procedure:

All applicants must apply online to: <https://facultyjobs.unt.edu>. Submit nominations and questions regarding the tenure track position in computer security (system identification number 6001152) to Dr. Ram Dantu (Ram.Dantu@unt.edu), the tenure track position in computer systems (system identification number 6001153) to Dr. Bill Buckles (Bill.Buckles@unt.edu), and lecturer position (system identification number 6001154) to Dr. Phil Sweany (Philip.Sweany@unt.edu).

Application Deadline:

The committee will begin its review of applications on November 1, 2015 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 37,000 students while powering the North Texas region, state and nation through innovative education and research. UNT is strategically located in Denton, Texas, a vibrant city with a lively arts and music culture.

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

University of Notre Dame

Assistant, Associate, or Full Professor

The Department of Computer Science and Engineering at the University of Notre Dame invites applications for Assistant, Associate, or Full Professor. Excellent candidates in all areas will be considered.

The Department offers the Ph.D. degree and undergraduate Computer Science and Computer Engineering degrees. Faculty are expected to excel in classroom teaching and to lead highly-visible research projects that attract substantial external funding.

Applicants should submit a CV, statement of teaching and research interests, and contact information for three professional references at <http://apply.interfolio.com/30991>.

Equal Opportunity Employment Statement

The University of Notre Dame seeks to attract, develop, and retain the highest quality faculty, staff and administration. The University is an Equal Opportunity Employer, and is committed to building a culturally diverse workplace. We strongly encourage applications from female and minority candidates and those candidates attracted to a university with a Catholic identity. Moreover, Notre Dame prohibits discrimination against veterans or disabled qualified individuals, and requires affirmative action by covered contractors to employ and advance veterans and qualified individuals with disabilities in compliance with 41 CFR 60-741.5(a) and 41 CFR 60-300.5(a).

University of Pennsylvania

Department of Electrical and Systems Engineering

Multiple Faculty Positions

The School of Engineering and Applied Science at the University of Pennsylvania is growing its faculty by 33% over the next five years. As part of this initiative, the

Professional Opportunities

Department of Electrical and Systems Engineering is engaged in an aggressive, multi-year hiring effort for multiple tenure-track positions at all levels. Candidates must hold a Ph.D. in Electrical Engineering, Systems Engineering, or related area. The department seeks individuals with exceptional promise for, or proven record of, research achievement, who will take a position of international leadership in defining their field of study, and excel in undergraduate and graduate education. Leadership in cross-disciplinary and multi-disciplinary collaborations is of particular interest. We are interested in candidates in all areas that enhance our research strengths in

1. Nanodevices and nanosystems

(nanophotonics, nanoelectronics, MEMS/NEMS, power electronic devices, integrated devices and systems at nanoscale),

2. Circuits and computer engineering

(analog and digital circuits, emerging circuit design, internet-of-things, computer engineering, embedded systems), and

3. Information and decision systems

(data science, communications, information theory, control and optimization, robotics, signal processing, network science, markets and social systems).

4. Prospective candidates in all areas are strongly encouraged to address large scale societal problems in energy, transportation, health, economic and financial networks, critical infrastructure, and national security. We are especially interested in candidates whose interests are aligned with the school's strategic plan (www.seas.upenn.edu/PennEngineering2020).

Diversity candidates are strongly encouraged to apply. Interested persons should submit an online application at <http://www.ese.upenn.edu/faculty-positions> and include curriculum vitae, statement of research and teaching interests, and at least three references. Review of applications will begin on December 1, 2015.

The University of Pennsylvania is an Equal Opportunity Employer. Minorities/Women/Individuals with Disabilities/Veterans are encouraged to apply.

University of Pittsburgh

*Department of Electrical and Computer Engineering (ECE)
Chair*

The Swanson School of Engineering at the University of Pittsburgh (<http://www.engineering.pitt.edu/>) invites applications and nominations for the position of Chair of the Department of Electrical and Computer Engineering (<http://www.engineering.pitt.edu/ECE/>). We are looking for an energetic leader with a vision to inspire innovative research and educational programs. A successful candidate must have a strong record of academic and professional accomplishments to support an appointment as a full professor with tenure.

The Department has a tradition of excellence in education and research, with many of our faculty winning awards for outstanding teaching. Research activities are organized around four main areas: (1) Biomedical Electronics and Signal Processing, (2) Energy and Electric Power Systems and Technologies, (3) Nano/Micro-Electronics & Photonics, and (4) Cyber Systems and Technologies. All four of these focus areas fall under the theme of "Reshaping the World on All Scales." The Department faculty members have significant research collaborations with their colleagues from other engineering departments, the Center for Energy (<http://www.engineering.pitt.edu/cfe/>), the Peterson Institute for NanoScience and Engineering (<http://www.nano.pitt.edu/>), the School of Medicine, and departments from the Dietrich School of Arts and Sciences. Current annual research expenditures are around \$4.5 million.

The Department currently has 25 faculty members and offers BS, MS, and PhD degrees

in Electrical Engineering and Computer Engineering (jointly with the Department of Computer Science). Current enrollment consists of 436 undergraduate and 175 graduate students. The Swanson School of Engineering just completed a \$100 million renovation and redesign of Benedum Engineering Hall with state-of-the-art teaching and research laboratories, which is the Department home.

The University of Pittsburgh, located just minutes from downtown, is adjacent to the University of Pittsburgh Medical Center and Carnegie Mellon University. The Pittsburgh metropolitan area has all the amenities of a large urban area including major sports, theatre, opera, ballet, symphony, museums, zoo, etc. The urban renaissance in Pittsburgh is directly attributable to the strong growth in high tech industries, such as information/computer technology, robotics, and biotechnology.

Review of applications will begin on December 1, 2015 and applications will be accepted until the position is filled. The start date for this position is on or after September 1, 2016. Please send nominations or application materials (*curriculum vitae*, names and contact information of at least three references, and any other documents deemed relevant) electronically to Ms. Nancy Donaldson (dnldson@pitt.edu) and Dr. Sanjeev Shroff, Chair, Electrical and Computer Engineering Chair Search Committee (sshroff@pitt.edu).

We highly encourage candidates from underrepresented US minority groups and/or females to apply for this position. The University of Pittsburgh is an affirmative action/equal opportunity employer and does not discriminate on the basis of age, color, disability, gender, gender identity, marital status, national or ethnic origin, race, religion, sexual orientation or veteran status.

Professional Opportunities

The University of Rhode Island, Kingston, RI

Assistant Professor, Computer Science

This position is full-time, permanent, tenure track, and will begin academic year 2016-17. Candidates interested in pursuing a computer science career of teaching, research, and collaborative outreach are invited to apply to this position. Candidates must be able to contribute to academic excellence at the University of Rhode Island in the areas of Big Data/Data Science and Cybersecurity. This position is part of the University's interdisciplinary initiative to transform discovery and education with Big Data and High-Performance Computing. It is a multi-college collaborative that will hire a cluster of eight tenure-track faculty members who will advance data- and computation-intensive methodology and systems across the University through interdisciplinary research and teaching. These scholar educators are welcomed to work on all aspects of large and/or complex data sets that do not yield to existing techniques or approaches. Teach undergraduate and graduate courses; advise graduate students; conduct research; obtain external research funding; and participate in interdisciplinary research.

Visit the URI jobs website at: <https://jobs.uri.edu> to apply and view complete details for job posting (#SF00143).

APPLICATION DEADLINE: The search will remain open until position is filled. First consideration will be given to applications received by December 1, 2015. Second consideration may be given to applicants received by February 1, 2016. Applications received subsequent to the second consideration date (February 1, 2016) may not be given full consideration. Only electronic applications will be accepted.

Required Documents: Please attach the following 4 (PDF) documents to your online Faculty Profile Application: (#1) Cover letter;

(#2) Curriculum Vitae should include the names and contact information for three references (additional information to include in your CV is optional: a list of courses taught or assisted, consulting experience, and mentoring experience (as one complete document); (#3) Teaching statement; (#4) "Other Document", which should include a research statement.

The University of Rhode Island is an AA/EEOD employer. Women, persons of color, protected veterans, individuals with disabilities, and other protected groups members are encouraged to apply.

University of Rochester

Faculty Positions in Computer Science: Experimental Systems and AI/HCI

The University of Rochester Department of Computer Science <https://www.cs.rochester.edu> seeks applicants for two tenure track positions in the broad areas of experimental systems and AI/HCI. Candidates must have a PhD in computer science or a related discipline. Our goal is to hire the best and the brightest who will thrive in our environment and complement our existing strengths in artificial intelligence, human-computer interaction, systems, and theory. Applicants in all areas of computer science are encouraged to apply. We are especially interested in growing research strengths in interdisciplinary work that combines AI and HCI or systems, in addition to research in databases, networks, scalable systems, security, and computer vision.

Apply online at <https://www.rochester.edu/faculty-recruiting/login>

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, 2016 for full consideration. Applications that arrive after this date risk being overlooked or arriving after the interview schedule has been filled.

The Department of Computer Science is research focused, with a distinguished history of contributions in artificial intelligence, HCI, systems, and theory. We have a collaborative culture and strong ties to electrical and computer engineering, brain and cognitive science, linguistics, and several departments in the medical center. We also have a growing 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). Half of all undergraduates have traditionally gone 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. Traditionally strong in optics research and manufacturing, it was recently selected by the Department of Defense as the hub of a \$360M-plus Integrated Photonics Institute for Manufacturing Innovation.

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

EOE Minorities / Females / Protected Veterans / Disabled

Professional Opportunities

USC Viterbi

School of Engineering
Department of Computer Science

The **Computer Science Department of the USC Viterbi School of Engineering** is in a period of **significant and sustained faculty growth**. We have **multiple openings** for tenure-track positions in all areas and at all levels of seniority. While we primarily seek assistant professor applicants, we are interested in exceptional candidates at all levels.

We expect all candidates to have a strong commitment to research, doctoral student mentoring, and teaching at the undergraduate and graduate levels. All applicants must have earned a doctorate in Computer Science or a closely related field by the date of appointment.

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

Applicants should submit their applications online at:
<http://www.cs.usc.edu/about/faculty-jobs/>



USC

Professional Opportunities

University of San Francisco

Department of Computer Science

Two tenure-track Assistant Professor Positions

The Department of Computer Science at the University of San Francisco is accepting applications for two tenure-track Assistant Professor positions starting in August 2016.

See <http://www.cs.usfca.edu/tenure-track-position.html> for application instructions.

To receive full consideration applications must be received by December 1, 2015.

University of San Francisco

Two Different Tenure-Track Assistant Professor Positions

The Analytics Program at the University of San Francisco invites candidates to apply for two different tenure-track Assistant Professor positions to begin August 2016. You may find a detailed description of each position at <https://www.usfjobs.com/postings/10015>.

Completed applications must be submitted online at <https://gnosis.usfca.edu/search>. Review of completed applications will begin on December 1, 2015 and will continue until the position is filled.

We invite candidates to find out more about the analytics program at <https://www.usfca.edu/arts-sciences/graduate-programs/analytics> and questions regarding this search may be emailed to search@analytics.usfca.edu.

University of Southern California, Los Angeles, CA

Viterbi School of Engineering - Department of Computer Science

Teaching Faculty [All Ranks]

The Computer Science Department (<http://cs.usc.edu>) at the USC Viterbi School of Engineering (<http://viterbi.usc.edu>) seeks

candidates for teaching positions to teach undergraduate and graduate courses. These are full time, benefits eligible faculty positions on the non-tenure track. Competitive candidates will have the training and experience necessary to teach effectively in a highly-ranked Computer Science department that advances undergraduate students through an accredited BS degree program and graduate students enrolled in MS and PhD programs. While we are interested in candidates with backgrounds in all areas of Computer Science we are particularly interested in candidates with expertise in Algorithms, Artificial Intelligence, Databases, Games, Programming Languages, Networks/ Systems, and Software Engineering. Relevant industry experience is valued for candidates interested in teaching games-related courses.

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

Applicants should submit their applications online at: <https://goo.gl/OXAQvp>

Applications must include a cover letter, a detailed curriculum vitae, a teaching statement, and names of at least three professional references, at least two of whom must be familiar with, and able to comment on, the applicant's teaching experience. Applicants may also optionally include a research statement. Applications should be received by October 15, 2015. Applications received after this deadline may not be considered.

The USC Viterbi School of Engineering is among the top tier engineering schools in the world. It counts 180 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 37 tenure-track, 33 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.

University of Tennessee, Knoxville

Department of Electrical Engineering and Computer Science

Tenure track faculty at the assistant/ associate professor level in cybersecurity

Description: EECS currently has an enrollment of more than 700 undergraduate and 230 graduate students, with a faculty of 45, and research expenditures that

Professional Opportunities

exceed \$15 million per year. EECS offers two undergraduate minors in cybersecurity that were started in 2015. UTK is a leading research institution with strong research partnerships with organizations such as the nearby Oak Ridge National Laboratory (ORNL). This faculty position has unique opportunities for collaborating with cybersecurity personnel at ORNL, Cisco Systems, and other companies in the Knoxville area.

Instruction: Interested candidates should apply at http://www.eecs.utk.edu/fall2015_search. Review of applications will begin on January 10, 2016.

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 computer vision and machine learning. 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 4, 2015. To submit yours, please visit <http://services.cs.utexas.edu/recruit/faculty>.

Applicants for an assistant professor position must have at least three (3) referees send letters of reference directly to the address provided. Applicants for a tenured position (associate or full professor) must have at least six (6) referees send letters of reference directly.

Inquiries about your application may be directed to faculty-search@cs.utexas.edu. For full consideration of your application, please apply by January 31, 2016. Complete applications (including all reference letters) will begin being reviewed on December 15, 2015. Women and minority candidates are especially encouraged to apply. The University of Texas is an Equal Opportunity Employer.

University of Texas at Austin

Tenure-Track Faculty

The School of Information at the University of Texas at Austin is seeking to hire a tenure-track faculty member, probably at the assistant professor level. One of our preferred hiring areas is a technical field that would fit in an information school that is separate from a CS or ECE department. We already have strengths in HCI and information retrieval and are interested in building on or complementing these strengths. Design, data analytics, visualization, social network analysis, and other fields are possibilities, but in every

case we expect the applicant to explain how her or his work would fit in to an information school.

See the official ad at <https://www.ischool.utexas.edu/facultysearch>

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 a tenured/tenure-track position at the assistant or associate professor level, starting Fall 2016. Interested candidates with research focus in one or more areas of system software, data science, high performance computing, or cloud computing are encouraged to apply.

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 4, 2016, 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

University of Utah

School of Computing

Multiple Tenure-Track Faculty Positions

The School of Computing at the University of Utah seeks applications for multiple tenure-track faculty positions at the rank of Assistant Professor, beginning Fall 2016. Exceptional candidates at higher ranks will also be considered. Applications in all areas

Professional Opportunities

of computer science are encouraged, but the School is particularly interested in the following areas of expertise:

- Computer vision
- Computer security
- Computer architecture

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/45876>

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.

University of Vermont

Assistant Professor & Non-Tenure Track Position

The College of Engineering and Mathematical Sciences at the University of Vermont (UVM) invites applications for an assistant professor in Computer Science, as well as a full-time non-tenure-track lecturer in Computer Science for a Fall 2016 start date.

Potential candidates will be drawn from all areas of theoretical, systems oriented, or application driven Computer Science, with strong potential for external funding and

high impact research. We give higher priority to the overall originality and promise of the candidate's work than to the candidate's subarea of specialization within Computer Science. However, particular emphasis will be given to candidates that complement existing strengths within the CS department (www.cs.uvm.edu), or who have the potential for significant interdisciplinary collaborations relevant to the greater UVM research community, such as environmental studies, health, biology, and neuroscience.

In addition to the Computer Science program, resources and activities at UVM include:



UNIVERSITY of WASHINGTON | BOTHELL

SCHOOL OF SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS

Division of Computing and Software Systems, School of STEM – Assistant Professor in Computational Science (AA13788)

The Computing and Software Systems (CSS) Division of the School of Science, Technology, Engineering and Mathematics (STEM) at the University of Washington Bothell (UWB) is seeking candidates for a tenure track Assistant Professor on a full-time, nine-month academic year basis beginning Autumn 2016. We are particularly interested in candidates with research and teaching interests in computational science (such as but not limited to big data, data visualization, or cloud computing). 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 19 full-time CSS faculty members are excellent interdisciplinary teachers and scholars, actively conducting research in Computational Biology, Computer Graphics, Computer Science Education, Computer Vision, Cybersecurity, Digital Humanities, Embedded Systems, Human-Computer Interaction, Mobile Computing, Multimedia Database Systems, Parallel and Distributed Computing, Scientific Computing, Social Computing, Software Engineering, and Wireless Networks. All University of Washington faculty engage in teaching, research and service.

Opportunity is a core value of the School of STEM. We believe that all students, regardless of background, should have the opportunity to succeed and become effective critical thinkers. Catalyzing the power of diversity enriches all of us by exposing us to a range of ways to understand and engage with the world, identify challenges, and to discover, design and deliver solutions. The School of STEM prepares professionals to work in an increasingly diverse and global society by promoting equity and justice for all individuals. We actively work to eliminate barriers and obstacles created by institutional discrimination.

Qualifications for the position and application instructions can be found on the UW Bothell website at: <http://ap.washington.edu/ahr/academic-jobs/position/aa13788/>.

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- the Vermont Complex Systems Center (bit.ly/IKIXarl),
- the Vermont Advanced Computing Core (bit.ly/IKIXd6U), the Bioengineering Graduate Program (bit.ly/IN3dzrk),
- the Neuroscience Graduate Program (bit.ly/IKxxAV),
- the Gund (bit.ly/SuXKAP) and Rubenstein (bit.ly/INO2bkB) environmental institutes and the Transportation Research Center (bit.ly/IQ9puUu).

The successful candidate will be housed with faculty from computer science, engineering, mathematics and the natural sciences in the STEM Complex (bit.ly/IFk0ofh), a new facility that will combine laboratories, classrooms, and research facilities under one roof. The STEM Complex is a five minute walk from the academic medical center and hospital (bit.ly/IEBRSoFM). Applicants must have completed (or be completing) a Ph.D., have demonstrated the ability to pursue a program of research, and have a strong commitment to graduate and undergraduate teaching. A successful candidate will be expected to teach courses at the graduate and undergraduate levels, as well as build, lead, and fund a team of graduate students in Ph.D. research.

The applicant must submit a cover letter, CV, detailed research plan, statement of teaching philosophy, and names of at least three people who can provide letters of reference. All application materials must be submitted online at <http://www.uvmjobs.com>, (position number 00023964). A background check will be conducted on the final candidate. Screening of applications will begin on November 15, 2015 and continue until the position is filled.

Lecturer

We seek a highly motivated candidate with strong computer science education credentials who can teach a variety of required undergraduate courses as well as

developing innovative course offerings in this rapidly changing field. Qualifications for this position include an M.S. or Ph.D.

in computer science or a related field and a demonstrated commitment to educating the next generation of computer scientists.

Prior experience teaching undergraduate-level computer science is highly desirable, as is prior experience or willingness to teach in hybrid or online formats. The successful candidate will be expected to teach a typical course load during each of two semesters per year. A modest

amount of service and academic advising is also expected. The appointment period is 9-months per year, but opportunities for teaching additional summer courses may be available for additional compensation. UVM offers generous benefits packages, including health, dental, retirement contributions, and tuition remission.

Applications must be submitted online at www.uvmjobs.com (position number 00023180). Applicants should provide a cover letter that highlights expertise and teaching experience, a current CV, and the names of



Division of Computing and Software Systems, School of STEM – Lecturer or Sr. Lecturer Full-time (AA13785)

The Computing and Software Systems (CSS) Division of the School of Science, Technology, Engineering and Mathematics (STEM) at the University of Washington Bothell (UWB) invites applications for multiple Lecturer or Senior Lecturer positions on a full-time, nine month, 1–3 year renewable basis beginning in Autumn 2016. Faculty duties include teaching and mentoring undergraduate and graduate students, including capstone projects/cooperative education. We are interested in candidates who can contribute to the core of our computer science and software engineering 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 19 full-time CSS faculty members are excellent interdisciplinary teachers and scholars, actively conducting research in Computational Biology, Computer Graphics, Computer Science Education, Computer Vision, Cybersecurity, Digital Humanities, Embedded Systems, Human-Computer Interaction, Mobile Computing, Multimedia Database Systems, Parallel and Distributed Computing, Scientific Computing, Social Computing, Software Engineering, and Wireless Networks. All University of Washington faculty engage in teaching, research and service.

Opportunity is a core value of the School of STEM. We believe that all students, regardless of background, should have the opportunity to succeed and become effective critical thinkers. Catalyzing the power of diversity enriches all of us by exposing us to a range of ways to understand and engage with the world, identify challenges, and to discover, design and deliver solutions. The School of STEM prepares professionals to work in an increasingly diverse and global society by promoting equity and justice for all individuals. We actively work to eliminate barriers and obstacles created by institutional discrimination.

Qualifications for the position and application instructions can be found on the UW Bothell website at: <http://ap.washington.edu/ahr/academic-jobs/position/aa13785/>.

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three references. A background check will be conducted on the final candidate. Evaluation of applications will begin December 15, 2015, and continue until the position is filled. Please address any questions about this position, or the application process, to cssearch@cems.uvm.edu.

UVM and the Department of Computer Science are committed to becoming leaders in developing a diverse faculty and student body to serve the professional, educational and local communities. The University is located in Burlington, Vermont, which is consistently rated as one of the best small cities in America.

UVM is an Affirmative Action and Equal Opportunity employer. Applications from women, veterans, individuals with disabilities and people from diverse racial, ethnic, and cultural backgrounds are encouraged.

University of Virginia

Department of Computer Science

Three (3) Faculty Positions in Safety and Security (All Ranks)

The Department of Computer Science and the Department of Systems and Information Engineering at the University of Virginia are seeking candidates at all ranks who work in fields related to Safety and Security for 3 tenured/tenure-track faculty positions. All areas of research will be considered, including but not limited to:

- Safety and security of cyber-physical systems, embedded and real-time systems, highly automated and autonomous systems, and human-in-the-loop systems
- Theory, methods, and applications of cybersecurity and privacy
- Formal specification, modeling, analysis, and verification techniques for safety and security assurance
- Architectural support for runtime assurance of critical system properties

• Other areas related to safety and security

Successful candidates will find a vibrant research culture and an abundance of collaboration opportunities with other departments. For example, the UVa School of Engineering has recently launched a multi-million dollar initiative to create a collaborative world class center of research excellence in Cyber-Physical Systems, where safety, security, and reliability play a key role. The initiative includes an international search for eight (8) new faculty members across 5 different departments. More information about these positions and the initiative can be found online (<http://linklab.virginia.edu>).

The School of Engineering offers a stimulating and nurturing academic environment where innovative, interdisciplinary, and foundational research is conducted in a collegial atmosphere. It is committed to enhancing a culturally diverse community, is an active dual career employer, and is actively boosting the participation of women faculty in science and engineering with the support of a National Science Foundation ADVANCE grant. The University of Virginia is an equal opportunity and affirmative action employer. Women, minorities, veterans, and persons with disabilities are encouraged to apply.



UNIVERSITY of WASHINGTON | BOTHELL

SCHOOL OF SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS

Division of Computing and Software Systems, School of STEM – Assistant Professor in Computer Science (AA13789)

The Computing and Software Systems (CSS) Division of the School of Science, Technology, Engineering and Mathematics (STEM) at the University of Washington Bothell (UWB) is seeking candidates for a tenure track Assistant Professor on a full-time, nine-month academic year basis beginning Autumn 2016. We are particularly interested in candidates with research and teaching expertise in but not limited to machine learning, artificial intelligence, geographic information systems, operating systems, mobile computing, or video games. 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 19 full-time CSS faculty members are excellent interdisciplinary teachers and scholars, actively conducting research in Computational Biology, Computer Graphics, Computer Science Education, Computer Vision, Cybersecurity, Digital Humanities, Embedded Systems, Human-Computer Interaction, Mobile Computing, Multimedia Database Systems, Parallel and Distributed Computing, Scientific Computing, Social Computing, Software Engineering, and Wireless Networks. All University of Washington faculty engage in teaching, research and service.

Opportunity is a core value of the School of STEM. We believe that all students, regardless of background, should have the opportunity to succeed and become effective critical thinkers. Catalyzing the power of diversity enriches all of us by exposing us to a range of ways to understand and engage with the world, identify challenges, and to discover, design and deliver solutions. The School of STEM prepares professionals to work in an increasingly diverse and global society by promoting equity and justice for all individuals. We actively work to eliminate barriers and obstacles created by institutional discrimination.

Qualifications for the position and application instructions can be found on the UW Bothell website at: <http://ap.washington.edu/ahr/academic-jobs/position/aa13789/>.

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The University of Virginia is rated as one of the top 3 public universities in the nation and in the top 30 among all universities, public and private. Charlottesville is frequently cited as one of the best cities in which to live and work. More information about town, the school, faculty benefits, and other topics can be found at: <http://uvacharge.virginia.edu/guide.html>

Candidates must have a record of excellence in research, as appropriate for the candidate's rank, and a commitment to teaching excellence. Applicants should expect to have a PhD in Computer Science, Systems Engineering, or a closely related discipline by the appointment start date. Candidates will be expected to engage in funded research, to teach at the undergraduate and graduate levels, and to perform service for the institution and professional organizations.

To apply, candidates must submit a Candidate Profile through Jobs@UVA (<https://jobs.virginia.edu>), search on posting number 0617535. Applicants should submit a cover letter, CV, teaching statement, research statement, and names and contact information for 3 references. In the research statement, applicants should explicitly discuss any experiences with or plans for collaborative or cross-cutting research. We will begin reviewing applications on December 1, 2015 and will continue to review applications as they are received until the positions are filled. For questions about these positions, please contact Dr. John Knight at knight@virginia.edu or Dr. Peter Beling at beling@virginia.edu.

University of Washington

College of Engineering, Computer Science & Engineering

Lecturer, Senior Lecturer, full or part time (AA13391)

Lecturer, full-time, Lecturer, full-time, competitive recruitment, Lecturer, part-time,

Lecturer, part-time, competitive recruitment, Senior Lecturer, full-time **Search Number:** AA13391

Position Details

The University of Washington's Department of Computer Science & Engineering has one or more full-time or part-time positions for Lecturers and Sr. Lecturers. Applicants for

lecturer positions must have earned at least a Master's degree or have relevant teaching experience. Lecturers and Sr. Lecturers will be hired on an annual or multi-annual 9-month appointment. We seek candidates with a strong commitment to teaching and student mentoring; many lecturers engage in outreach and service as well.

Computer Science, Tenure-Track Worcester Polytechnic Institute

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

The Computer Science Department anticipates hiring multiple tenure-track faculty for the Fall of 2016 whose expertise is in the following areas:

1) Cybersecurity including software security, usable security, and cyber analytics; 2) Robotics, as part of a cluster of hires working in a cross-disciplinary program with faculty from Electrical & Computer Engineering and Mechanical Engineering; 3) Learning and Serious Games working with faculty in CS as well as our Interactive Media & Game Development and Learning Sciences & Technologies programs; 4) Mobility and Cyber-Physical Systems; and 5) User Interfaces & Visualization.

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.

More information about the positions and instructions for applying are available at <http://aptrkr.com/676781>. 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, 2015 and continue until the positions are filled.

We are an Equal Opportunity Employer and do not discriminate against applicants due to race, color, religion, sex, sexual orientation, gender identity, national origin, veteran status or disability. We are looking for individuals who value creativity, diversity, inclusion, and collaboration.



WPI

Professional Opportunities

Our department offers a highly collegial and collaborative culture, with a range of teaching and curriculum-development opportunities in lower-division and upper-division courses for majors and non-majors. The Seattle area is particularly attractive given the presence of significant industrial research laboratories as well as a vibrant technology-driven entrepreneurial community that further enhances the intellectual atmosphere. Information about the department can be found on the web at <http://www.cs.washington.edu>.

Please apply online at <https://norfolk.cs.washington.edu/apply> with a letter of application, a complete curriculum vitae, statement of teaching interests and experience, and the names of four references. Applications received by December 15, 2015 will be given priority consideration. Open positions are contingent on funding.

The University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, protected veteran or disabled status or genetic information.

University of Washington

Computer Engineering - Joint with EE and CSE

Assistant Professor, Associate Professor, Research Assistant Professor (AA13392)

Position Details

The University of Washington's Department of Computer Science & Engineering and Department of Electrical Engineering, as part of the joint UW Experimental Computer Engineering Lab (ExCEL), are searching for a joint appointment in both departments (with precise percentages as appropriate for the candidate). The position is at tenure-track

Assistant Professor or Associate Professor, or Research Assistant Professor, although individuals at senior ranks with exceptional credentials may be considered. A moderate teaching and service load allows time for quality research and close involvement with students. The CSE and EE departments are co-located on campus, enabling cross department collaborations and initiatives.

The Seattle area is particularly attractive given the presence of significant industrial research laboratories, a vibrant technology-driven entrepreneurial community, and spectacular natural beauty. Information about ExCEL can be found at <https://www.excel.washington.edu/> We welcome applications in all computer engineering areas including but not exclusively:

Robotics Engineering Program Multiple Tenure Track Faculty Positions August 2016 - Worcester Polytechnic Institute

The WPI Robotics Engineering Program invites applications for multiple tenure-track faculty positions at all levels for fall 2016. You should hold a Ph.D. in any relevant engineering or closely related field, possess the desire to actively engage in teaching robotics at both the graduate and undergraduate levels, and have a clear plan to establish a vibrant, externally funded research program.

Research areas of interest include, but are not limited to Fundamentals (e.g. Controls, Learning, Perception), Capabilities (e.g. Human-Robot Interaction, Manipulation, Mobility), and Applications (e.g. Environment, Health, Manufacturing).

Established in 2007, the Robotics Engineering program is a collaboration by the Computer Science, Electrical & Computer Engineering, and Mechanical Engineering Departments. We offer the Nation's first undergraduate degree in Robotics, as well as the M.S. and Ph.D. degrees, with over 120 graduate students enrolled. The 10 core and 20 affiliated robotics faculty members have research support from NSF, NIH, AFRL, ONR, NASA, DARPA, and industry funding. Our 10 existing robotics laboratories include numerous robotic platforms, including Atlas, Baxter, da Vinci, Motoman, NAOs, PR2, Segway, and TurtleBots, as well as many custom-built robots. We expect you to contribute to the exceptionally close-knit, collaborative, and collegial atmosphere we currently enjoy.

Please refer to our web site at <http://robotics.wpi.edu/> for more information.

Founded in 1865, WPI is one of the nation's oldest technological universities. Today, WPI is a highly selective private university with an undergraduate student body of over 4,000 and 1,900 full- and part-time graduate students enrolled in more than 50 Bachelor's, Master's and Ph.D. programs. WPI is consistently ranked among the top national universities in U.S. News & World Report. Our innovative project-enriched curriculum engages students and faculty in real-world problem solving, often at one of WPI's project centers. The university is located in the heart of Massachusetts an hour away from Boston and Providence.

Questions about the hiring process should be sent to robotics-recruit@wpi.edu. Applications should be submitted per instructions at <http://aptrkr.com/676761>. Please include detailed research and teaching statements, vitae, and contact information for at least three references. Applications should be received by December 15, 2015. Applications will be reviewed as they are received; therefore, applicants are encouraged to apply early.

We are an Equal Opportunity Employer and do not discriminate against applicants due to race, color, religion, sex, sexual orientation, gender identity, national origin, veteran status or disability. We are looking for individuals who value creativity, diversity, inclusion, and collaboration.



WPI

Professional Opportunities

atomic scale devices & nanotechnology, implantable and biologically-interfaced devices, synthetic molecular engineering, VLSI systems and CAD, embedded systems, low power and mobile systems, sensor systems, parallel computing, network systems, and technology for the developing world. We expect candidates to have a strong commitment both to research and teaching. Applicants for both tenure-track and research positions must have earned a PhD by the date of appointment, or foreign equivalent. All University of Washington faculty engage in teaching, research and service.

Please apply online at <http://www.excel.washington.edu/apply> with a letter of application, a complete curriculum vitae, statement of research and teaching interests, and the names of at least four references. Applications received by December 15, 2015 will be given priority consideration. Open positions are contingent on funding.

The University of Washington is a recipient of a National Science Foundation ADVANCE Institutional Transformation Award to increase the participation of woman in academic science and engineering careers. We are building a culturally diverse faculty and encourage applications from women and minority candidates.

The University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, protected veteran or disabled status or genetic information.

University of Washington

Computer Science & Engineering - Assistant Professor, Associate Professor, Research Assistant Professor (AA13780)

Position Details

The University of Washington's Department of Computer Science & Engineering has multiple tenure-track positions in a wide variety of technical areas in both Computer Science and Computer Engineering. Hires will be made at the Assistant (0116) and Associate (0102) Professor level although individuals at senior ranks with exceptional credentials may be considered. The positions would be full-time multi-year appointments with 9-month service periods. Our department offers a highly collegial and collaborative culture, with broad interdisciplinary research opportunities available across campus and in the region. The Seattle area is particularly attractive given the presence of significant industrial research and development laboratories in computing, information technology, medicine, health care, and global health. Information about the department can be found on the web at <http://www.cs.washington.edu>.

We welcome applicants in all research areas in Computer Science and Computer Engineering including core, applied, and interdisciplinary areas.

We may also consider full-time non-tenured research faculty at the Research Assistant Professor (0143) level. These positions have 12 month service periods. Applicants for both tenure-track and research positions must have earned a doctorate, or foreign equivalent, by the date of appointment. All University of Washington faculty engage in teaching, research and service.

Please apply online at <https://norfolk.cs.washington.edu/apply> with a letter of application, a complete curriculum vitae, statement of research and teaching interests, and the names of four references.

Applications received by December 15, 2015 will be given priority consideration. Open positions are contingent on funding.

The University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, protected veteran or disabled status or genetic information.

Washington University in St. Louis

Tenure-Track Faculty Position

The Department of Computer Science & Engineering at Washington University in St. Louis seeks outstanding tenure-track faculty in all areas of computer science and engineering.

The department has been growing with plans to continue expanding in the coming years. We seek talented and highly motivated individuals who will build transformative research programs through work in the core disciplines of computer science and computer engineering, as well as interdisciplinary collaborations with researchers in areas such as biomedicine, engineering, and the sciences. Candidates from all areas of computer science and engineering will be considered, with successful candidates showing exceptional promise for research leadership and a strong commitment to high-quality teaching. Candidates will be expected to publish their research in peer-reviewed conferences and journals, teach, and participate in department and university service.

Our faculty is engaged in a broad range of research activities. Key strategic themes include: tight integration of computation with the human and physical worlds, the extraction of knowledge from massive data sets; and the design of safe, secure,

Professional Opportunities

and scalable computing systems. The impact of our work is magnified through interdisciplinary collaborations throughout the School of Engineering; with colleagues in the sciences, arts, and humanities; and with our world-renowned School of Medicine. Our doctoral graduates go on to leadership positions in both academia and industry. The department values both fundamental and applied research and has a strong tradition of successful technology transfer. Our faculty is known for its collegiality and for providing a supportive environment for new arrivals.

Washington University is a private university with roughly 6,500 full-time undergraduates and 6,500 graduate students. It is nationally known for the exceptional quality of its student body and for its attractive campus, which borders residential neighborhoods and one of the nation's largest urban parks. Many faculty walk or bike to work. St. Louis combines a Midwest cost of living with a vibrant metropolitan area, offering a wealth of cultural and entertainment opportunities.

Appointment is expected at the rank of Assistant Professor; however, exceptionally qualified applicants may be considered for appointments at the Associate or Full Professor level. Applicants must hold a doctorate in Computer Science, Computer Engineering, or a closely related field. Qualified applicants should submit a complete application (cover letter, curriculum vitae, research statement, teaching statement, and contact information for at least three references) through AcademicJobsOnline at <https://academicjobsonline.org/ajo/jobs/6156>. Other communications may be directed to Prof. Roch Guérin, Department of Computer Science and Engineering, Campus Box 1045, Washington University in St. Louis, One Brookings Drive, St. Louis, MO 63130-4899.

Applications received by January 1, 2016 will receive full consideration. Washington University is an AA/EOE and is strongly

committed to enhancing the diversity of its faculty; minority and women applicants are especially encouraged. Employment eligibility verification will be required upon employment.

Wesleyan University

Tenure Track Assistant Professorship

The Department of Mathematics and Computer Science at Wesleyan University invites applications for a tenure track assistant professorship in Computer Science to start in fall 2016.

For description and application procedure see: <http://www.wesleyan.edu/mathcs/employment.html>

Contact: Jim Lipton. Email: cssearch@wesleyan.edu. Tel: 860-834-1636. Fax: 860-685-2571.

Apply: <http://academicjobsonline.org/ajo/jobs/5939>

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 2016. 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 2016, 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.

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.

We welcome applications from members of groups traditionally underrepresented in the field, and applicants are encouraged to state in their cover letter how they will enhance the diversity of offerings and educational experiences if hired. Applications should also 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 1, and will continue until the position is filled. Please direct all correspondence to hiring@cs.williams.edu. All offers of employment are contingent upon completion of a background check.

Further information is available at: <http://dean-faculty.williams.edu/prospective-faculty/background-check-policy>.

Williams College is a coeducational liberal arts institution located in the Berkshire Hills of western Massachusetts. The college has built its reputation on outstanding teaching and scholarship and on the academic excellence of its approximately 2,000 students. Please visit the Williams College website (<http://www.williams.edu>).

Professional Opportunities

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, Toronto, ON, Canada

Department of Electrical Engineering and Computer Science - Lassonde School of Engineering

Assistant Professor

The Department of Electrical Engineering and Computer Science,

York University, is seeking two outstanding candidates at the rank of Assistant Professor. Priority hiring areas are Computer Vision, Robotics and Big Data although exceptional applicants in other areas will be considered. Successful candidates will have a PhD in Computer Science, or a closely related field, and a research record commensurate with rank. Appointments are to commence on July 1, 2016, subject to budgetary approval. For full position details, see <http://www.yorku.ca/acadjobs>.

Applicants should complete the on-line process at <http://lassonde.yorku.ca/new-faculty/>. 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. Complete applications must be received by **November 30, 2015**.

York University is an Affirmative Action (AA) employer. The AA Program can be found at <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.

York University, Toronto, ON, Canada

Department of Electrical Engineering and Computer Science - Lassonde School of Engineering

Assistant/Associate Professor

The Department of Electrical Engineering and Computer Science, York

University, is seeking three outstanding candidates, one at the rank of Associate Professor in the area of Electric Power Engineering and two at the rank of Assistant Professor or Associate Professor in Biomedical Engineering or Micro/Nanoelectronics, but exceptional applicants from other areas in Electrical Engineering may also be considered. Successful candidates will have a PhD in Electrical Engineering, or a closely related field, and a research record commensurate with rank. Appointments are to commence on July 1, 2016, subject to budgetary approval.

For full position details, see <http://www.yorku.ca/acadjobs>. Applicants should complete the on-line process at <http://lassonde.yorku.ca/new-faculty/>. A complete application includes a cover letter indicating the rank for w Department of Electrical Engineering and Computer Science – Lassonde School of Engineering

hich the candidate wishes to be considered, a detailed CV, statement of contribution to research, teaching and curriculum development, three sample research publications and three reference letters. Complete applications must be received by **November 30, 2015**.

York University is an Affirmative Action (AA) employer. The AA Program can be found at <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.

York University, Toronto, ON, Canada

Department of Electrical Engineering and Computer Science - Lassonde School of Engineering

Canada Research Chair in Computer Vision (Tier 1)

The Department of Electrical Engineering and Computer Science, Lassonde School of Engineering, York University invites applications for a tenured position in the area of Computer Vision at the Full Professor level with a Canada Research Chair (CRC) Tier 1 appointment to commence no later than **July 1, 2016**, subject to budgetary approval. The Department offers programs in Computer Engineering, Computer Science, Computer Security, Electrical Engineering, Software Engineering and Digital Media.

This position will attract a highly-successful research leader with an established and innovative program of research and teaching in computer vision. The successful candidate will be expected to interact with existing researchers in related areas within the department and to build linkages to other faculty hires related to vision research across the university, including participation and membership in York's internationally recognized Centre for Vision Research. Tier 1 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 seven-year terms, are renewable and are intended for exceptional established researchers who have acknowledged leadership in their field of research. Information about the CRC program can be found at <http://www.chairs.gc.ca>.

York University offers a world-class, interdisciplinary academic experience in Toronto, Canada's most multicultural city. York is a centre of innovation, with a

Professional Opportunities

thriving community of almost 60,000 faculty, staff and students.

Applicants should complete the online application process at <http://lassonde.yorku.ca/new-faculty> with a cover letter, detailed CV, statements of contribution to research and teaching, links to scholarly work and three reference letters. Applications must be received by **November 30, 2015**.

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