COMPUTING RESEARCH NEWS

Computing Research Association
Uniting Industry, Academia and Government to Advance Computing Research and Change the World.

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CRN At-A-Glance

CRA Statement on US News and World Report Rankings of Computer Science Universities

The latest US News and World Report (USN&WR) ranking of Computer Science (CS) at global universities does a grave disservice to USN&WR readers and to CS departments all over the world. Last week, we respectfully asked the ranking be withdrawn. Unfortunately USN&WR declined.

The methodology used — rankings based on journal publications collected by Web of Science — ignores conference publications and as a consequence does not accurately reflect how research is disseminated in the CS community or how faculty receive recognition or have impact. Furthermore, the list of venues is not public. So while some may debate the soundness of any bibliometric-based rankings, there will be no debate about the flaws in the rankings USN&WR has published; the methodology makes inferences from the wrong data without transparency and, consequently, it arrives at an absurd ranking. *See page 2 for full article.*

2017 Computing Research Symposium on Addressing National Priorities and Societal Needs

As computing has grown even more essential to day to day life, the capacity of computing research to effect societal change and address the needs of society has subsequently increased. In convening the Computing Research Symposium, our goal was to grow awareness and enthusiasm for the role that computing research plays in addressing timely and critical societal needs. *See page 3 for full article.*

SAVE THE DATES

CRA Career Mentoring Workshop
February 26-27, 2018
Arlington, VA

CRA Conference at Snowbird
July 16-18, 2018
Snowbird, Utah

In This Issue

CRA Statement on US News and World Report Rankings of Computer Science Universities

CRA
Computing Research Association

To the Computing Research Community:

The latest US News and World Report (USN&WR) ranking of Computer Science (CS) at global universities does a grave disservice to USN&WR readers and to CS departments all over the world. Last week, we respectfully asked the ranking be withdrawn. Unfortunately USN&WR declined.

The methodology used — rankings based on journal publications collected by Web of Science — ignores conference publications and as a consequence does not accurately reflect how research is disseminated in the CS community or how faculty receive recognition or have impact. Furthermore, the list of venues is not public. So while some may debate the soundness of any bibliometric-based rankings, there will be no debate about the flaws in the rankings USN&WR has published; the methodology makes inferences from the wrong data without transparency and, consequently, it arrives at an absurd ranking.

Another important factor in USN&WR rankings is reputation. However, reputational rankings in a large, mostly disconnected community, arguably are problematic. It is unreasonable to expect that departments half-way around the world will have anything close to an accurate assessment of each other, given that they are speaking a different language, have different value systems, different levels of resources, and different goals.

Anyone with knowledge of CS research will see these rankings for what they are — nonsense — and ignore them. But others may be seriously misled.

CRA hosted a discussion which included Robert Morse, USN&WR lead on rankings, at Snowbird 2016, our biennial meeting. Among the many items discussed, there was a robust discussion of rankings using bibliometrics and the various issues involved. In particular, we outlined the problems with using a data source that does not index the conferences in which the most impactful and highly cited peer reviewed research publications appears. CRA offered to partner to create a ranking scheme that would be credible to the computing research community, but he declined to work with either CRA or the broader community. On Novermber 1st, after the global rankings were published, we contacted Morse pointing out the problems with the methodology used and asking that these Global Rankings based on flawed source data be withdrawn, but he did not respond.

We urge the community to ignore the USN&WR rankings of Computer Science.

Sincerely,

Susan Davidson, Chair CRA Board of Directors, Weiss Professor, University of Pennsylvania
Andrew P. Bernat, CRA Executive Director
Carla Brodley, Dean, Northeastern University
Laura Haas, Dean, University of Massachusetts Amherst
H. V. Jagadish, Bernard A Galler Collegiate Professor, University of Michigan
Kathryn S. McKinley, Google
Mario Nascimento, Chair and Professor, University of Alberta
Fred Schneider, Chair and Samuel B. Eckert Professor, Cornell University

2017 Computing Research Symposium on Addressing National Priorities and Societal Needs

CCC
Computing Community Consortium
Catalyst

By CCC Chair Beth Mynatt and CCC Staff

As computing has grown even more essential to day to day life, the capacity of computing research to effect societal change and address the needs of society has subsequently increased. In convening the Computing Research Symposium, our goal was to grow awareness and enthusiasm for the role that computing research plays in addressing timely and critical societal needs.

How can we use artificial intelligence to amplify human abilities? How can intelligent infrastructure strengthen our communities? How do security and privacy promote democracy? How can big data and algorithms ensure fairness?

To help answer these questions and more, we held the second Computing Community Consortium (CCC) Symposium on Computing Research: Addressing National Priorities and Societal Needs on October 23-24, 2017.

The meeting brought together 190 in-person participants and over 600 online viewers to raise the visibility of work that connects innovative computing research to major societal needs. The five panels, three plenaries, and an early career poster session presented numerous ideas that could shape our future world. Farnam Jahanian, from Carnegie Mellon University, encouraged the audience to seize the moment. The future is here, and it is the enabler of new applications and services.

Here are just a few examples:

- Plenary speaker Michael Dunaway, from the University of Louisiana at Lafayette, explained that hurricane tracks have been very accurate this year, because computational models have gotten very good at predicting the direction of the hurricane at the upper atmosphere level. As a result of better predictions, officials decided not to evacuate the city of New Orleans for Hurricane Nate on October 4th because they could trust the predicted track of the storm. This ended up saving the city millions of dollars in unnecessary spending on an unneeded evacuation. Panelists Chandra Krintz and Elizabeth Belding, both from UCSB, argued for new approaches to networking and wireless communication to create new economic opportunities in rural agriculture.
- CCC Vice Chair Mark Hill, asked the AI and Amplifying Human Abilities panel about AI and its impact on U.S. jobs during the Q&A. The panelists argued that AI will make jobs more interesting and lead to more diverse, higher skilled and therefore higher paid jobs. Plenary speaker Thad Starner, from Georgia Tech, explained that as we amplify people + computing systems we create more potential for job growth. Panelist Suchi Saria, from Johns Hopkins, posed new goals for machine learning approaches that can better integrate with human decision-making.
- The Security and Privacy for Democracy panelists were asked about the tradeoff between security and ethical practices. When an issue in security is discovered, do they as researchers wait for it to get fixed before exposing it to the public? Dan Wallach, from Rice University, explained that there is a confidential disclosure. He lets the company know about the issue and gives them time to fix it before publishing his findings and exposing the issue to the public. Roger Dingledine, from the Tor Project, pointed to the use of secure servers by the media to receive confidential tips from the public, while Phillipa Gil, from UMass Amherst, discussed how to combat censorship on the public Internet.

- Panelist Solon Barocas, from Cornell University, explained why algorithms are often not "fair" due to biases and gaps in underlying data while panelist Kelly Jim, from Laura & John Arnold Foundation, argued for new approaches in exploring data to address major societal concerns.

The final symposium panel on Connecting Computing Research with National Priorities, included representatives from government and foundations, and discussed ways to expand the impact and influence of basic computing research in shaping our society.

- Patti Brennan, director of the National Library of Medicine (NLM), encouraged computing researcher to bring their expertise to help address challenges in health ranging from fostering healthy behaviors to addressing a growing crisis in mental health. The panelists were asked if they thought that computational researchers should be in all fields. Their argument was that if we put computation in all areas then we run the risk of losing the impact. Jim Kurose, from the National Science Foundation, mentioned the CS+X programs, which a number of universities have developed, as an example of that marriage trying to reach out to a different set of students.

The 190 people in attendance included 47 early career researchers who shared their research in a poster session and over 30 attendees from federal agencies such as National Science Foundation, National Institute of Standards of Technology, The Networking and Information Technology Research and Development (NITRD) Program, National Institutes of Health, U.S. Census Bureau, Defense Advanced Research Projects Agency, and the U.S. Department of Agriculture.

In addition to slides and videos from the symposium presenters, CCC white papers on the symposium topic of intelligent infrastructure are available here. Videos from the poster presenters are available here. Future blogs about each panel will be posted in the upcoming weeks. We hope that you not only enjoy and learn from the symposium resources but also find new perspectives on how your research may contribute to our collective future.

COMPUTING RESEARCH

ADDRESSING NATIONAL PRIORITIES AND SOCIETAL NEEDS

Data Breaches: Time to Implement a Forward-looking Research Agenda

CCC
Computing Community Consortium
Catalyst

The following is a guest blog post from CCC Council Member and Cybersecurity Task Force Member Nadya Bliss from Arizona State University.

EQUIFAX

"Massive breach of databases containing personal information. Millions of records exposed."

This seems to be an almost daily headline these days. One of the most serious events in recent memory is the breach of the Equifax databases, potentially compromising 143 million records with personal information such as name, social security number, and credit history.

While the Equifax breach garnered much attention, it is just the latest in a string of serious breaches. These events have highlighted the need for a forward-looking research agenda in support of regulatory frameworks and discourse necessary to increase the literacy level among corporate leaders. These are issues the computer science community can help advance, though we must be willing to engage with lawmakers, the business community, and others to have real impact.

Much has been written on the topic since the disclosure of the breach. Including articles in the New York Times (NY Times), Washington Post (WaPo), and Wired. Note that the actual breach occurred months before it was disclosed. Equifax offered some identity theft protection, but only for the year after the breach. Most agree that Equifax botched many of the steps following disclosure of the breach as covered here in Wired.

Yet, Equifax's troubles continued. It was reported that some of their executives sold their stock in between the discovery and disclosure of the breach, and a link to a phishing website was accidentally tweeted by the company in an attempt to provide resources to impacted people.

An interesting aspect of the coverage of this particular breach is that there is much agreement across various outlets – from Wired, to NY Times, to WaPo, to NPR – that that the breach was due to complete and total corporate negligence. Since the patches to address the known vulnerabilities were available for two months before the Equifax attackers entered the system, there is a consensus that the company bears the responsibility. In response to that assessment, a well-done analysis in the Harvard Business Review has called for an overhaul of the regulatory system, which is painfully behind the technological advancements.

Back in May, another topical article ran in the Economist titled "The world's most valuable resource is no longer oil, but data." This was before the Equifax breach was public (though probably while it was happening). While this article primarily focused on the need for new antitrust laws given the digital economy and the emergence of data-collection giants such as Alphabet and Facebook, the points regarding the need for new regulations are highly relevant to this case. An analogy could be drawn comparing the data breaches to oil spills polluting identities, credit reports, and records of millions of people.

It is clear that the data is valuable – and just as clear that accountability and policies to protect the data are not keeping up. It is also very clear that these breaches will continue to happen unless something changes. So here are three things that as the computing research community we can focus on:

1. Increase literacy and accountability of these types of issues at both executive and regulatory levels.
2. Prioritize development of organization-centric tools and methodologies for risk assessment and resilience.
3. Prioritize development of user-centric tools for identity management and authentication given that data has been compromised.

Data Breaches *(continued)*

Approximately one year ago, the **Office of Science and Technology Policy** (OSTP) published **the National Privacy Research Strategy**, with **community input**, that provided a number of recommendations specifically regarding user-centric tools for identity management.

"Breaches are going to continue, which implies that we need to increase our focus on issues in remediation and recovery. The 2016 **National Privacy Research Strategy** of the **National Science and Technology Council** called for a wide set of research in this area, including into developing new techniques to effect redress, such as rendering the data useless, as well as mechanisms to delete or 'forget' information." – said **Keith Marzullo**, Dean of the College of Information Studies at the University of Maryland and previously co-chaired the subcommittee on Networking and Information Technology Research and Development.

Much excellent work exists around the development of organization-centric tools and methodologies for risk assessment and resilience, including the normal chaos approach as proposed by **Prof. Timothy Summers**. He explains:

> My colleagues and I propose looking at cybersecurity through a lens which we refer to as normal chaos. We use the term ***normal chaos*** to describe contexts and situations that are too complex for us, as humans, to truly understand the cause and effect relationships embedded within them. Normal chaos recognizes that such complex situations produce constant uncertainty, change and unexpected occurrences that negate our plans and reduce our ability to control the events around us. This requires and encourages us to re-adjust constantly as our plans are unlikely to be enacted exactly the way that we envision. It's time that we recognize that management actually spends most of its time adapting to changing circumstances, especially in cybersecurity. The Equifax breach and other recent breaches are proof that our current thinking around cybersecurity isn't working.

While increasing literacy and accountability of these types of issues may not appear to be part of a computing research agenda, if we are to be successful there must be a much more vocal engagement of the research community in both policy and regulatory discourse. Many of the vulnerabilities that are exploited in these breaches, are often well known. I wrote about the **need for computer scientists to engage more here**.

Both the **Computing Research Association** (CRA) and its standing committee, the **Computing Community Consortium** (CCC), are active in policy dialogue to this end, and at **Arizona State University** (ASU), we recently hosted a **congressional conference on cybersecurity** to help bridge the divide between technologists and regulators.

A key goal of the conference was to develop interactions between Arizona congressional delegation and academia and industry cybersecurity practitioners. The keynote was delivered by Senator John McCain, the Chairman of the **Senate Armed Services Committee**, who said, "Rapid development and deployment of information technology by American businesses and by our government has created new vulnerabilities. The entire information domain has become a potential battle space, and our enemies' methods encompass everything from straightforward data collection to hacking attacks that might disable critical national infrastructure." The Chairman's full remarks can be found **here**.

At the time of writing, the Equifax CEO has stepped down. While that does indicate the willingness of the company to take responsibility for the breach, it does not address either the underlying regulatory and awareness challenges or the fact that the personal information has been compromised.

The Subcommittee on Privacy, Technology and the Law of the Senate Judiciary Committee **convened a hearing on October 4th** to discuss the breach and potential ways to make progress. The acknowledgement from our elected officials is an excellent initial step.

As a community, we need to focus on tangible ways to move forward – we will be repeating the breach cycle until we do.

New Approaches to Producing High-Performance Code, Thanks to Compiler Technology

By Mary Hall

What does it take to produce application code that performs as close as possible to a parallel architecture's compute or memory peak performance? This question is one that programmers of high-performance architectures contemplate regularly since using such systems efficiently can solve problems faster, or solve larger or more complex problems.

This question fundamentally changes the approach to programming.

Programming is no longer simply about the correct specification of an algorithm, but expands to understanding and exploiting features of the target architecture in all aspects of an application: algorithm choice, data structures and data layout, where to exploit parallelism, how to make the best use of the memory hierarchy, and how to avoid costly communication and synchronization between cooperating computations. Building applications while addressing performance and scalability concerns is difficult and frequently leads to low-level software that exposes architectural details. If the application is successful enough to outlive the target architecture, then this process must be repeated.

My research focuses on building compiler technology for deriving high-performance, architecture-specific code from a higher level specification. I usually work with computations that arise in mathematical libraries and scientific simulations, and often partner with computational scientists and application teams.

I find this to be an exciting research area for many reasons. I started out working on compiler technology because I appreciate the elegant algorithms and abstractions in compilers. The concrete realization of these algorithms in working and faster code is tangible.

I developed an interest in high-performance architectures because increasingly powerful hardware is exciting. Getting early access to new systems keeps the research current and helps scientists determine how to make best use of such systems.

My subsequent interest in working primarily on mathematical algorithms and science applications appeals to my interest in these areas. Advancing science has its own rewards. Finally, I like the human side of working with application teams, understanding their requirements, and gaining insights into how to improve their workflow as well as their code.

About the Author

Mary Hall is a Professor in the School of Computing at University of Utah, where she has been since 2008. She has co-authored numerous reports for government agencies, particularly NSF, DOE and DARPA, to establish the research agenda in compilers and high-performance computing. Professor Hall is an ACM Distinguished Scientist. She served as chair of the ACM History Committee for the past decade, and chair from 2009-2013. She has also served IEEE as a member of the Computer Society Award Committee and chair of the ACM/IEEE Kennedy Award Committee. She received a Ph.D. in Computer Science from Rice University. Prior to joining Utah, Professor Hall was jointly a research associate professor and project leader at University of Southern California, and previously held research positions at Caltech, Stanford and Rice.

My Ph.D. training at Rice University taught me the foundations of building compilers for parallel architectures before such architectures were ubiquitous. I learned analysis techniques to identify parallelism in codes written in a general-purpose language, and verify correctness of transformations on this code that optimize in an architecture-specific way. My postdoctoral training at Stanford University taught me the fundamentals of computer architecture and fleshed out my understanding of the relationship between software and its mapping to hardware.

New Technologies *(continued)*

My later research has explored how to map applications to a variety of architectural features: shared-memory parallel architectures, complex memory hierarchies, processing-in-memory architectures, field programmable gate arrays, single-instruction-multiple-data compute engines, graphics processing units, and many-core architectures like the Intel Xeon Phi processor.

For more than a decade, my research has developed compiler and programming systems that automate performance tuning for parallel codes. The general approach, called autotuning, empirically evaluates a search space of possible implementations of a computation to identify the one that gives the best performance. Autotuning gained popularity due to the growing complexity and diversity of modern architectures, to the point that accurately modeling the performance effects of optimizations in a compiler became infeasible. By running the code on representative input data, the compiler can systematically test the impact of optimization strategies, and achieve performance comparable to the labor-intensive manual tuning of code. Although the high-performance computing community has demonstrated the effectiveness of autotuning, it is not in mainstream use due to overheads and required changes in the application development process. My current research seeks to address these limitations and migrate autotuning compiler technology into more common practice.

Over the past few years I have been interested in optimizing the particular application domain of sparse matrix and graph computations, which arise in molecular dynamics simulations, finite element analysis, machine learning, and data analytics. Such applications have been considered mostly beyond the reach of parallelizing compilers due to the information required for optimization becoming only available at execution time. For example, static analysis lacks the necessary information to analyze access patterns in the presence of indirect array accesses (e.g., A[B[i]], where the contents of B are determined dynamically). Together with my collaborators, we have developed novel extensions to a mathematical representation of sparse matrix/graph computations that incorporates runtime information into compiler optimization to perform a variety of optimizations: runtime dependence testing, runtime code transformations, and selecting and transforming sparse matrix data representations.

Since I joined the CRA board in 2015, I have had the opportunity to work on important issues facing the computing community. Thanks to Tracy Camp, I have participated in a comprehensive study of the massive growth in enrollments in undergraduate computing programs, considering its impact on students and institutions. I am now working with CRA to partner with programs and organizations that seek to broaden the participation of diverse groups in computing. It is my hope that my work with CRA will assist the field in managing and adapting to growth in ways that retain the excitement that first brought me into the field for today's students while creating a diverse and resilient computing workforce.

NAS Report Investigates the Growth of Computer Science Undergraduate Enrollments

CRA
Computing Research Association

By Susanne Hambrusch, Purdue University

Since 2006, computer science departments in the U.S and Canada have experienced a surge in the number of undergraduate majors and course enrollments. The resulting strain on departmental and institutional resources has been significant for many departments, especially with respect to faculty hiring and overall workload. The National Academy of Sciences (NAS) has recently addressed the issue with the release a report titled "Assessing and Responding to the Growth of Computer Science Undergraduate Enrollments."

The NAS report discusses strategies central for managing enrollment and resources, and makes recommendations for departments and institutions. Its findings and recommendations provide much-needed guidelines on how institutions can allocate resources to meet growing student demand and to adequately support their computer science department in the increasingly central role of computer science in education and research. "The way colleges and universities respond to the surge in student interest and enrollment can have a significant impact on the health of the field," said Susanne Hambrusch, co-chair of the report's committee and a professor of computer science at Purdue University. "While there is no one-size-fits-all answer, all institutions need to make strategic plans to address realistically and effectively the growing demand for the courses."

The report uses data from multiple sources, including CRA's recent Generation CS Report on undergraduate enrollments, CRA's Taulbee surveys, national degree completion statistics (IPEDS), the U.S. Bureau of Labor statistics, the HERI/CIRP Freshman Survey, and Burning Glass. Notable findings of the report include:

- The number of bachelor's degrees rose by 74 percent between 2009 and 2015, compared to 16 percent growth across all fields. During the same time period, the number of Ph.D. degrees rose by 21 percent.

- While in 2009 about 45 percent of the Ph.D.s accepted a job in industry, 57 percent did so in 2015. The percentage of new Ph.D.s accepting a tenure-track faculty position in the U.S. is below 20 percent. Hiring and retaining CS faculty is currently an acute challenge that limits institutions' abilities to respond to increasing enrollments.

- The undergraduate growth has not been uniform across institutions. On average, institutions with very high research activity have experienced the greatest growth in degree production between 2009 and 2015 (by 113 percent).

- While the percentage of women and underrepresented minorities completing bachelor's degrees has not seen increases in the last decade, there is evidence of increased representation among current majors and students interested in CS.

The report summarizes and contrasts a number of ways departments and institutions can manage the impact of the enrollment surge on needed resources. This includes faculty, teaching faculty and lecturers, teaching assistants, staff, classroom, lab and office space, and other necessary resources and support. The report cautions institutions from imposing strict limits on enrollment or accepting students with the promise of entering a major when resource constraints make their admission into the program unlikely. Limits can create an environment of real or perceived competition among students who desire to enter a program, can disproportionally discourage participation among underrepresented groups, and have undesired long-term impacts. The report also explores various strategies including a recommendation that larger research institutions explore creating a college of computing.

"Every approach has benefits and costs, and leaders will need to select strategies and make trade-offs that are appropriate to their mission and values," said committee co-chair Jared Cohon, university professor and president emeritus at Carnegie Mellon University. "We hope our report will be useful as leaders plan for the future role of computer science at institutions of higher learning."

Computer Science's Growing Role in Society

Not surprisingly, the NAS report does not make a prediction on whether and when the enrollment surge will level off and whether student interest in computing will decrease. However, given the growing role computing plays in all sectors of the economy, academic disciplines, and aspects of society, broad opportunities in computing are expected to continue and drive undergraduate enrollment both in courses and programs. The approach institutions take in dealing with the surge in enrollment will have a significant impact on future enrollments and the health of the field.

Many of the report's recommendations are addressed to the leaders of institutions of higher education and federal and state government agencies. Institutional leadership should take deliberate actions to address the enrollment trend with a sense of urgency. This includes engaging directly with computer science departments to develop appropriate faculty size targets, develop strategies to improve faculty retention, and make realistic faculty hiring plans. Increasing the number and enhancing the role of academic-rank teaching faculty should be given serious consideration. Institutions and departments should also leverage the increasing interest in computer science to engage, recruit, and retain more women and underrepresented minorities and proactively address the diversity problem.

A clear message of the report is that failure to address the demand and the related resource challenges will result in negative conditions for students, faculty, the programs, and/or the institution as a whole in the near or long term.

The NAS committee was co-chaired by Jared Leigh Cohon, Carnegie Mellon University, and CRA Vice Chair Susanne E. Hambrusch, Purdue University. It also included CRA Chair Susan Davidson, University of Pennsylvania, former CRA board members Tracy Camp, Colorado School of Mines; David E. Culler, University of California, Berkeley; and Valerie Taylor, Argonne National Lab, as well as Brian Blake, Drexel University; Brian K. Fitzgerald, Business-Higher Education Forum; Ann Q. Gates, University of Texas at El Paso; Charles Isbell, Georgia Tech; Clas A. Jacobson, United Technologies; Michael S. McPherson, Spencer Foundation; Eric Roberts, Stanford University; Jodi Tims, Baldwin Wallace University; and Sara E. Turner, University of Virginia.

Announcements

CRA
Computing Research Association

Nominees Sought for CRA Board of Directors

CRA is seeking self-nominations for its board of directors. We want individuals who have the time, energy and initiative to work on CRA issues on behalf of the entire CRA community. We have a working board, and all members are expected to be involved with community issues. The deadline for receipt of nominations is **December 1, 2017.** Click here for more information.

Nominations Open for CRA Distinguished Service and A. Nico Habermann Awards

CRA invites nominations for the 2018 CRA Distinguished Service Award and A. Nico Habermann Award. The CRA Distinguished Service Award is presented to a person who has made an outstanding service contribution to the computing research community. The CRA A. Nico Habermann Award recognizes a person who has made outstanding contributions aimed at increasing the numbers and/or successes of underrepresented groups in the computing research community. The deadline for receipt of nominations for both awards is **December 8.**

2018 CRA-W Grad Cohort for Women

The 2018 CRA-W Grad Cohort Workshop, a two-day workshop for female students in their first, second, or third year of graduate school in computing fields, will be held April 13-14, 2018 in San Francisco, CA. The application is available here and closes **November 30.** The workshop aims to increase the ranks of senior women in computing-related studies and research by building and mentoring nationwide communities of women through their graduate studies. Female students in their first, second, or third year of graduate school in computing fields are eligible to apply.

CRA Summit on Technology and Jobs

On December 12, CRA will host a Summit on Technology and Jobs in Washington, DC. The goal of the summit is to put the issue of technology and jobs on the national agenda in an informed and deliberate manner. It will bring together leading technologists, economists, and policy experts who will offer their views on where technology is headed and what its impact may be, and on policy issues raised by these projections and possible policy responses.

Nominations Open for 2018 CRA-E Undergraduate Research Faculty Mentoring Award

This award program honors faculty members in computing who have made a significant impact on students they have mentored. The CRA-E Undergraduate Research Faculty Mentoring Award recognizes faculty members who have provided exceptional mentorship and 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 27, 2017 by 5pm (ET).** Click here for more information.

CRA-E Graduate Fellows Program Accepting Nominations

The CRA Education Committee is now accepting applications for the CRA-E Graduate Fellows Program. The program provides opportunities for Ph.D. candidates in computing fields to contribute to CRA-E projects, network with computer science education advocates on the committee, engage in advocacy for mentoring undergraduate students and promote undergraduate research and education at the national level. Faculty members are invited to nominate a graduate student **by January 29, 2018.** Click here for more information.

Save the Date: 2018 CRA Career Mentoring Workshop

CRA's biennial Career Mentoring Workshop will be offered on February 26-27, 2018 at The Westin Arlington Gateway in Arlington, VA.

Save the Date: 2018 CRA Conference at Snowbird

The biennial CRA Conference at Snowbird is the flagship invitation-only conference for the leadership of the North American computing research community. The upcoming conference will be held July 16-18, 2018 in Snowbird, Utah.

Taulbee Survey Deadlines

Taulbee salary – November 20, 2017
Taulbee main – January 8, 2018
Teaching Positions survey – January 22, 2018
Email **survey@cra.org** with any questions.

Outcomes of Advertised Computer Science Faculty Searches for 2017

By Craig E. Wills, Professor and Department Head, Computer Science Department, Worcester Polytechnic Institute

This work directly follows previous work that analyzed current and future Computer Science needs via advertised tenure-track faculty searches for 2017. This follow-on work looks to understand the relative success of institutions in hiring the tenured/tenure-track faculty in the areas of Computer Science that were being sought.

Responses to a survey were obtained from 155 institutions that reported seeking tenure-track faculty in 2017. Survey respondents reported seeking 323 tenure-track faculty positions and filling 241 such positions for an aggregate success rate of 75%.

The first accompanying graph shows the percentage of institutions with each level of search success based both on the number of positions sought and institution type. As shown, 18% of all institutions failed to hire any faculty, 29% were less than successful, 46% of institutional searches were a success and 7% were more than successful. The Top-100 PhD institutions had the smallest failed search rate of 9% while BS institutions had the highest failed search rate of 24%. Top-100 (57%) and BS (60%) institutions had the highest rate of hiring at least as many faculty as were being sought.

Reported results on the previous position for hired faculty show that three types of such positions predominant. 31% of hired faculty start with a newly-earned PhD, 26% were previously in a post-doc/researcher position, and 26% were previously in a tenured or tenure-track position at another institution.

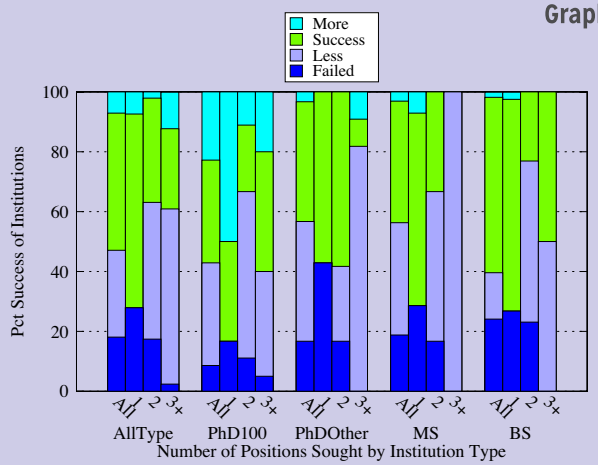
The second accompanying graph compares the percentages for areas of filled positions with the areas in which positions were sought. It shows the clustered area of AI, Data Mining and Machine Learning showed the biggest positive difference with 21% of filled positions, but only 11% of sought positions. The Theory/Algorithms area showed the second biggest positive net percentage difference of 6% between percentage of positions filled and sought. In contrast, the area of Security showed the biggest negative difference with 12% of filled positions, but 23% of sought positions.

Taulbee Survey results were used to compare areas of PhD production with areas of faculty positions sought and filled. Security is the area with most obvious discrepancy between percentage of PhDs produced (6%) and faculty positions sought (23%). AI/DM/ML and Security are the areas with the highest discrepancy between PhDs produced and positions filled with a net of 8% and 7% more positions filled than PhDs produced.

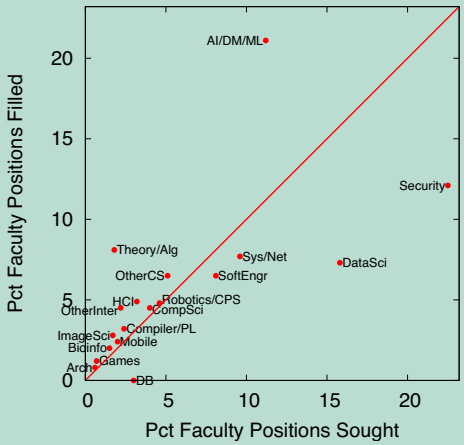
In summary, the results show a mix of success with just over 50% of institutions hiring at least the number of faculty they were seeking. In terms of areas, AI/DM/ML and Data Science collectively represent 28% of positions filled, although PhD production in these areas was not this high. There was much stronger demand for positions in Security than PhD production or positions actually filled.

The full report containing a description of the methodology and the complete results is available at http://www.cs.wpi.edu/~cew/papers/outcomes17.pdf

Graph #1



Graph #2



Computing Students with Formal Research Experience in College More Likely to Apply to Graduate School and Pursue a Ph.D.

CERP
Computing Research Association
Evaluation

By Jane Stout, CERP Director

Graduating students **with** formal research experience	Graduating students **without** formal research experience
35% applied to graduate school	**12%** applied to graduate school
Of those who applied and enrolled, **58%** entered a Ph.D. program	Of those who applied and enrolled, **35%** entered a Ph.D. program

CERP looked at the rate at which students applied to and enrolled in a graduate program immediately after college. Students who had participated in formal research during their college career were significantly more likely to: (a) have applied to a graduate program and (b) enroll in a Ph.D. program than students who had never engaged in formal research, $p < .05$. These data suggest students who engage in formal research during college are more motivated to pursue graduate work, and to pursue a Ph.D. specifically, compared to students who do not engage with formal research during college. These data do not suggest a causal link between formal research experience and graduate school pursuit (e.g., students who pursue formal research may already intend to pursue graduate school). However, the findings are consistent with other education research that finds students' intentions to pursue graduate school increase after participating in formal research [1].

Notes:

During the spring semester of 2017, CERP collected data from a sample of students graduating with a computing major (N = 647). To assess involvement with formal research, students were told "A formal research experience is an experience you apply for and through which you work closely with a mentor/research advisor," and were asked to indicate whether they had engaged in formal research during college. N = 223 indicated they had been involved with formal research; N = 424 indicated they had not.

To assess whether students had applied to graduate school, students were asked "During the 2016-2017 school year, did you apply to graduate school?" (Yes/No).

Students were then asked "What will you be doing in the fall of 2017?" (Working/Attending Graduate School/Other). N = 89 students said they would be attending graduate school. Those students were asked "What type of degree will you be pursuing?" (Master's continuation of a joint BS/MS program; Terminal Master's; Master's [intend a Ph.D., but department requires enrollment in a Master's program to start]; Ph.D.; Other). Students' programs were classified based on whether they were enrolled in a Ph.D. program. Ph.D. students included those who indicated they were enrolled in either a Master's program (and intend a Ph.D.), or Ph.D. program; all other students were categorized as not enrolled in a Ph.D. program.

Chi square tests were used to test for group differences in application and enrollment rates. Results indicated students with formal research experience were significantly more likely to have applied to graduate school, X^2 (1) = 49.18, $p < .001$. Further, among students who were enrolled in a graduate program in the fall, students with research experience were significantly more likely to be enrolled in a graduate program than students without research experience, X^2 (1) = 4.45, $p < .05$.

References:

[1] Russell, S. H., Hancock, M. P., & McCullough, J. 2007. The pipeline: benefits of undergraduate research experiences. *Science*. 316, 548-549.

Expanding the Pipeline: Toward Gender Parity in CS@ILLINOIS

CRA-W
Computing Research Association
Women

This article outlines several activities at University of Illinois Urbana-Champaign (UIUC) geared towards encouraging women to join and stay in a computing major. As the authors note, the link between UIUC's efforts and the uptick in women in computing at UIUC is speculative, as no formal evaluation has been conducted. Nevertheless, the level of engagement in broadening participation in computing at UIUC is encouraging. Of note, UIUC is one of many computing departments and organizations working to increase the representation of women in computing courses and majors. This article is the first in a series highlighting some of these departments.

By Cinda Heeren, Susan Larson, and Lenny Pitt

The CS undergraduate program at the University of Illinois is among the largest in the nation. It has grown by 250 percent over the last decade to nearly 1,800 undergraduates—and it is still growing. In the last four years, the percentage of women in our CS programs rose from 10 percent to more than 25 percent. And our freshmen class in the College of Engineering rose from 11 percent women in 2012 to about 45 percent in 2016.

This article gives a brief overview of our decade-long journey, describing our multifaceted approach to recruitment and retention of women in CS. The "tl;dr" (too long; didn't read) version is this: we tried everything, and it has been working for us.

Our Recruitment Strategies

At the University of Illinois, students select a major upon application to the university. Thus, we have three recruitment opportunities: increase the pool of women applying to CS, increase the number of highly qualified women admitted to the program, and increase the number of admitted women accepting our admission offer.

Increase the pool of female applicants

Outreach efforts

We have a long history of efforts to increase our applicant pool by "filling the pipeline" through the K-12 levels. Funding of Broadening Participation grants from the National Science Foundation, corporate sponsors, and alumni has allowed us to develop numerous outreach programs. A few are mentioned below. Additional programs and more details are available at https://cs.illinois.edu/engage/k-12-outreach.

- ChicTech visits to high schools bring members of the Women in Computer Science (WCS) student club to explain and demystify CS to students. A ChicTech retreat weekend for high school girls provides an introduction to CS in general and to Illinois in particular.
- GEMS is a collection of free day camps for middle-school and high-school girls that introduce them to the breadth of computing and its applications. This summer's camps had more than 200 participants.

Photo credit: Priten Vora, UIUC student

- GAMES residential camp offers a week-long CS track for high school girls, focusing on programming, robotics, and careers.

We've seen a number of participants enroll as undergraduates and later help run these same programs.

Programmatic Change

Over the last 10 years we've focused on systemic change to attract students with broader interests. Specifically, we have increased avenues to engage in computing outside of the Engineering College by creating new, joint programs across campus.

Following the success of an applied Informatics Minor in 2008 that enjoyed over 50 percent female participation, we began developing "CS+X" majors within the College of Liberal Arts and Sciences (LAS) in 2010 to provide students with a strong computing foundation coupled with advanced work in an LAS discipline. Not a double major (too much) or a minor (too little), we believe it is "just right," and ensures that students know enough CS to secure traditional CS jobs, and enough X to be able to contribute meaningfully to that other discipline. Our first four were CS+Anthropology, CS+Astronomy, CS+Chemistry, and CS+Linguistics, which began admitting freshmen in fall 2014. Roughly 30 percent of enrolling majors have been women. Enrollments relative to departments X are significant: CS+Linguistics, for example, comprises approximately one-third of all Linguistics majors. Thanks to a high interest throughout the university, we will continue to expand the portfolio.

Increase the number of highly qualified women admitted to the program

Considering research on stereotype threat and unconscious bias, both which could cause bias against female applicants, we've worked with the University Admissions Office, which makes all admission decisions, to better identify qualified female applicants. We've stressed to admissions the importance of a diverse class and that qualities we value can manifest in various ways such as leadership demonstrated through activities other than just a high school's coding club. After checking frequency distributions of high school GPAs, and test scores of admitted males and females in 2015, we noted women had higher qualifications than men, indicating a subconscious "raising of the bar" for the women. In 2016, the distributions were

Photo credit: Priten Vora, UIUC student

comparable and the number of female admits increased dramatically. These students are doing well in their classes, with a smaller percentage of women than men receiving a grade lower than C in the CS1 class.

Increase the number of admitted women who accept our offer of admission

Several years ago we began inviting all accepted women to visit and subsidized their travel. The "Visit WCS" program involves presentations, "speed-nerding" with WCS members, CS unplugged activities, department tours, sitting in on introductory classes, and a panel discussion with female faculty. Parents are included in some of the activities, and we host a parent lunch with the CS department's administration.

This program is coupled with the student-run SAIL program, in which our students invite *all* admitted students to campus for fun mini-classes offered by our own undergraduates. Besides other initiatives by the university, we also connect with admitted women through social media and direct connection with WCS members to answer prospective students' questions.

Prompted by our work with National Center for Women & Information Technology, we surveyed all first-year students on the different ways they engaged with us. The results confirmed our intuition that "if you know us, you'll like us." The most significant factors that helped them decide to enroll involved personal engagement such as the WCS visit, attending an on-campus presentation, or interactions with students, faculty, or advisors.

Retention Strategies

In 2006, we commissioned a study of the CS department's culture in terms of perceived attitudes about women that helped shape some of our retention efforts:

- ***Train teaching assistants (TAs).*** Students' experiences with TAs were sometimes unhelpful, and a semester-long seminar focusing on everything from pedagogy to logistics was created and required for all new TAs.
- ***Train faculty.*** All new CS faculty are expected to participate in Illinois' Academy for Engineering Education's "Collins Scholars program." As our lower-level courses have grown dramatically, we've embraced professional teaching faculty to help design and deliver core courses. A teaching professor track was created by the university, helping us attract dedicated and inspirational educators. Introductory courses have become more engaging, more active, and more relevant. Student evaluations are typically among the highest on campus, with teaching faculty winning college, campus, and external teaching awards, and external evaluators commenting on the high regard the students have for these courses.
- ***Incorporate more collaborative learning environments.*** Many courses have adopted more group work. For instance, we've added weekly group problem-solving sessions to several of our core courses.
- ***Improve mentoring.*** Not all undergraduates were connected with a faculty advisor, and those who were mostly used them for selecting courses. We have since moved to a three-tiered approach to advising: 1) Professional advisors help students with course selection and department policies; 2) All students are assigned a faculty mentor, with whom they meet at least yearly (but ideally more frequently). The relationship focuses on more strategic questions about education and life trajectory; and 3) Through the Piazza platform, we have monitored peer advising, so experienced students can offer advice to younger students.
- ***Inculcate a feeling of belonging and community.*** We've worked tirelessly on this, and support the student community in myriad ways. We have several very large and active student groups, including WCS, Association for Computing Machinery, and a Latino/a club, which we support financially and give prime real estate in the building. We encourage and support numerous events, and help groups find corporate sponsors for technical projects and social events. The default departmental response to a student initiative is "How can we help?" For example, students proposed a hackathon. This was launched as *HackIllinois* several years ago and recently saw participation by more than 1,500 students nationwide, with our students raising over $250,000 of corporate funding to support the event.

Gender Parity *(continued)*

We have an Outreach & Inreach committee of students and faculty, which fosters participation by current students in department activities and proposes new events. Participation in outreach programs increases feelings of belonging with the volunteers. Examples of Inreach activities include surprise pop-up snack breaks and department-wide social events such as a trivia or casino night.

We have strengthened ties to college efforts, including the Women in Engineering Orientation (a 2.5-day pre-move-in program for incoming women). Participants were 30 percent more likely to graduate in engineering. And we have supported tutoring for CS classes at the Center for Academic Resources in Engineering (CARE).

With these programs, the retention rate of women and men has equalized. In addition, there isn't a statistically significant difference between male and female graduation rates.

About the Authors

Cinda Heeren is a senior instructor in the CS department at the University of British Columbia, and past teaching professor of CS at the University of Illinois at Urbana-Champaign (UIUC). Susan Larson is assistant dean in the College of Engineering at UIUC, and Lenny Pitt is associate head and director of undergraduate programs in the CS department at UIUC.

Summary

It is difficult to determine the relative contribution of each of these approaches resulting in increased percentages of women in our programs (in part because we need further evaluation data). If there is a key takeaway to this story, it is this: With dozens of dedicated people attacking the challenge of increasing women's participation from every reasonable angle over a sustained period, significant progress can be achieved.

Expanding the Pipeline: Key Learnings on Retaining Underrepresented Minorities and Students with Disabilities in Computer Science

CRA-W
Computing Research Association
Women

About the Author

Jerri Barrett is the director of social media for the Center for Minorities and People with Disabilities in IT (www.CMD-IT.org).

By Jerri Barrett

Retention and graduation of underrepresented minorities and students with disabilities is critical to creating a strong pipeline of employees for both industry and academia. In early 2017, the Center for Minorities and People with Disabilities in IT (CMD-IT) announced the call for nominations for the first annual CMD-IT University Award for Retention of Minorities and Students with Disabilities in Computer Science. The University Award was created to recognize a U.S. academic institution that has demonstrated a commitment and shown results for the retention of students from underrepresented groups in undergraduate computer science programs over the last five years.

The award focuses on these underrepresented groups: African Americans, Native Americans, Hispanics, and people with disabilities. Award decisions are based on quantitative and qualitative reporting of results.The qualitative reporting includes details about the institution, the unit that awards the undergraduate computer science degree, and descriptions of the retention programs the university has implemented that have had a positive impact on retention. The quantitative reporting includes a five year history of retention data.

The first CMD-IT University Award was presented to Georgia Tech at the 2017 ACM Richard Tapia Celebration of Diversity in Computing on September 21, 2017. The University Award was sponsored by Microsoft and included a $15,000 award to be used to support retention programs.

The CMD-IT University Award decision was based on both Georgia Tech's impressive quantitative reported results, which reflected high retention and graduation rates, and qualitative reporting on their various retention programs. In particular, Georgia Tech's submission highlighted four programs highlighted as directly impacting retention and graduation. They are:

- **Threads Undergraduate Curriculum:** Georgia Tech rethought its undergraduate curriculum and built a program that maximized the flexibility the students have in their curriculum. With Threads, students combine regular computer science instruction with classes related to particular areas of application. Students are given the opportunity to take control over their curriculum by choosing two of eight Threads to create their degree plan. This gives them more than 28 different degree plans to follow. The Threads include devices, info internetworks, intelligence, media, modeling and simulation, people, systems and architecture, and theory. This has resulted in students feeling they have more control and a better understanding of their degree plan.
- **Georgia Computes and Project Rise Up:** These two programs are spearheaded by Georgia Tech to help increase engagement in computing by broadening participation in computer science at all educational levels by underrepresented groups. Project Rise Up 4 CS, started by Georgia Tech professor Barbara Ericson, helps underrepresented students pass the Advanced Placement Computer Science A exam. This project offers extra help sessions, near-peer role models, exposure to a college campus, and a community of learners.
- **Mandatory Introduction to Computer Science classes:** All students enrolled in bachelor's degree programs at Georgia Tech must take one of three computer science classes. The three programs enable students to take courses that fit their level of experience in computer science.
- **Travel Scholarships to Conferences:** Georgia Tech provides between 40 and 120 travel scholarships each year for undergraduate students to attend leading tech conferences with a diversity focus. These conferences include the Grace Hopper Celebration of Women in Computing and the ACM Richard Tapia Celebration of Diversity in Computing. By participating in these conferences, students build networks of support and attain a feeling of renewed commitment to their degree programs.

Key Learnings *(continued)*

Georgia Tech presented a panel at the 2017 Tapia Conference Faculty Workshop on student retention. Here are some highlights from the panel:

- Georgia Tech's philosophy approaching the plan for accessibility and equity was that these concepts needed to be inside everything that the program did every day. All actions had to be intentional and operationalized and lived and breathed every day.
- It is critically important to actively create an environment where everyone feels they are part of the community. The extracurricular lives of the students need to be considered as well as their educational lives. There are currently more than 30 different organizations focused on key areas of interest such as security, robotics, and big data. In addition, all freshman attend the freshman seminar and are broken into cohorts of 30-40 members with an assigned mentor. During freshman orientation a six-hour boot camp introduces students and their parents to both Georgia Tech and the resources open to them.
- Georgia Tech has created an Office of Outreach, Enrollment and Community (OEC). Its mission is to establish and steward a pipeline of qualified computing students who attend and graduate from Georgia Tech with the best possible career options. This office covers from cradle to career with programs focused on every level of education. Georgia Tech also continues to engage alums after they graduate to provide further support and give them the opportunity to give back to current students.
- The OEC also coordinates Georgia Tech summer camps. In 2017, nearly 500 elementary, middle school, and high school students are registered in the college's summer camp program. The week-long day camps included web design, robotics, Minecraft, computer game design, mobile applications, stop-motion movies, and creating music through code. One of the critical aspects of these programs was the ability to make them profitable and sustainable so that they continue forward with their own momentum.
- Also critical to the success of Georgia Tech has been the professionalization of all these efforts. Creating a dedicated staff focused on retention and graduation results in success that is not dependent on a single individual running a stand-alone program.

"We're tremendously honored to be the inaugural recipient of the CMD-IT University Award for Retention of Minorities and Students with Disabilities in Computer Science," said Charles Isbell, executive associate Dean in the College of Computing and Professor in the School of Interactive Computing. "At Georgia Tech, we've long recognized that computing must become more diverse to reach its fullest potential to serve all corners of society, and we've eagerly taken leadership roles in multiple organizations and international events that are dedicated to broadening participation in computing. The College of Computing is proud, for example, to be one of the country's top three research universities in graduating underrepresented minority Ph.D. students in the past decade, but we know there is a long way to go and much work to be done. We look forward to continuing our work with CMD-IT and other partner organizations to help computing better reflect the full spectrum of the country."

Key Learnings *(continued)*

In addition to Georgia Tech's best practices, the following are additional key learnings for retaining students shared by leading universities in their submissions:

- **Engage in national committees and task forces on this topic:** Universities successfully increase their representation of minorities and people with disabilities by actively seeking out and sharing best practices from experts.
- **Corporate and peer mentoring programs:** Such programs provide support and guidance to students throughout their academic careers as well as providing them with role models.
- **Curriculum development:** Some universities focus on creating curriculum that supports the academic, social, and developmental needs of the students as well as allowing for customization to increase student engagement.
- **Communication:** Universities use a variety of tools such as regular meetings, surveys, and events to further engage with students.
- **Organizations:** Universities are encouraging the establishment of chapters of national student support societies such as the National Society of Black Engineers, Society of Hispanic Professional Engineers, and the Society of Women Engineers to provide students with additional support from their peers.
- **Outreach to K-12:** Universities are investing in creating and implementing outreach programs to local and statewide K-12 computer science programs. These programs help feed the pipeline of future CS students and the programs also create committed students.

Submissions for the 2018 CMD-IT University Award will open in November 2017. Universities are encouraged to submit their data. Each participating university will receive a detailed report that summarizes the data across all participating institutions. All data submitted will be strictly confidential. To learn more, visit http://www.cmd-it.org/programs/current/university-award/.

American University

Assistant or Associate Professor Position
Department of Computer Science

The Department of Computer Science in the College of Arts and Science at American University invites applications for three full-time, tenure-track positions beginning August 1, 2018. Two of these positions are at the rank of Assistant Professor while the third one is an open-rank position. Applicants should have a PhD or an anticipated PhD completion by August 2018 in the field of Computer Science.

We are looking for candidates who are effective teachers, are strongly committed to excellence in scholarly research, and are excited at the prospect of joining a department in the making where they will be able to make their mark and join a friendly, collegiate and highly accomplished team. We welcome applications from candidates engaged in high-quality scholarship in the area of Computer Science, including Artificial Intelligence (with emphases on Data Mining and Natural Language Processing), Game Development (with emphases on Game Technology and Artificial Intelligence in Games) and Computer Systems (with emphases on Database Management Systems, Networking and Computer Security, Software Engineering and UI/UX). Strong candidates in other research areas, especially with domains of applications compatible with those active at American University, will also be considered as we strongly welcome researchers who ignore traditional disciplinary boundaries. In addition to scholarship and teaching, responsibilities will include participation in department, school and university activities.

Salary and benefits are competitive. Review of applications will begin by November 15. Please submit applications via: ***http://apply.interfolio.com/43649.*** Include a letter of application, curriculum vitae, three letters of recommendation, recent teaching evaluations (when possible), and copies of recent published papers or working papers. Please contact Professor Nathalie Japkowicz at ***japkowic@american.edu*** if you have any questions.

American University is a private institution within easy reach of the many centers of government, business, research, and the arts located within the nation's capital. For more information about American University, visit ***www.american.edu***.

The Department of Computer Science is a small but exciting department with a growing student population and strong research achievements. American University has specifically identified Computer Science as one of its targets for growth, with the goal of making it a premium research and teaching unit within the university. Along with the Department of Mathematics and Statistics, the Department of Physics, the Game Lab, the Collaborative for Applied Perceptual Research and Innovation (CAPRI), and the Entrepreneurship and Innovation Incubator, the Department of Computer Science has moved into the brand new Don Myers Technology & Innovation Building. Computer Science currently offers an undergraduate program, but is in the process of finalizing its Master's program, which will be offered as a 5-year BS/MS program or a 2-year MS program beginning in Academic Year 2018-2019. A proposal for a combined Ph.D. program with the Mathematics and Statistics Department as well as the Game Lab is also in the works. Learn more about the College of Arts and Sciences at ***http://www.american.edu/cas/*** and about the department at ***http://www.american.edu/cas/cs/.***

American University is an equal opportunity, affirmative action institution that operates in compliance with applicable laws and regulations. The university does not discriminate on the basis of race, color, national origin, religion, sex (including pregnancy), age, sexual orientation, disability, marital status, personal appearance, gender identity and expression, family responsibilities, political affiliation, source of income, veteran status, an individual's genetic information or any other bases under federal or local laws (collectively "Protected Bases") in its programs and activities. American University is a tobacco and smoke free campus.

Professional Opportunities

Amherst College

Assistant Professors of Computer Science (Two Positions)

The Amherst College Department of Computer Science invites applications for two full-time tenure-track positions at the rank of assistant professor, beginning July 1, 2018. Candidates in all areas of computer science are encouraged to apply. Amherst College is committed to attracting and supporting a student body diverse in terms of socioeconomic status, ethnicity, race, and nationality. This commitment has resulted in a student body in which nearly one-quarter of the students are Pell Grant recipients; 45 percent of the students identify as domestic students of color; and 10 percent of the students are international students. We seek candidates who will excel at teaching and mentoring our diverse mix of students.

The successful candidates 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 colleagues who are committed to excellence in undergraduate computer science education and in research, who are enthusiastic about teaching courses in a variety of areas, and who are excited about involving undergraduate students in research projects. The teaching responsibility is two courses each semester. The successful candidate will also supervise senior honors projects.

Amherst College is a small, highly selective liberal arts college located in Western Massachusetts, about 1.5 hours drive from Boston and three hours from New York City. The college is part of the Five College Consortium, which supports collaborations with nearby Hampshire, Mount Holyoke, and Smith Colleges, and with the University of Massachusetts. Students and faculty enjoy top-notch computing facilities, including technology-equipped classrooms, multimedia laboratories, and a high-performance computing cluster.

A cover letter, curriculum vitae and three confidential letters of recommendation should be submitted electronically to *https://apply.interfolio.com/45498*. In the cover letter, please briefly describe your current research agenda; what would be attractive to you about teaching at a liberal arts college; and what background, experience, or interests are likely to make you a strong teacher of a diverse range of Amherst College students. Applications received by November 15, 2017, will be assured of full consideration. Review of applications will continue until the positions are filled.

Amherst College is an equal opportunity employer and encourages women, persons of color, and persons with disabilities to apply. The college is committed to enriching its educational experience and its culture through the diversity of its faculty, administration, and staff.

For questions, contact the department chair, Prof. John Rager, at *jer@cs.amherst.edu*.

Arizona State University

Biodesign in Computer Science Faculty Position

The School of Computing, Informatics, and Decision Systems Engineering (SCIDSE), part of the Ira A. Fulton Schools of Engineering at Arizona State University (ASU), and the new Biodesign Center focused on Security and Robustness in Adaptive Computation invite applications for multiple tenured or tenure-track faculty positions. Areas of interest include: biological modeling (especially immunology, evolution, or ecology), cybersecurity, software engineering, and intelligent systems. Originality, fit with the Center and the potential impact of the candidate are higher priorities than specific research area.

We seek applicants who will contribute to our programs and expend collaborations between the Biodesign Institute and SCIDSE. Faculty members are expected to develop an internationally recognized and externally funded research program, adopt innovative educational practices in graduate and undergraduate education, develop and teach graduate and undergraduate courses, advise and mentor graduate and undergraduate students, and undertake service activities within the university, in the professional community and at a national level.

Required qualifications include an earned doctorate in computer science, software engineering, biological sciences, or related field and demonstrated research and

teaching excellence appropriate to the candidate's rank. The Ira A. Fulton Schools of Engineering value demonstrated commitment to interdisciplinary research and teaching, history of extramural funding, and record of significant publications.

Appointments will be at the assistant, associate or full professor rank commensurate with the candidate's experience and accomplishments, starting August 2018. Although tenure home may be in any of the Fulton Schools of Engineering, the School of Computing, Informatics, and Decision Systems Engineering is currently the most involved in the interest areas of the search. Teaching responsibilities will be to the School and research program closely tied to the new Biodesign Center.

Review of applications will begin November 30, 2017; if not filled, reviews will occur on the 1st and 15th of every month thereafter until the search is closed. Apply at *http://engineering.asu.edu/hiring/* candidates will be asked to submit the following through their Interfolio Dossier:

Cover Letter

Current CV

Statement describing research interests

Statement describing teaching interests

Contact information for three references

For further information or questions about this position please contact the search committee chair Professor Stephanie Forrest, email to *Stephanie.forrest@asu.edu*

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. Please see ASU's full non-discrimination statement (ACD 401) at *https://www.asu.edu/aad/manuals/acd/acd401.html* and ASU's Title IX policy can be located at *https://www.asu.edu/titleIX*.

Auburn University

Multiple faculty positions in Cybersecurity

The Department of Computer Science and Software Engineering (CSSE), situated within the Samuel Ginn College of Engineering, invites applications for multiple tenure-track faculty positions to begin in Fall 2018 or later. We seek candidates at the Assistant Professor level, however outstanding candidates at the Associate and Full Professor levels will also be considered. Salary will be commensurate with the candidate's qualifications. Responsibilities include research, graduate student supervision, graduate and undergraduate teaching, and service. A Ph.D. degree in computer science, software engineering or a closely related field must be completed by the start of appointment. Excellent communication skills are required.

We are interested in candidates specializing in all areas related to security, such as AI/machine learning applications to security, blockchain, cryptocurrency, cyberidentity, cyberinfrastructure and critical infrastructure protection, digital forensics, reverse engineering, secure cloud, mobile systems, networks and operating systems, secure software engineering, and securing the Internet of Things.

CSSE is home to the Auburn Cyber Research Center (*http://cyber.auburn.edu*), and is affiliated with the McCrary Institute for Critical Infrastructure Protection and Cyber Systems (*http://mccrary.auburn.edu*). The successful candidates will be associated with both of these organizations. The department currently has 21 full-time tenure-track faculty members and supports strong undergraduate and graduate (M.S. and Ph.D., with a new M.S. in Cybersecurity Engineering projected to start in Fall 2018) programs. Student enrollment for Fall 2017 is 915 undergraduate and 169 graduate students. Faculty research areas include artificial intelligence, architecture, computational biology, computer science education, data science, energy-efficient systems, human-computer interaction, Internet of Things, learning science, machine learning, modeling and simulation, multi-agent systems, networks, security, software engineering and wireless engineering. Further information may be found at the Department's home page *http://www.eng.auburn.edu/csse*.

Established in 1856, Auburn University is one of the nation's premier public land-grant institutions. It is ranked

46th among public universities in the U.S. News and World Report 2018 Best Colleges Rankings. Auburn maintains high levels of research activity and high standards for teaching excellence, offering Bachelor's, Master's, Educational Specialist, and Doctorate degrees in agriculture, engineering, and the arts and sciences. Its 2017 enrollment of 29,776 students includes 23,964 undergraduates and 5,812 graduate and professional students. Organized into twelve academic colleges and schools, Auburn's 1,450 faculty members offer more than 200 educational programs. Auburn University is nationally recognized for its commitment to academic excellence, a positive work environment, student engagement, and its beautiful campus.

Auburn residents enjoy a thriving community, recognized as one of the "best small towns in America," with moderate climate as well as easy access to major cities, beaches and mountain recreational facilities. Auburn is located on the rapidly developing I-85 corridor between Atlanta, GA, and Montgomery, AL. The Auburn City school system is ranked as one of the top school systems in the nation and the state. A nationally recognized hospital, East Alabama Medical Center, is located close by in Opelika. The Auburn-Opelika metropolitan area has a population of over 150,000.

Applicants should submit a cover letter, curriculum vita, research vision, teaching philosophy, and the names of three to five references at ***http://aufacultypositions.peopleadmin.com/postings/2460***. There is no application deadline. The application review process will begin November 1, 2017 and continue until successful candidates are identified. Selected candidates must be able to meet eligibility requirements to work legally in the United States at the time of appointment for the proposed term of employment.

In support of its strategic plan, Auburn University maintains a strong commitment to diversity with standards to help ensure faculty, staff, and student diversity through recruitment and retention efforts. Auburn University is an EEO/Vet/Disability Employer.

Augsburg University

Assistant Professor of Computer Science

Two Tenure-Track Positions

The Department of Mathematics, Statistics, and Computer Science at Augsburg University invites applications for two full-time tenure-track positions in the computer science program to begin August 15, 2018. Interested candidates should have primary teaching and research interests in computer science, especially, but not limited to, software engineering, database design, information systems, or data science. Preference will be given to teacher-scholars who are committed to excellence in undergraduate teaching and contributing, through teaching, service, and research, to a richly diverse community of learners. Teaching load is three courses per semester and includes both introductory and advanced classes. Additional responsibilities include student advising, engaging in service activities within the department, the University, and the profession.

PhD in Computer Science or equivalent area required (completed by start date). Review of applications will begin October 16, 2017; position open until filled. For full job posting and to apply for this position, go to ***http://www.augsburg.edu/hr/***

Augsburg is an equal opportunity employer and does not discriminate on the basis of gender, sexual orientation, marital status, gender identity, race, age, disability, religion, national origin, color or any other protected class.

Barnard College

Senior Endowed Chair / Director Of The Center For Computational Science

Barnard College, a premier liberal arts college in the City of New York and the nation's most selective women's college, seeks a scholar and leader to serve as Inaugural Endowed Chair in Computer Science and Director of the Center for Computational Science. This individual will build a department of computer science at the College that works in close collaboration with the Department of Computer Science in Columbia University's Fu Foundation School of Engineering and Applied Science. In this newly-created role, the Chair and Director will have the opportunity to launch a new academic program in Computer Science and frame programming and content for a new Center for Computational Science. The

endowed chair position will be tenured in the Barnard Department of Mathematics until a department of computer science is formally established. The Chair and Director is expected to be in place no later than September 2018.

Barnard benefits from close collaborations with academic departments across Columbia University, and it is expected that this individual will have an affiliate position and intellectual home in both the Computer Science Department and at the Data Sciences Institute at Columbia University. In addition to curricular development, the endowed chair position will have the resources to recruit junior faculty and post-doctoral scholars and stimulate interactions with units across Barnard, many of which have quantitatively and computationally oriented components, and with Columbia.

Barnard seeks a leader in the field of computer science with a distinguished record of scholarship and is open to candidates from a variety of research areas. The ability to develop curriculum, an understanding of the importance of collaboration across disciplines, and a deep commitment to the undergraduate experience, the importance of women's colleges, and excellent communication skills are required.

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.

Inquiries, nominations, and applications should be sent in strict confidence to:

Jane McMahon, Managing Associate

Isaacson, Miller

www.imsearch.com/6376

Barnard College is an Equal Opportunity Employer. Barnard does not discriminate due to race, color, creed, religion, sex, sexual orientation, gender and/or gender identity or expression, marital or parental status, national origin, ethnicity, citizenship status, veteran or military status, age, disability, or any other legally protected basis, and to the extent permitted by law. Qualified candidates of diverse ethnic and racial backgrounds are encouraged to apply for vacant positions at all levels.

Belmont University

Assistant Professor of Computer Science

Belmont University invites applications for Assistant Professor in Computer Science (tenure-track), to begin August 1, 2018.

Details are online at *https://csc.belmont.edu/jobs/apcs18.*

Bowling Green State University

Department of Computer Science
Assistant Professor, Tenure-track faculty position available August 2018

Responsibilities: Candidates must have potential for excellence in research and a strong commitment to teaching at both the undergraduate and graduate levels.

Minimum Qualifications: Area of specialization within Cyber Security and Digital Forensics are open. A Ph.D. in Computer Science or related field is required; advanced ABD candidates will be considered but must complete requirements for the Ph.D. prior to employment.

For a complete job description & instructions on how to apply for this position visit *http://bgsu.hiretouch.com/job-details?jobID=4763&job=assistant-professor-computer-science-cyber-security-digital-forensics* or contact the Office of Human Resources, BGSU.

Application deadline is January 5, 2018. Background check is required for employment.

BGSU is an AA/EEO/Vet employer. We encourage applications from women, minorities, veterans, and persons with disabilities regardless of age, gender identity, genetic information, religion, or sexual orientation.

BOSTON UNIVERSITY

The Department of Electrical & Computer Engineering (ECE) at Boston University (BU) anticipates openings for multiple **Tenure-Track Assistant Professor** positions. Priorities are in: (a) **analog and RF electronics for integrated or flexible sensor or actuator systems**, with impact in applications such as biomedicine, neuroscience, prosthetics, wearable technology, autonomous vehicles, or Internet-of-Things, (b) **machine learning, data science, and large-scale optimization**, with impact in areas such as biological, social, and health sciences, or applications such as recommender systems or smart vehicles, and (c) **software and systems security**, with impact in applications such as mobile security, biomedical devices, or autonomous vehicles. Candidates with research programs that transcend the traditional boundaries of ECE are welcome to explore affiliated appointments in appropriate departments, such as Biomedical Engineering, Computer Science, and Mathematics and Statistics. The BU footprint in both data science and security is growing significantly creating synergistic communities and opportunities. Departments involved in this growth initiative include Electrical and Computer Engineering, Computer Science, and Mathematics and Statistics.

BU ECE is a rising department and attracts exceptional graduate student and faculty talent at all levels. Research activity by primary faculty is approximately $26M per year. The College of Engineering is currently ranked 35th in the nation by US News and World Report, and 15th among private universities. BU ECE faculty lead and participate in several high-profile, multidisciplinary research centers, including the Center for Information and Systems Engineering, the Hariri Institute for Computing and Computational Science and Engineering, Center for Systems Neuroscience, Center for Integrated Life Science and Engineering, and the Photonics Center.

We are looking for outstanding candidates who demonstrate potential for leading an independent and vibrant funded research program in their area of expertise, teach effectively at the graduate and undergraduate levels, and utilize their expertise to strengthen collaborative research within the department and beyond.

Boston University is an AAU institution with a rich tradition dedicated to inclusion and social justice. We are proud that we were the first American university to award a PhD to a woman and that Martin Luther King Jr. received his PhD here. We are dedicated to increasing the participation of all talented students and are committed to the pursuit of engineering by underrepresented groups at BU and beyond.

For more information about BU ECE, please visit: ***http://www.bu.edu/ece/***

We encourage candidates to apply early. Applications received by **December 15, 2017** will be given full consideration.

Boston University is an equal opportunity 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. We are a VEVRAA Federal Contractor.

Brandeis International Business School

Senior Lecturer / Professor of the Practice in Data Analytics

The Brandeis International Business School invites applications for a Senior Lecturer/ Professor of the Practice (non-tenure track) appointment in data analytics beginning fall 2018. The search will consider candidates with teaching interests in all areas of data analytics, with applications to one or more areas including finance, marketing, operations, and strategy. Ideal candidates will have a record demonstrating excellence, or the potential for excellence, in teaching. A doctoral degree is preferred. Appointment at the level of Professor of the Practice would be reserved for individuals with distinguished reputations as outstanding practitioners who have achieved national recognition by their professional peers.

Brandeis University is an equal opportunity employer committed to building a culturally diverse intellectual community and strongly encourages applications from women and minorities.

Application Instructions: Candidates should electronically submit a CV, a letter expressing interest, letters of reference, and an explanation of their teaching philosophy directly to *busrecruiting@brandeis.edu* to the attention of the Faculty Search Committee, Brandeis International Business School, MS 032, Waltham, MA 02453. We will begin reviewing applications on October 30, 2017. Priority will be given to applications submitted before that date.

BRANDEIS UNIVERSITY
WALTHAM, MA. 02454

Assistant Professor in Machine Learning and Data Science

The Computer Science Department at Brandeis University invites applications for a full-time, tenure-track assistant professor, beginning Fall 2018, in the broad area of Machine Learning and Data Science, including but not limited to deep learning, statistical learning, large scale and cloud-based systems for data science, biologically inspired learning systems, and applications of analytics to real-world problems. Of interest are persons with collaborative potential or experience with life sciences or the physical sciences. Applicants must have a Ph.D. in Computer Science or a closely related field, and must have completed all requirements for the doctoral degree by the start of the position.

A research-intensive liberal arts university, Brandeis fosters highly collaborative science both within and between departments and is currently conducting multiple searches that will strengthen cross-disciplinary studies across the sciences. The suburban campus in Waltham, MA is just 20 minutes from the bustling academic and biotechnology centers of Boston and Cambridge. Brandeis is a member of the Association of American Universities, and is ranked in the top 35 by US News.

The Computer Science department has 12 regular faculty members who have a teaching load of one course per semester and diverse research interests. Our outstanding undergraduates, currently 50 per year, attain positions across industry as well as elite graduate schools. The department benefits from collaborative opportunities within the University and the greater Boston area. It offers a Ph.D. degree in Computer Science and several Master's degree programs that collectively produce another 60 graduates per year. The department also hosts the Linguistics major, and our Master's program in Computational Linguistics is nationally recognized.

Brandeis University is an equal opportunity employer, committed to building a culturally diverse intellectual community, and strongly encourages applications from women and minorities. Diversity in its student body, staff and faculty is important to Brandeis' primary mission of providing a quality education. The search committee is therefore particularly interested in candidates who, through their creative endeavors, teaching and/or service experiences, will increase Brandeis' reputation for academic excellence and better prepare its students for a pluralistic society.

To apply, please submit a cover letter, a curriculum vitae, a research and a teaching statement, up to three publications, and three letters of reference, to AcademicJobsOnline at https://academicjobsonline.org/ajo/jobs/9893. First consideration will be given to applications received by January 1, 2018.

Contact Details: Business Analytics Faculty Search Committee

Brandeis International Business School

415 South St. MS 032

Waltham, MA 02453

Informational URL:
http://brandeis.edu/global

For more information email:
busrecruiting@brandeis.edu

Cal Poly Pomona

Assistant Professor, Computer Science

The Computer Science Department invites applications for one tenure-track position at the rank of Assistant Professor to begin Fall 2018. We are particularly interested in candidates with specialization in Artificial Intelligence, Robotics, Computer Graphics, Game Development and related/emerging

areas. Strong candidates from other areas are also encouraged to apply.

Cal Poly Pomona is 30 miles east of L.A. and is one of 23 campuses in the California State University. The department offers an ABET-accredited B.S. program and an M.S. program. Qualifications: Possess, or complete by Aug. 1, 2018, a Ph.D. in Computer Science or closely related area. Demonstrate strong communication skills, commitment to actively engage in the teaching, research, and curricular development activities of the department at both undergraduate and graduate levels, and demonstrate a commitment to contribute, teach, and engage in a multicultural environment with a diverse student body. Ability to teach a broad range of courses, and to articulate complex subject matter to students at all educational levels.

First consideration will be given to completed applications received no later than November 13, 2017. Contact: Faculty Search Committee, Computer Science Department, Cal Poly Pomona, Pomona, CA 91768. Email: *cs@cpp.edu*. Position announcement available at: *http://www.cpp.edu/~faculty-affairs/open-positions/college-unit/sci/index.shtml*. Lawful authorization to work in US required for hiring.

EOE/Minorities/Females/Vets/Disability.

Cal Poly State University

Assistant/Associate Professor in Computer Science and Software Engineering

The Computer Science and Software Engineering Department within the College of Engineering at Cal Poly State University invites applications for one or more full-time, academic year, tenure-track Computer Science and Software Engineering faculty positions, at a rank and salary commensurate with the applicant's background and experience. The anticipated start date is September 2018. Duties include teaching undergraduate and master's level courses, supporting and expanding curricular development in Computer Science and Software Engineering, pursuing research in the areas listed below, and providing service to the department, the university, and the community. Strategic priorities of the department for this position include:

Programming Languages

AI, Machine Learning, Data Science Theory

Operating Systems Robotics

An earned doctorate (Ph.D.) in Computer Science, Software Engineering, or a closely related field from an accredited institution or international equivalent is required for appointment. For full details, qualifications and application instructions (online faculty application required), visit *WWW.CALPOLYJOBS.ORG* and apply to Requisition #104552. Review Begin Date: December 15, 2017. EEO.

Cal Poly State University

Assistant or Associate Professor - Cybersecurity

COMPUTER SCIENCE TENURE-TRACK POSITION – CYBERSECURITY: Full Time position available in the Computer Science Department at Cal Poly, San Luis Obispo, during the 2018-2019 academic year.

For details, qualifications and application instructions (online faculty application required), visit *WWW.CALPOLYJOBS.ORG* and refer to Requisition #104478. Applicants can email Zachary Peterson for questons at *znjp@calpoly.edu*

Review Begin Date: December 15, 2017.

EEO.

California State University Long Beach

Assistant Professor

The Computer Engineering Computer Science (CECS) Department at California State Long Beach has two open tenure-track positions. In Computer Science, we are looking for outstanding candidates with background in Computer Vision / Machine Learning / Robotics. In Computer Engineering we are looking for applicants with background in any area. The CECS Department is in the College of Engineering, ranked in the top 50 in the nation for undergraduate education.

For more information please see *http://web.csulb.edu/divisions/aa/personnel/jobs/coe/*

Professional Opportunities

Carnegie Mellon University

School of Computer Science – Faculty Hiring

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. Faculty positions are specific to each department, though in certain cases, joint positions are also possible.

We are seeking tenure, research, and systems track faculty candidates with a strong interest in research, an earned Ph.D., and outstanding academic credentials. Candidates for tenure track appointments should also have a strong interest in graduate and undergraduate education.

We are also seeking teaching track faculty candidates. You should have a Ph.D. in Computer Science or a related computing discipline, a background of demonstrated excellence and dedication to teaching, the ability to collaborate with other faculty in a fast-paced environment, and must be prepared to teach in a wide variety of settings, including large undergraduate lecture courses and classes delivered in non-traditional formats.

Candidates with a commitment toward building an equitable and diverse scholarly community are particularly encouraged to apply. We are very interested in applications from candidates who have a demonstrated track record in mentoring and nurturing women and students from groups traditionally underrepresented in computer science.

To ensure full consideration of your application, please submit all materials no later than December 15, 2017. In your cover letter, please indicate clearly the department(s) you are applying to. You can learn more about our hiring plans and application instructions by visiting *http://www.cs.cmu.edu/employment-scs*.

For more information about the hiring priorities in a particular department, please visit a department site below:

Computational Biology Department:
http://www.cbd.cmu.edu/tenure-track-faculty-positions/

Computer Science Department:
https://www.csd.cs.cmu.edu/careers/faculty-hiring

Human-Computer Interaction Institute:
https://hcii.cmu.edu/careers/list

Institute for Software Research:
http://www.isri.cmu.edu/jobs/index.html

Language Technologies Institute:
http://lti.cs.cmu.edu/news/lti-hiring

Machine Learning Department:
http://www.ml.cmu.edu/Faculty_Hiring.html

Robotics Institute:
http://ri.cmu.edu/about/hiring-faculty-positions/

Please send email to *faculty-search@cs.cmu.edu* with any questions.

Carnegie Mellon University shall abide by the requirements of 41 CFR §§ 60-1.4(a), 60-300.5(a) and 60-741.5(a). These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities, and prohibit discrimination against all individuals based on their race, color, religion, sex, or national origin. Moreover, these regulations require that covered prime contractors and subcontractors take affirmative action to employ and advance in employment individuals without regard to race, color, religion, sex, national origin, protected veteran status or disability.

Clemson University

Lecturer – School of Computing

The School of Computing at Clemson University invites applicants for a Lecturer position beginning January or August 2018. Responsibilities will include teaching (primarily for undergraduate classes), student advising, participation in departmental and university committees, and other typical faculty responsibilities. Teaching assignments will be determined based on school needs and candidate interests. The ability to teach courses in operating systems, networks or software engineering is desirable, though not required. Lecturers are eligible for promotion to the rank of Senior Lecturer.

More information and application procedures may be found at:

http://www.clemson.edu/computing/connect/positions.html

Professional Opportunities

Clemson University

Tenure-Track Faculty Positions in the School of Computing

The School of Computing at Clemson University invites applications from a culturally diverse pool of candidates for positions in its three academic units representing a broad cross-section of computing and its applications: the Division of Computer Science (CS), the Division of Human-Centered Computing (HCC), and the Division of Visual Computing (VC). Preference will be given to candidates at the rank of Assistant Professor, though all ranks will be considered. CS prefers applicants with interest in machine learning, software engineering, and security. HCC invites applicants whose work demonstrates strong potential impact in any area of human-centered computing. VC invites applicants with areas of interest such as computer graphics, computer vision, animation, simulation, motion, human modeling, game development, digital production, visualization, robotics, and perceptual methods.

More information may be found at *http://www.clemson.edu/cecas/departments/computing/connect/tenuretrack2017.html*

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

College of the Atlantic

Faculty Member in Computer Sciences

College of the Atlantic invites applications for our first faculty member in computer science. We seek an energetic, innovative teacher with broad intellectual interests to offer a range of classes to motivated students with diverse backgrounds and goals. In addition to core CS classes, we welcome courses that make connections between computer science and other areas.

See *http://www.coa.edu/employment* for details.

Review of applications begins on November 27, 2017. Send applications to *cs@coa.edu*

Colorado College

Visiting Assistant Professor of Computer Science

The Department of Mathematics and Computer Science at Colorado College announces a one-year, non-tenure track Assistant Professor of Computer Science position to begin in August 2018, contingent upon final approval of funding. Visiting appointments may be renewed annually, depending on staffing needs and overall performance, resulting in a maximum possible term at the college of four years. A PhD in computer science or related field is strongly preferred, but ABD will be considered. We will consider candidates in any area of computer science. Applicants must be able to teach a wide range of courses across the department's computer science curriculum.

Colorado College is a leading national liberal arts college with a distinctive academic calendar called the Block Plan, in which students take one course at a time. The teaching load for this position will consist of five regular courses per year, plus senior thesis supervision. The college supports active scholarship via travel to conferences and internal grant opportunities.

The College is committed to increasing the diversity of the college community. Further, Colorado College is dedicated to the development of faculty and staff who are committed to inclusive practices in teaching, learning, and working. Candidates who can contribute to that goal are particularly encouraged to apply.

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, separate statements describing commitment to teaching and to research, a curriculum vita, graduate school transcripts and three letters of recommendation (at least one of which should address teaching ability). The department plans to hold phone interviews in the middle of January, and to invite one or more top candidates for an on-campus interview in February or March 2018. Our online application process can be initiated at *http://employment.coloradocollege.edu/postings/3091*. Review of applications will begin on January 1, 2018; we will continue to consider applications until the position is filled.

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.

Data Science Institute, Columbia University

Applied Data Scientists | Open Rank

The Data Science Institute of Columbia University invites applications to our Applied Data Scientist position(s) as candidates for Staff Associate, Senior Staff Associate, and/or Research Scientist (Open Ranks).

The Data Science Institute of Columbia University's mission involves advancing the state of the art in data science; transforming all fields, professions, and sectors through the application of data science; and ensuring the responsible use of data for the benefit of society.

The Data Science Institute at Columbia University, started in 2012, is a university-level institute representing over 250 faculty from 12 different schools across campus, along with a robust industrial affiliates program and strong ties with New York City's economic development, including the dynamic and fast-growing start-up community.

The Institute's Applied Data Scientist(s) will help to anchor Columbia's presence as a leader in Data Science research and application, by serving will serve as Columbia's resident experts to foster collaborations with the world-class faculty across all entire University to guide, plan, and execute data science research, application, and technological innovation to address societal challenges. They will also be encouraged to pursue their own research interests in data science.

The Applied Data Scientist(s) responsibilities may include, but are not limited to:

- Contribute to research projects involving one or more elements of data science such as large-scale data management, machine learning and statistics, interactive visualization and specialized data presentation interfaces.
- Identify opportunities for long-term research collaboration between the Data Science Institute and the various schools at the University. Fostering such inter-disciplinary collaborations is a key mission of the Institute.
- Organize and conduct training for faculty, staff, and students in data science techniques and technologies.
- Develop and release open source software.
- Develop web materials communicating significant results, best practices and case studies with specific technologies, and documentation for significant software.
- Advocating best practices for scientific reproducibility of all results, and contribute to a "culture of reproducibility" across campus.
- Advance the reputation of Columbia's Data Science Institute as a center of excellence in data science methods and practice.

Minimum Position Requirements depend upon level applying for:

- *Staff Associate (SA):* Bachelor's degree required; plus 4 years related experience; or a graduate degree plus 2 years related experience preferred.
- *Senior Staff Associate (SSA):* Bachelor's degree required; plus 8 years related experience; or a graduate degree plus 6 years related experience preferred.
- *Associate Research Scientists (ARS):* PhD degree in Computer Science or related discipline required; demonstrated innovation and excellence in research. Candidates are evaluated on research ability and required expertise. At least 2 years of postdoctoral experience are required, as well as a strong publication record.
- *Research Scientist or Sr. Research Scientist:* PhD degree in Computer Science or related discipline required; demonstrated innovation and excellence in research. Candidates are evaluated on research ability and required expertise. Must have a strong record of attracting grant support and supervising graduate research students, and 6-10 years of experience.

Additional Required Skills as part of this position:

- Extensive programming experience in R and/or Python for data analysis;
- Demonstrated experience in software engineering and/or advanced statistical methods;

- Demonstrated experience communicating results through writing, visualization and presentations, both in and out of one's own discipline;
- Strong interpersonal, organizational and communication skills, and willingness to work with multiple researchers and PhD students;
- Record of successful record of research collaborations outside one's own field, as evidenced by publications, and/or grants, and/or collaborative software outputs;

Additional Preferred Skills:

- Experience managing large and complex projects involving a wide variety of constituents and stakeholders;
- Experience participating in open source software development and significant contributions to open source projects are also highly valued in this role;
- Programming experience in programming languages like C, C++, Java, Scala, Julia, Matlab;
- Experience with statistical software such as SPSS, Stata or SAS;
- Good at switching between tasks and assisting project members;
- Skilled at interacting with internal and external partners;
- Informed and devoted user of industry best practices;
- Ability to work under pressure of deadlines and be able to deliver required results on time;
- Strong analytical and quantitative ability'

Postdoctoral Research positions are also available (please see Institute homepage for details).

Columbia University is an Equal Opportunity/Affirmative Action employer.

Cornell University

Tenure / Tenure Track Faculty

Faculty positions in Information Science are available at the Cornell University campus in Ithaca, NY. Applications are welcome at all levels, including tenured, tenure-track, and lecturer. Note that faculty positions at the Cornell Tech campus in New York City require a separate application.

The Department of Information Science at Cornell University brings together faculty, students and researchers who share an interest in advancing our understanding of how people and society interact with computing and information. Exceptional candidates in all areas related to the department's current research trajectories and priorities will be given serious consideration; these include human-computer interaction (HCI) and design; data science and its implications; computer-supported cooperative work (CSCW) and computer-mediated communication (CMC); social computing; information policy; network science; computational social science; digital humanities; the history and anthropology of computing and data; the interface of economics and information; critical and interpretive analysis of information systems; human-robot interaction (HRI); ubiquitous computing and interactive systems; information visualization; the sociology of organizations and innovation; policy and design for social impact; technology and equity.

Candidates must hold or receive a Ph.D. or equivalent degree by August 2018. Assistant Professor candidates must demonstrate the potential to achieve excellence in research and teaching at both the graduate and undergraduate levels. More senior candidates must have an established record of outstanding research and excellent teaching at both the graduate and undergraduate levels; salary and rank will be commensurate with qualifications and experience. Experienced applicants may merit a tenured Associate Professor or Professor position, depending on their qualifications. Lecturer candidates must demonstrate the potential to achieve excellence in teaching at the undergraduate and master level.

To ensure full consideration, applications should be received by December 1, 2017, but will be accepted until all positions are filled.

Applicants should submit a cover letter, curriculum vita (CV), brief statements of research and teaching interests, and arrange to have at least three reference letters submitted. In the cover letter, CV, or research statement, applicants should identify a small set of their most significant

pieces of work. The above application information should be submitted online at *https://academicjobsonline.org/ajo/jobs/9895*.

The Information Science Department is housed in the Faculty of Computing and Information Science. In Ithaca, it is located in Cornell's Gates Hall. It has strong connections with several other units on campus, including: Computer Science (with which it shares Gates Hall), Communication, Economics, Sociology, Science and Technology Studies, Operations Research and Information Engineering, and Cognitive Science.

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

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

Information about the Information Science Department appears at *www.infosci.cornell.edu*. Inquiries about your application may be directed to *fac_recruit@infosci.cornell.edu*

Cornell University

Multiple Tenure-Track Faculty Positions

The SCHOOL OF ELECTRICAL AND COMPUTER ENGINEERING at CORNELL UNIVERSITY, Ithaca, New York, invites applications for multiple tenure-track Faculty positions in all areas of electrical and computer engineering, as well as interdisciplinary areas such as robotics and cyber-physical systems, bio-ECE, microsystems, machine learning, applied mathematics, and energy. See our website, *https://www.ece.cornell.edu/academics*, for additional information on our programs.

Applicants must hold a doctorate in an appropriate field by the time their Faculty appointment would begin, must have demonstrated an ability to conduct outstanding research, and must show promise for excellence in teaching. Although we anticipate filling positions at the assistant professor level, applications at all levels will be considered; salary and rank will be commensurate with qualifications and experience.

Applicants should submit a curriculum vita, a research statement, a teaching statement, three recent publications, and complete contact information for at least three references. Applications must be submitted on-line at *https://academicjobsonline.org/ajo/jobs/9871*. Review of applications will begin immediately. Applications received by December 4, 2017, will receive full consideration.

The School of Electrical and Computer Engineering is especially interested in qualified candidates who can contribute, through their research, teaching, and/or service, to the diversity of the academic community and to creating a climate that attracts students of all races, genders and nationalities. We strongly encourage underrepresented minority and women candidates to apply. Cornell University actively seeks to meet the needs of dual career couples, has a Dual Career program, and is a member of the Upstate New York Higher Education Recruitment Consortium to assist with dual career searches.

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

Cornell University

Tenured, Tenure-track, or Lecturer Positions – Computer Science

Multiple faculty positions in computer science are available at Cornell's Ithaca campus. Applications are welcome in all areas of computer science and related fields and at all levels, including tenured, tenure-track, and lecturer.

Faculty hired in these positions will be members of the Department of Computer Science, which spans the Ithaca and New York City campuses, but their teaching and research will be based in Ithaca. The department is ranked among the top

computer science departments in the country. (Interested candidates can apply for a Cornell Ithaca position, a Cornell Tech in NYC position, or both, but the two campuses have different application sites; please see the Cornell Tech ad for the NYC application URL.)

Tenured and tenure-track faculty must hold the equivalent of a Ph.D. Applicants must have demonstrated an ability to conduct outstanding research. Successful candidates are expected to pursue an active research program, to teach graduate and undergraduate courses, and to supervise graduate students. Lecturers must hold the equivalent of a Masters degree, with a Ph.D. preferred.

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

To ensure full consideration, applications should be received by December 1, 2017, but will be accepted until all positions are filled.

Applicants should submit a curriculum vitae and brief statements of research and teaching interests, identify one or two top publications to which they have made significant contributions, and arrange to have at least three reference letters submitted at: *https://academicjobsonline.org/ajo/jobs/9726*.

Inquiries about your application may be directed to *frecruit@cs.cornell.edu*.

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

CUNY John Jay College of Criminal Justice

Assistant Professor or Associate Professor (Multiple Positions)

The Mathematics and Computer Science Department of the CUNY - John Jay College of Criminal Justice seeks applicants, in the field of Computer Security or related areas, for tenure-track positions at the Assistant or possibly Associate Professor level to begin Fall 2018. Successful candidates will teach courses in the new undergraduate Computer Science and Information Security major as well as in the Digital Forensics and Cybersecurity graduate program. Candidates will also have opportunities to serve as research mentors to students of all levels at Bachelors, Masters and potentially Computer Science Ph.D. programs at CUNY Graduate Center. Candidates are expected to bring enthusiasm and demonstrated commitment to teaching and to develop and maintain an active research and publication agenda.

Candidates are expected to have a Ph.D. in Computer Science or related field at the time of appointment. CUNY offers faculty a competitive compensation and benefits package covering health insurance, pension and retirement benefits, paid parental leave, and savings programs. We also provide mentoring and support for research, scholarship, and publication as part of our commitment to ongoing faculty professional development.

Please follow the instructions below to apply:

- Go to *www.cuny.edu* and click on "Employment"
- Click "Search job listings"
- Search by job Opening ID number (17512)
- Click on "more options to search for CUNY jobs"
- Click on the "Apply Now" button and follow the instructions

The application package is expected to include: an application letter with statement of research and teaching interests, C.V., names of three references along with contact information, and proof of PhD or progress toward the degree. All items to be uploaded must be combined in a single document preferably in PDF format.

Review of resumes to begin October 11, 2017. Posting closes on December 1, 2017.

CUNY encourages people with disabilities, minorities, veterans and women to apply. At CUNY, Italian Americans are also included among our protected groups. Applicants and employees will not be discriminated against on the basis of any legally protected category, including sexual orientation or gender identity. EEO/AA/Vet/Disability Employer.

Professional Opportunities

Dakota State University

The Beacom College of Computer and Cyber Sciences
Faculty Positions Open, Fall Semester 2017

The Beacom College of Computer and Cyber Sciences at Dakota State University is looking to appoint highly qualified and committed scholars and teachers to fill multiple, newly created faculty positions.

We seek to fill several, newly created tenure-track faculty positions in Computer and Cyber Sciences in digital forensics, cyber intelligence, augmented intelligence, reverse engineering, cyber operations, and other subspecialties. These positions will be appointed with rank, depending on experience.

We seek to fill additional newly created positions that will be "teaching intensive" focused on course delivery and slightly larger teaching loads. These positions do not require a terminal degree.

The minimum qualifications for tenure track positions include a Ph.D. from an accredited institution in an appropriate discipline, teaching, research and service experience required. Instructor/Lecturer positions require a Masters, university teaching and advising experience and a passion for teaching. We urge nontraditional applicants, e.g., retired military, agency professionals, post-doc scholars and ABD candidates, to consider application.

Candidates must apply online at *www.dsucyber.com/apply* All positions are open now and will remain open until filled. For optimal consideration please apply by Oct. 15, 2017. There is a possibility for a January 1, 2018 start for some of the positions. Questions? Please contact Dr. Dick Hanson, Dean, The Beacom College of Computer and Cyber Sciences (*Richard.Hanson@dsu.edu*).

Dalhousie University

Tenure Tenure-Stream Position in Cloud Computing and Distributed Systems

Dalhousie University is recognized internationally for our world-class academic programs and as one of Canada's leading research institutions. With our 200th anniversary on the horizon in 2018, Dalhousie welcomes talented scholars to our home by the ocean and to join our mission to make a lasting impact through the discovery, advancement and sharing of knowledge.

The Faculty of Computer Science at Dalhousie University (*http://www.cs.dal.ca*) invites applications for a Tenure Stream Assistant Professor Position in Cloud Computing and Distributed Systems (*https://www.dal.ca/faculty/computerscience/research-industry/research-clusters.html*). We are seeking an outstanding candidate whose research considers Systems and Systems Design, in areas such as Cloud Systems and Cloud Computing, Distributed Systems and Distributed Databases, and/or Parallel Architectures and Parallel Systems.

Dalhousie University is located in Halifax, Nova Scotia (*http://www.halifaxinfo.com*), which is the largest city in Atlantic Canada and affords its residents a high quality of life. Dalhousie University is a member of the U15 research-intensive universities in Canada. The Faculty of Computer Science is a research-intensive faculty within Dalhousie, with 30 faculty members, including Tier I and Tier II CRCs, and approximately 1200 students, one quarter of whom are graduate students at the Master's or Doctoral level. It offers Bachelor of Computer Science, Bachelor of Applied Computer Science, Master of Computer Science, Master of Applied Computer Science, and PhD programs. The Faculty also partners with other Faculties in the University to offer the Master of Electronic Commerce, Master of Health Informatics, and Master of Science, Computational Biology and Bioinformatics programs, and is an active participant in the Interdisciplinary PhD program.

The successful candidate will be an outstanding scholar who holds or will have completed a PhD in Computer Science or a related area by the appointment date. Evidence of a strong commitment to and aptitude for both research and teaching is essential. The ideal candidate will be open to collaborative research within the Faculty.

Applicants should have demonstrated potential to establish independent scholarly research. The successful candidate will teach both undergraduate and graduate courses, develop graduate-level courses, and support the Faculty's initiatives. The applicant will be expected to establish a strong externally-funded

research program, supervise graduate student research, and foster existing and new collaborations with government, industry, and with other members of Dalhousie's research community.

Dalhousie University is committed to fostering a collegial culture grounded in diversity and inclusiveness. The university encourages applications from Aboriginal people, persons with a disability, racially visible persons, women, persons of minority sexual orientations and gender identities, and all candidates who would contribute to the diversity of our community. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

Applications must include an application letter, curriculum vitae, a statement of research and teaching interests, sample publications, and the names, email addresses and physical addresses of three referees. The application must include the Self-Identification Questionnaire, which is available at *http://www.dal.ca/becounted/selfid*. Review of applications will commence December 1st, 2017.

Applicants should provide their referees with the URL of this advertisement (see below), and request that they forward letters of reference by email to the same address.

Submission address for application documents and reference letters: *systems-search@cs.dal.ca*

Location of this advertisement: *www.cs.dal.ca*

Dartmouth College

Assistant or Associate Professor of Computer Science

The Dartmouth College Department of Computer Science invites applications for four tenure-track faculty positions at the level of assistant or associate professor. We seek candidates who will be excellent researchers and teachers in the following four areas: (1) graphics, (2) robotics, (3) machine learning; and (4) systems. Outstanding applicants in other areas will also be considered. Applicants should hold a Ph.D. in Computer Science or a related field. We particularly seek candidates who will help lead, initiate, and participate in collaborative research projects within Computer Science and beyond, including Dartmouth researchers from other Arts & Sciences departments, Geisel School of Medicine, Thayer School of Engineering, and Tuck School of Business.

The Computer Science department is home to 22 faculty members. Research areas of the department encompass the areas of graphics, vision, robotics, machine learning, systems, security, algorithms, theory, computational biology, and digital arts. The Computer Science department is in the School of Arts & Sciences, and it has strong Ph.D. and M.S. programs and outstanding undergraduate majors. The department is affiliated with Dartmouth's M.D.-Ph.D. program and has strong collaborations with Dartmouth's other schools.

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

Applicants are invited to submit application materials via Interfolio at *http://apply.interfolio.com/44350.* Please upload a CV, research statement, and teaching statement, and request at least four references to upload letters of recommendation, at least one of whom should comment on teaching. Email *facsearch-2017@cs.dartmouth.edu* with any questions.

We seek candidates who have a demonstrated ability to contribute to Dartmouth's undergraduate diversity initiatives in STEM research, such as the Women in Science Program, E. E. Just STEM Scholars Program, and Academic Summer Undergraduate Research Experience (ASURE). We are especially interested in applicants with a demonstrated track record of successful teaching and mentoring of students from all backgrounds (including first-generation college students, low-income students, racial and ethnic minorities, women, LGBTQ, etc.).

Dartmouth College is an equal opportunity/affirmative action employer with a strong commitment to diversity and inclusion. We prohibit discrimination on the basis of race, color, religion, sex, age, national origin, sexual orientation, gender identity or expression, disability, veteran status, marital status, or any other legally protected

status. Applications by members of all underrepresented groups are encouraged.

Application review will begin January 1, 2018, and continue until the positions are filled.

Duke University

Tenure-Track Faculty Positions in Computing

Duke University invites applications and nominations for five tenure-track or tenured faculty positions in computing, at all ranks, to begin July 2018. This search is a joint initiative between the Department of Computer Science and the Department of Electrical and Computer Engineering to rapidly expand the university's existing strengths and to support exciting new initiatives in computing. We encourage applications in all areas of computer science and engineering, with special interest in the following themes: Two positions in all disciplinary areas of computer science, including but not limited to security and privacy, distributed systems and networking, mobile and embedded systems, machine learning, algorithms, as well as interdisciplinary work that relates to social sciences or biological sciences. Two joint positions between computer science and electrical and computer engineering in the area of machine learning (with an applied and methodological focus). One position in all disciplinary areas of computer engineering, including but not limited to security and privacy, distributed systems and networking, as well as mobile and embedded systems. Candidates are expected to have a doctoral degree in computer science, computer engineering, or a related discipline. A successful candidate must have a solid disciplinary foundation and demonstrate promise of outstanding scholarship in every regard, including research and teaching.

The Duke faculty and students communities are currently very diverse and are strongly committed to further enhancing this diversity. We seek faculty members who are committed to building a diverse and inclusive community, which fosters excellence in research and teaching. We strongly encourage applications from women and underrepresented minorities in computing.

Please see *www.cs.duke.edu*, *www.ece.duke.edu*, and *www.provost.duke.edu/faculty/* for information about the departments and advantages that Duke offers to faculty. Applicants should submit their materials (cover letter, research statement, teaching statement, contacts for at least three references) electronically through AcademicJobsOnline *https://academicjobsonline.org/ajo/jobs/9908*.

For full consideration, applications and references should be received by December 15, 2017.

DUQUESNE UNIVERSITY

ASSISTANT PROFESSOR OF COMPUTER SCIENCE

The Department of Mathematics and Computer Science in the McAnulty College and Graduate School of Liberal Arts at Duquesne University invites applications for a tenure-track position in computer science with demonstrated expertise in systems, beginning in fall 2018 at the rank of assistant professor.

REQUIREMENTS OF WORK:
The candidate should have a Ph.D. by the time of appointment, and will join five tenured computer science faculty and 16 other full-time faculty in the department. While the department offers a multidisciplinary Master's program in computational mathematics as well as undergraduate majors in mathematics and computer science, the candidate will be expected to make immediate contributions to a new Master's program in computer science. The department strives to accommodate each faculty member's teaching preferences, including the creation of new courses. Tenure-track faculty members are expected to perform well both in the classroom and as researchers. The maximum expected teaching load is three courses per semester, with a pre-tenure sabbatical and other potential reductions available to support research.

APPLICATION INSTRUCTIONS:
Catholic in its mission and ecumenical in spirit, Duquesne University values equality of opportunity as an educational institution and as an employer. We aspire to attract and sustain a diverse faculty that reflects contemporary society, serves our academic goals and enriches our campus community. We particularly encourage applications from members of underrepresented groups and support dual-career couples through our charter membership in this region's ***HERC*** (**http://www.hercjobs.org/oh-western-pa-wv/**).

We invite applicants for this position to learn more about our university and its Spiritan heritage by visiting **http://www.duq.edu/about/mission-and-identity/mission-statement**. Those invited to campus for an interview may be asked about ways in which they see their talents contributing to the continued growth of our community and furthering its mission.

Duquesne University uses Interfolio to collect all faculty and staff job applications electronically. Full consideration will be given to applications received by December 1, 2017 that include a cover letter addressing how the applicant's career goals align with the integration of teaching and research at Duquesne to **apply.interfolio.com/43686**.

Duquesne University was founded in 1878 by its sponsoring religious community, the Congregation of the Holy Spirit. Duquesne University is Catholic in mission and ecumenical in spirit. Motivated by its Catholic identity, Duquesne values equality of opportunity both as an educational institution and as an employer.

Duke University is an Affirmative Action/Equal Opportunity Employer committed to providing employment opportunity without regard to an individual's age, color, disability, genetic information, gender, gender identity, national origin, race, religion, sexual orientation or veteran status.

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

Eastern Michigan University

Assistant Professor of Computer Science

Eastern Michigan University's Department of Computer Science seeks applicants for tenure-track assistant professor positions to begin Fall 2018. The successful applicant must have the ability to teach a variety of Computer Science courses at the undergraduate and graduate levels. We are particularly interested in candidates specializing in software engineering, data science, cybersecurity, embedded systems, or game design, but all areas will be considered.

Candidates should have completed a PhD in Computer Science or a related field by the time of their appointment. A strong aptitude and desire for teaching and a commitment to conduct scholarly research are preferred.

All applications must be made online at *http://agencv.governmentjobs.com/emichedu/default.cfm*. Application materials must include a letter of application, a curriculum vitae (including a list of publications, if any), a brief description of your plans for research, a brief statement of your teaching philosophy, and the names, addresses, phone numbers, and email addresses of three references familiar with your qualifications.

EMU is an equal opportunity/affirmative action employer.

Possible deadlines: We will start evaluations on November 1, 2017, but subsequent applications are welcome.

Emory University

Tenure Track Faculty Position in Computational Mathematics

Emory University's Mathematics & Computer Science Department invites applications for a tenure-track faculty position in Computational Mathematics, to begin in Fall 2018. Appointments are expected to be at the Assistant Professor level, but truly exceptional candidates may be considered for senior appointments.

Applicants must demonstrate outstanding research ability and have a PhD in Mathematics, Computer Science, or a closely related field. Applicants should also have strong records, or promise, as undergraduate and graduate teachers. Ideal candidates will have interdisciplinary interests that complement and enhance Emory's current and vibrant research strengths in numerical linear algebra, networks, inverse problems, numerical optimization, numerical partial differential equations, and computational fluid dynamics. For more details on Emory's faculty, graduate students, postdocs, research and teaching activities in Computational Mathematics, see *http://www.mathcs.emory.edu/Research/Area/ScientificComputing/*.

Applications consisting of a cover letter, CV, research and teaching statements, and three letters of recommendation directly from recommenders can be submitted via *https://apply.interfolio.com/45261*. Informal inquiries about the position are also invited by email to *compmathsearch2017@mathcs.emory.edu*. Screening starts December 1, 2017, and will continue until the position is filled. For additional information about the department, please see *http://www.mathcs.emory.edu*.

Emory University is an Equal Opportunity/Affirmative Action/Disability/Veteran employer. Women, minorities, persons with disabilities, and veterans are encouraged to apply. Emory University is committed to student and faculty diversity, equity, and inclusion. In your cover letter or in a separate statement, please reflect upon your experience and vision regarding the teaching and mentorship of students from diverse backgrounds.

Emory University

Postdoctoral Research Fellows

Emory University seeks to fill multiple postdoctoral positions in Computer Science, Scientific Computing, and Data Science. We seek junior researchers and scholars to join vibrant research groups of faculty and students conducting pioneering scholarship in various areas.

Applications for Postdoctoral Research positions are invited from candidates with outstanding research records (or promise) in appropriate fields. Applicants should have (or soon receive) a PhD in Computer Science, Mathematics, Applied Math, Statistics, or a related discipline relevant to projects or areas listed below. Opportunities for teaching may be available, but these are primarily research positions. Specific priority areas for current searches are:

- Scientific Computing: Numerical linear algebra, partial differential equations, optimization, inverse problems, and applications to radiology, cardiology, geophysics and data science.
- Data Security and Privacy: Methods for privacy-preserving computation and analytics in health and spatiotemporal domains. Strong math, computer science, and statistics skills desired.
- NLP and Intelligent Information Access: Computational approaches to language parsing, understanding and generation; conversational search, intelligent assistants, question answering.
- Data Analytics: Mining heterogeneous data sources and high-dimensional analytics for health, spatiotemporal, and financial econometrics. Strong computer science/statistics skills desired.
- Computational Neuroscience: Frameworks for biologically plausible network simulation to explore the role of feedback in neural fault tolerance and network structure.
- Machine Learning: Architectures and efficient learning algorithms for deep neural networks, scalable algorithms. Strong math, computer science, and statistics skills desired.
- Storage and Networked Caches: Multilevel storage tracing, very large scale networked caching, modeling, simulation, and implementation. Systems skills required; analytic skills desired.

ETH zürich

Assistant Professors (Tenure Track) of 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 within computer science. For each area, several possible examples (not exhaustive) of expertise are provided.

- **Programming Languages and Software Engineering** (language design and implementation, testing and debugging, compilers and language runtimes, programming models, dynamic languages)
- **Human Computer Interaction** (computational interaction, interactive machine learning, user and preference modelling, intelligent interactive systems, wearable technologies and continuous sensing, human-centered health, personalized medicine, assistive technologies, AR/VR, haptics, human-robot interaction)
- **Data Science** (machine learning, language/media processing, data privacy, data centers architecture and management, programming and runtime platforms for data centers and cloud computing, data science for HPC simulations, medical applications, quantified self, population-scale genomic medicine, educational data science)
- All other areas in **Computer Science** (while there is a focus on the three areas above, ETH Zurich is broadly looking in all areas)

→ Please only apply for one of the above areas as all applications will be jointly reviewed.

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

→ Assistant professorships have been established to promote the careers of younger scientists. ETH Zurich implements a tenure track system equivalent to other top international universities. For candidates with extraordinary accomplishments, applications for a tenured professorship will also be considered.

→ **Please apply online: www.facultyaffairs.ethz.ch**

→ Applications include a curriculum vitae, a list of publications with the three most important ones marked, a statement of future research and teaching interests, the names of three references, and a description of the three most important achievements. 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 2017**. ETH Zurich is an equal opportunity and family friendly employer and is responsive to the needs of dual career couples. We specifically encourage women to apply.

- Distributed Systems: Fault-tolerance, program analysis, adaptive runtime systems, and energy efficient computing. Strong systems programming and quantitative analysis skills desired.

Applications specifying one or more of the above areas and comprising a CV and research statement should be sent via email to *postdoc@mathcs.emory.edu*. Informal inquiries are also invited by email. Screening starts immediately and will continue until positions are filled. A list of faculty, research groups, and ongoing projects are at *http://www.mathcs.emory.edu/*

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

Emory University

Full-Time Faculty Position As Lecturer

Emory University's Mathematics & Computer Science Department invites applications for a full- time faculty position as Lecturer in Computer Science, to begin in Fall 2018. Appointments are for a period of three years with the possibilities of renewals and promotions within the lecture track, which includes Senior Lecturer and Professor of Pedagogy, Practice and Performance; for additional details, see the Emory College of Arts and Sciences Guidelines for Review of Lecture-Track Faculty: *http://college.emory.edu/faculty/faculty/review-and-promotion.html*

Applicants must have a PhD in Computer Science or a related discipline and will be expected to provide outstanding teaching, advising, and service related to the undergraduate programs. All areas of specialization will be considered. Responsibilities include 1) teaching five courses per year; 2) advising undergraduate students; 3) supervising and training graduate student instructors; and 4) supporting the education mission of the college through department and college committees and programs participation.

Applications consisting of a cover letter, CV, statement of teaching philosophy and career goals, evidence of teaching excellence, and a minimum of three letters of recommendation (at least one of which addresses your teaching) can be submitted via *https://apply.interfolio.com/45171*. Informal inquiries are invited by email to *cslect2017@mathcs.emory.edu*. Screening starts December 1, 2017, and will continue until the position is filled. For additional information about the department, please see: *http://www.mathcs.emory.edu*.

Florida Institute of Technology
ECE Department Faculty Position Opening

The Department of Electrical and Computer Engineering at the Florida Institute of Technology in Melbourne, Florida, invites applications for a full-time faculty position in the area of Computer Engineering with primary emphasis on one or more aspects of the Internet of Things (IoT). Candidates working in areas such as computer architecture, reconfigurable embedded systems, programmable logic, or hardware/software co-design will also receive full consideration. The minimum qualification is a Ph.D. degree in Computer Engineering, Electrical Engineering, Computer Science or a closely related field. The successful candidate will be expected to perform undergraduate and graduate teaching; be active in research and seek research funding; and advise undergraduate and graduate students. Research experience in areas such as FPGA custom computing, reconfigurable multi-core system-on-chips, high-performance architectures, or energy-efficient architectures with applications in IoT systems is preferred. Candidates should have outstanding scholarly records of presentations at major conferences and publications in leading scientific peer-reviewed journals, as well as strong oral and written communication skills. The successful candidate will also be expected to collaborate with faculty in the School of Computing and other academic units within the College of Engineering and Computing.

The anticipated start date is January 2018. The position is intended primarily at the Assistant Professor level; however, an exceptional candidate with an established scholarly record may be considered for a higher-level appointment.

Please send (1) a cover letter, (2) a full curriculum vitae, and (3) contact information for at least three references to eceapplicants@fit.edu. The position is open until filled. Initial review of dossiers will begin October 30, 2017. Florida Institute of Technology (www.fit.edu) is an Equal Opportunity Employer committed to excellence through diversity.

Emory University is an Equal Opportunity/Affirmative Action/Disability/Veteran employer. Women, minorities, persons with disabilities, and veterans are encouraged to apply. Emory University is committed to student and faculty diversity, equity, and inclusion. In your cover letter or in a separate statement, please reflect upon your experience and vision regarding the teaching and mentorship of students from diverse backgrounds.

Emory University is a top-ranked private institution recognized internationally for its outstanding colleges, graduate and professional schools, and one of the world's leading health care systems. Emory scholars and experts generate more that $574 million dollars in research funding annually while also highly valuing excellence in teaching. Emory's beautiful campus is a part of the energetic Atlanta metropolitan area, which is home to more than five million people and has a diversity of cultural, social, entertainment, shopping and recreational options. Atlanta, often referred to as "the City in a Forest", has mild winters, long and beautiful spring and fall seasons, and is home to the world's busiest international airport, providing ready access to global travel.

The Evergreen State College

Computer Science 2018-19 Regular Faculty

Description:
The Evergreen State College seeks a broadly trained regular* faculty member in Computer Science eager to develop innovative curriculum at an experimental liberal arts college. We are particularly interested in candidates who are enthusiastic to explore the unique possibilities that computer science and computational approaches offer toward problem solving and critical thinking in an interdisciplinary, team-taught curriculum. The position includes expectations to develop and deliver curriculum in collaboration with other computer scientists, as well as with colleagues in the arts, humanities, social sciences, and physical sciences. We strongly encourage applicants who have had experience teaching and/or working with students from underserved populations and whose teaching and/or research addresses connections between computer science and social justice.

**Regular is equivalent to tenure-track at other colleges*

*A complete description of the continuing contract and conversion process can be found in the **Collective Bargaining Agreement, article 11**.*

*To view the full posting and apply, please follow this link: **http://evergreen.peopleadmin.com/postings/1629***

Florida International University

Florida International University is classified by Carnegie as a "R1: Doctoral Universities - Highest Research Activity" and recognized as a Carnegie Community Engaged university. It is a public research university with colleges and schools that offers bachelor's, master's and doctoral programs in fields such as business, engineering, computer science, international relations, architecture, law and medicine. As one of South Florida's anchor institutions, FIU contributes almost $9 billion each year to the local economy and is ranked second in Florida in Forbes Magazine's "America's Best Employers" list. FIU graduates are consistently among the highest paid college graduates in Florida and are among the leaders of public and private organizations throughout South Florida. FIU is Worlds Ahead in finding solutions to the most challenging problems of our time. FIU emphasizes research as a major component of its mission with multiple state-of-the-art research facilities including the Wall of Wind Research and Testing Facility, FIU's Medina Aquarius Program and the Advanced Materials Engineering Research Institute. FIU has awarded more than 220,000 degrees and enrolls more than 54,000 students in two campuses and centers including FIU Downtown on Brickell, FIU@I-75, the Miami Beach Urban Studios, and Tianjin, China. FIU also supports artistic and cultural engagement through it three museums: Patricia & Phillip Frost Art Museum, the Wolfsonian-FIU, and the Jewish Museum of Florida-FIU. FIU is a member of Conference USA and more than 400 student-athletes participating in 18 sports. For more information about FIU, visit ***http://www.fiu.edu/***.

Open-Rank Tenure Track/Tenured Positions (Job ID# 514055)

FIU's School of Computing and Information Sciences (SCIS) is a rapidly growing program of excellence at Florida International University (FIU). The School has 29 tenure-track faculty members and over 2,000 students, including over 90 Ph.D. students. The School is engaged in on-going and exciting new and expanding programs for research, education and outreach. The School offers B.S., M.S., and Ph.D. degrees in Computer Science, and M.S. degrees in Telecommunications and Networking, Cyber-security, and Information Technology as well as B.S./B.A. degrees in Information Technology. NSF ranks FIU 39th nationwide in externally-funded research expenditures. SCIS has six research centers/clusters with first-class computing and support infrastructure, and enjoys broad and dynamic industry and international partnerships.

The School of Computing and Information Sciences invites applications from exceptionally qualified faculty at all levels with particular emphasis on cyber-security, computer systems or data sciences. Ideal candidates for junior positions should have a record of exceptional research in their early careers and a demonstrated ability to pursue and lead a research program. Candidates for senior positions must have an active and sustainable record of excellence in funded research, publications and professional service as well as demonstrated leadership in collaborative or interdisciplinary research. 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.

Applications are encouraged from candidates with highly transformative research programs and seminal ideas that extend the frontiers of computing and networking across other disciplines. A Ph.D. in Computer Science or related disciplines is required.

Non-Tenure Track Instructor Positions (Job ID# 514058)

The School of Computing and Information Sciences seeks exceptionally qualified candidates for multiple non-tenure track faculty positions at the level of Instructor. Ideal candidates must be committed to excellence in teaching a variety of courses at the undergraduate level. Candidates who employ innovative, evidence-based teaching pedagogies are particularly encouraged to apply. A graduate degree in Computer Science or related disciplines is required; significant prior teaching and industry experience or a Ph.D. in Computer Science is preferred.

HOW TO APPLY:

Qualified candidates for Open-Rank Tenure-Track/Tenured faculty positions are encouraged to apply to **(Job Opening ID# 514055)**. Qualified candidates for Non-Tenure Track Instructor positions are encouraged to apply to **(Job Opening ID# 514058)**. Visit *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*. Review will continue until position is filled. All applications received by November 30, 2017 are guaranteed consideration.

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.

Florida State University

Tenure-Track Assistant Professor Positions
Department of Computer Science

The Department of Computer Science at the Florida State University invites applications for two tenure-track Assistant Professor positions to begin August 2018. The positions are 9-month, full-time, tenure-track, and benefits eligible. We are seeking outstanding applicants with strengths in the broad areas of Data Sciences or Trustworthy Computing. While strong candidates in all related areas will be considered, the focused areas in Data Sciences are Computer Graphics, Visualization, Machine Learning, and Data Analytics; and the

focused areas in Trustworthy Computing include Formal Methods and Verification, Embedded and Cyber-Physical Systems, Digital Forensics, Compilers, and Computer Architecture. Applicants should hold a PhD in Computer Science or closely related field at the time of appointment, and have excellent research and teaching accomplishments or potential. The department offers degrees at the BS, MS, and PhD levels. The department is an NSA Center of Academic Excellence in Information Assurance Education (CAE/IAE) and Research (CAE-R).

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

Screening will begin December 1, 2017 and will continue until the positions are filled. Please apply online with curriculum vitae, statements of teaching and research philosophy, and the names of three references, at: *http://www.cs.fsu.edu/positions/apply.html*

Questions can be e-mailed to Prof. Xiuwen Liu, Faculty Search Committee Chair, *recruitment@cs.fsu.edu*.

Equal Employment Opportunity
An Equal Opportunity/Access/Affirmative Action/Pro Disabled & Veteran Employer committed to enhancing the diversity of its faculty and students. Individuals from traditionally underrepresented groups are encouraged to apply.

FSU's Equal Opportunity Statement can be viewed at: *http://www.hr.fsu.edu/PDF/Publications/diversity/EEO_Statement.pdf*

ISB

Indian School of Business
Positions in Information Systems Area- Academic Year 2017-2018

The Indian School of Business (ISB), is a not for profit, independent, research-driven, global business school with two campuses located in Hyderabad and Mohali, India. A collaborative effort of eminent business leaders, entrepreneurs, and academicians from around the world laid the foundation for the School.

In the year 2001, the School launched its first one year Post Graduate Programme in Management (PGP), equivalent to the 2 year MBA Courses offered by premier Business Schools in India. This year, the 17th Batch has commenced from April 2017. The Indian School of Business is one of the youngest schools to have consistently been ranked among the top business schools globally by the Financial Times Global MBA rankings since 2008.

The Indian School of Business has a unique portfolio faculty model which accommodates a mix of accomplished resident faculty who have graduated from the best universities, primarily in the USA, Europe, Singapore and India, and have published in leading academic journals in their respective fields, and visiting faculty from our associate schools, namely the Wharton School, the Kellogg School of Management, the London Business School, MIT Sloan School of Management, and The Fletcher School as well as other leading business schools. The Senior faculty members from our associate schools are designated as Area Leaders. They play a key role in the academic programmes and research at ISB. In consultation with the resident faculty, they actively engage in formulating the curriculum, attracting the best faculty to the School, mentoring junior faculty, and providing direction to research in the relevant subject areas. The School also provides a vibrant research environment that attracts, supports and benefits from the Visiting scholars it hosts every year.

The Indian School of Business invites applications for full time clinical and tenure-track faculty positions in the area of Information Systems at all levels – ***Assistant (tenure track and clinical), Associate (tenure-track or tenured and clinical), and Full Professor (tenured and clinical) for appointments in the 2018-2019 academic year which begins in April, 2018***. Applicants must have a PhD from a reputed institution, have excellent research and teaching skills, demonstrate ability to produce scholarly work at the highest level, as well as show the capability of becoming outstanding teachers. Applicants for senior appointments should have published extensively in top-tier refereed journals and have a proven track record of successfully mentoring junior faculty. As an institution aspiring to be counted among the top 10 in the world, ISB offers a unique opportunity for its senior faculty members to exert considerable influence over the culture and ethos of the School.

The Indian School of Business has a tenure system similar to the top schools in United States and is an equal opportunity employer. The compensation and the teaching loads are competitive. The research support includes excellent infrastructure, research funding and research assistance which compare favorably with those at the best business schools in United States and Europe.

Ideally the candidates should plan to join by April 2018 (negotiable).

Interested candidates are requested to send their CV, sample publications and working papers as well as arrange for three reference letters, in electronic form only, to:

Email: is_recruiting@isb.edu with a copy to Professor Deepa Mani - deepa_mani@isb.edu

Faculty members from the ISB will be available for initial meetings at the Annual INFORMS Meeting in Houston, October 22-25, 2017 as well as during ICIS in Seoul, South Korea, December 10-13, 2017. To be considered for meetings in INFORMS, candidates are strongly encouraged to submit their material by October 20, whereas for meetings in ICIS, the material may be submitted by December 8.

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 primary interest include Computing Education, Learning Sciences and Technology, Natural Language Processing, and Social Computing. We will also consider truly outstanding candidates in other areas that support the school's mission and expand it in strategic directions. Suitable candidates must have an established international reputation and have demonstrated exceptional impact, productivity, and leadership.

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 and must include a cover letter, research statement, teaching statement, curriculum vitae, the contact information of at least three references, and 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) and focus in their cover letters.

Preference will be given to applications submitted before December 1, 2017, but we will continue accepting applications until the positions are filled. 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.

Please apply at the link provided: *https://academicjobsonline.org/ajo/jobs/9635*

INDIANA UNIVERSITY
SCHOOL OF INFORMATICS, COMPUTING, AND ENGINEERING

Faculty Positions in Intelligent Systems Engineering

The School of Informatics, Computing, and Engineering (SICE) at Indiana University (IU) Bloomington invites applications for multiple open rank tenured/tenure track faculty positions to begin in Fall 2018 in **Intelligent Systems Engineering (ISE)**. Duties include research, teaching, and service.

ISE is an innovative new program, currently with 19 faculty, that focuses on the intersection of sophisticated computing methods and information technology with critical engineering problems. Current foci include bioengineering, computer engineering, robotics and cyberphysical systems, molecular and nanoscale engineering, environmental engineering, neuro-engineering, and intelligent systems. ISE reflects a top priority for Indiana University, with an expected $120 million investment and search under way for an Associate Dean for Engineering. We are particularly interested in hiring faculty whose research develops and applies advanced computational approaches, especially **intelligent systems, applied machine learning and artificial intelligence, cloud computing, cyberphysical systems, computer engineering, and systems security engineering** to address important problems in any of these areas**.**

The department offers BS and Ph.D. degrees which started in fall 2016, and an MS degree has just been approved. The engineering program draws upon IU Bloomington's considerable education and research strengths such as biology, business, chemistry, computer science, environmental science, informatics, law, medicine, music, physics, network science, optometry, psychological and brain sciences, speech and hearing sciences, and statistics. New faculty will have considerable opportunity and responsibility to shape the development of curricula and research. There is a strong emphasis on world-class research, built around focused laboratories and proactively involving undergraduates. More information can be found at https://www.engineering.indiana.edu

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 related field expected before August 2018.

Interested candidates should review the application requirements and submit their application at: https://indiana.peopleadmin.com/postings/4613

For full consideration, applications are due by January 1, 2018, but applications will be considered until the positions are filled.

Questions may be sent to isechair@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.

Professional Opportunities

Hartwick College

Assistant Professor - Big Data/ Cybersecurity

Big Data/Cyber Security: The Department of Computer Science at Hartwick College invites applications for a full-time, tenure-track appointment at the rank of Assistant Professor starting in August 2017.

For detailed information about this position and how to apply, please visit our website, *http://www.hartwick.edu/about-us/employment/human-resources/employment-opportunities/faculty-positions*

Harvard School of Engineering and Applied Sciences

Tenure-track faculty position in Biomechanics and Neuromotor Control

The Harvard John A. Paulson School of Engineering and Applied Sciences seeks applicants for a position at the tenure-track level in biomechanics and motor control, with an expected start date of July 1, 2018.

We are seeking candidates working in human biomechanics and motor control. Example areas include, but are not limited to, upper and lower extremity control, motor learning, sensorimotor control, neural engineering, and computational modeling. In addition to developing a research program, the successful candidate will contribute to teaching and curriculum development at both the undergraduate and graduate levels.

The Harvard School of Engineering and Applied Sciences provides a highly interdisciplinary and collaborative environment, with the opportunity to work with students and colleagues from diverse fields, including strong connections to the medical school and to biological and physical science departments. In addition, the candidate will have access to state of the art laboratory facilities for biomechanics and physiological experiments. We particularly encourage applications from historically underrepresented groups, including women and minorities.

INDIANA UNIVERSITY
SCHOOL OF INFORMATICS, COMPUTING, AND ENGINEERING

Faculty Positions in Precision Health and Computing

The School of Informatics, Computing, and Engineering (SICE) at Indiana University (IU) Bloomington invites applications for multiple tenure-track assistant professor positions beginning in Fall 2018, as part of the IU Precision Health Initiative. Duties include research, teaching, and service. Future colleagues will be part of an interdisciplinary research team investigating the biological, environmental, and physical attributes that impact disease. IU has invested $120 million to transform medicine and the delivery of health interventions in Indiana.

Applications are sought in four areas:
• Environmental sensing for health: candidates with experience with personal health sensing - mobile, on-body, or ambient - with emphasis on generating, analyzing, and/or visualizing human generated data
• Agent-oriented machine learning and artificial intelligence with emphasis on probabilistic inference from complex and heterogeneous biomedical and health data
• High-performance computing architectures and systems and Big Data analytics for bioengineering and health/medical science
• Computational systems biology, at a single-cell or multi-cell level, with emphasis on statistical and computational aspects as well as emerging subfields of potential significance in health applications

Applicants should have a demonstrable potential for excellence in research and teaching and a PhD in a related field, expected before August 2018. SICE seeks candidates prepared to contribute to our commitment to diversity and inclusion in higher education. The strongest candidates can demonstrate their experience in teaching or working with diverse student populations.

SICE is the first school of its kind and among the largest in the country, with unsurpassed breadth. Its mission is to excel and lead in research, education, and outreach spanning and integrating the breadth of computing, IT and modern engineering. It includes over 110 tenure-line faculty, 1200 graduate students, and 1900 undergraduate majors at IU-Bloomington. It offers PhDs in Computer Science, Informatics, Information Science, and Intelligent Systems Engineering. Bloomington is a culturally thriving college town with a moderate cost of living and the amenities for an active lifestyle.

Candidates should review application requirements and apply online at:
https://indiana.peopleadmin.com/postings/4686

For full consideration, applications are due by Dec 1, 2017, but will be considered until positions are filled. Questions may be sent to sicehire+phi-2017@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.

A doctorate or terminal degree in a related field is required by the expected start date.

Applications should include a cover letter, CV, a statement of research interests, a teaching statement, 3-5 letters of recommendation, and up to three representative papers. We encourage candidates to apply by December 1, 2017, but will continue to review applications until the position is filled. Applicants will apply on-line at *http://academicpositions.harvard.edu/postings/7882*

We are an equal opportunity 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.

Harvey Mudd College

Assistant Professor Positions in Computer Science

The Computer Science Department at Harvey Mudd College (HMC) has two tenure-track openings for assistant professors commencing July 1, 2018. Candidates in all areas of computer science will be considered.

HMC is a highly selective undergraduate liberal arts college (850 students) emphasizing science, mathematics, and engineering. HMC is part of the Claremont Colleges, a consortium that includes five colleges and two graduate schools.

The Computer Science Department currently has fourteen tenure-track faculty members and serves three major programs (the computer science major, the joint major in computer science and mathematics, and the joint major in mathematical and computational biology) totaling more than eighty students in each graduating class. The department and the college place a high value on engaging students from traditionally underrepresented groups, and candidates from these groups are especially encouraged to apply.

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

The department is accepting applications via the AcademicJobsOnline system at *https://academicjobsonline.org/ajo/jobs/9628*. Candidates should submit: (1) a cover letter describing their interests in teaching undergraduates at Harvey Mudd College in particular and in promoting inclusion and diversity in computer science, (2) a curriculum vita, (3) a statement regarding teaching philosophy and experience, including evidence of commitment to promoting inclusion and diversity as well as teaching evaluations or other evidence of teaching effectiveness, and (4) a statement of research interests and how undergraduates could participate in this work. Concurrently, please request three references to submit letters (the letter writers indicated in the application will automatically receive a request to upload their letters). It is desirable that at least one letter address the candidate's potential as a teacher. All application materials, including letters of reference, should be received by December 1, 2017 to receive maximum consideration.

Questions about the position can be addressed to the search committee chair, Professor Robert Keller, at *cssearch@cs.hmc.edu.*

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

Haverford College

Postdoctoral Fellows in Computer Science

Haverford College seeks to hire a full-time, exempt, fully benefits eligible Postdoctoral Fellow in support of the College's pending DARPA contract, "Discovery reactions and uncovering mechanisms of perovskite formation." This position is for an initial one-year term, with the potential for up to four years pending successful

performance and continuation of funding. Fulfillment of this position is contingent on funding approval.

Please visit *https://www.haverford.edu/human-resources/news/postdoctoral-fellow-cheminformatics-0* for detailed information about the position, and for instructions on how to apply.

Hobart and William Smith Colleges

Tenure-Track Position in Computer Science

The Department of Mathematics and Computer Science at Hobart and William Smith Colleges invites applications for a tenure-track position in computer science to begin July 1, 2018. Candidates with a teaching or research interest in robotics, operating systems, networks, and/or computer architecture or who could collaborate with one of the department's research groups are particularly encouraged to apply, but all areas will be considered.

Experience with and/or interest in working in a multicultural environment and encouraging excellence in computer science from students with diverse backgrounds and experiences are highly desirable. Evidence of ongoing research potential and a strong commitment to undergraduate teaching at all levels are essential. Participation in the Colleges' general curriculum and mentoring of students in research are strongly encouraged. The department currently has an active undergraduate research group in mathematical biology which would value collaboration with an expert in bioinformatics.

Applicants must have a Ph.D. in computer science or an equivalent field, or expect to defend their dissertation by August 2018.

A full position announcement with application instructions is available at *https://academicjobsonline.org/ajo/jobs/9935*. Applications received by December 1 will receive full consideration. Contact: *bridgeman@hws.edu*.

The Hong Kong University of Science and Technology

Faculty Positions
Department of Computer Science and Engineering

Job ID: 3600

Job Posting Details
The Department of Computer Science and Engineering of HKUST (*http://www.cse.ust.hk/*) will have substantiation-track faculty openings at all levels of Professor, Associate Professor and Assistant Professor for the 2018-2019 academic year. We are looking for outstanding candidates with demonstrated research expertise and experience in one or more of the following areas:

- Cybersecurity
- Human-Computer Interaction (HCI)
- Game Theory and Economic Computing
- Medical Imaging
- Deep learning and AI

Strong candidates in other core computer science and engineering research areas will also be considered.

Applicants should have an earned PhD degree and demonstrated potential in teaching and research.

The department has about 40 faculty members, recruited from major universities and research institutions around the world, and about 800 students (including about 200 postgraduate students). The medium of instruction is English. We were ranked 19th among all computer science and engineering departments worldwide according to the QS World University Ranking in 2017. The University is committed to increasing the diversity of its faculty, and has a range of family-friendly policies in place.

The department has the following concentrated research areas: Artificial Intelligence, Big Data, Cybersecurity, Data and Knowledge Management, Human-Computer Interaction, Networks and Data Center, Vision and Graphics, Software Systems, and Theoretical Computer Science.

Salary is highly competitive and will be commensurate with qualifications and experience. Fringe benefits include medical/dental benefits and annual leave. Housing will also be provided where applicable. For appointment at Assistant

Professor level, initial appointment will normally be on a three-year contract. A gratuity will be payable upon completion of contract.

Application Procedure
Applications including a cover letter, a curriculum vitae (including the names and contact information of at least three referees), a research statement and a teaching statement (all in PDF format) should be sent through e-mail to *csrecruit@cse.ust.hk*. Priority will be given to applications received by **Friday, 15 December 2017**. Applicants will be promptly acknowledged through e-mail upon receiving the electronic application material.

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

Idaho State University

Assistant/Associate Professor of Computer Science

Be part of a great team! Idaho State University's College of Science and Engineering seeks an Assistant/Associate Professor of Computer Science.

For complete job description, requirements, and application instructions visit *jobs.isu.edu*

EOE/AA

INSEAD

Faculty Position

The *Decision Sciences (DSC) Area* at *INSEAD*, a global business school with campuses in France (near Paris), Singapore and Abu Dhabi invites outstanding applicants for a tenure-track or tenured faculty position at the rank of Assistant or Associate Professor at any of its campuses. The anticipated start date is September 1, 2018.

The DSC Area focuses on a wide array of practically relevant issues broadly related to individual, group, and organizational decision making, both from quantitative and behavioral perspectives. Our research ranges from the area of *decision sciences, to machine learning and computer science, psychology, economics, operations research, neuroscience, finance, organizational behavior, marketing, social innovation, entrepreneurship*, etc. We have a collegial environment that encourages interdisciplinary as well as industry-relevant impactful research.

We are interested in candidates that can further enrich and consolidate the diverse research portfolio of the group and the school. While priority is always given to quality over topic, we will consider both "quantitative" and "behavioral" candidates, with strong training, who work on topics ranging (among others) from decision making, to artificial intelligence and machine learning, computational neuroscience/psychology, to business or finance research, with interest in people, organizations, business, economics, finance, or social impact, among others. Ability to conduct rigorous research is essential and interest in practical problems is highly desirable.

Candidates should hold a PhD or be at the dissertation completion stage of a doctoral program, have demonstrated solid skills in their respective areas, have strong studies/training, and have worked on top quality research projects in the past.

The position entails the following responsibilities: research in areas of expertise and interests; supervision of doctoral candidates; teaching in INSEAD programs; and service to the school and the broader community.

Applications should include a cover letter, a CV, research and possible teaching statements, copies of representative research papers, teaching evaluations if available, and three letters of recommendation.

The deadline for applications is **December 15, 2017.** Applicants will be considered only exceptionally after that date.

Full applications are to be sent electronically as PDFs to:

insead.DSC-area@insead.edu
Decision Sciences Area
Recruitment Committee
Boulevard de Constance
77305 Fontainebleau Cedex
France

Professional Opportunities

IUPUI

Assistant Professor

The Department of Computer and Information Science at IUPUI invites applications for a tenure track faculty position at the Assistant Professor level in the area of Computer Science Education Research. The position will begin in August 2018. An applicant must hold a Ph.D. in Computer Science, and is expected to develop a high-quality externally funded CS Education research program and be committed to excellence in teaching undergraduate and graduate students.

The application should be submitted via email (as PDF files) to the Faculty Search Committee (*wittlief@iupui.edu*), and must consist of a letter of interest, curriculum vitae, and a statement of research direction and teaching interests. Applicants should also arrange for three letters of recommendation sent directly to the Faculty Search Committee via email. Evaluation of applications will begin on December 1, 2017 and will continue until the positions are filled.

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

Kennesaw State University

Assistant Professor or Associate Professor or Professor of Software Engineering Department of Software Engineering and Game Development

Position Responsibilities:
This is a nine-month, tenure-track position. Candidates' research interest and expertise must be in software engineering. Candidates working in one or more of the following fields is ideal: software architecture, component based software engineering, software processes, human factors in software engineering, or software metrics. All candidates should be committed to excellence in teaching and have demonstrated potential in research.

Successful candidates will be expected to teach in software engineering at both the graduate and undergraduate levels, to establish an externally funded research program, and to be involved in service activities.

Required Education, Qualifications, and Experience:
Candidates must have earned a Ph.D. in software engineering, computer science, a related field, or its foreign equivalent. Candidates with the equivalent to the minimum degree in training, ability, and/or experience may be considered. Equivalency guidelines are provided in the KSU Faculty Handbook. All candidates should be committed to excellence in teaching and have demonstrated potential in research. Candidates' research interest and expertise must be in software engineering.

Apply Below:
https://goo.gl/3wncp6

Le Moyne College

Assistant Professor / Professor of Practice – Cybersecurity

Le Moyne College is starting a new interdisciplinary cybersecurity program and is seeking a candidate with a Ph.D. or significant industry experience in cybersecurity or cognate field. This position starts in August, 2018. Le Moyne College strives for academic excellence through its comprehensive programs rooted in the liberal arts and sciences.

For more information and how to apply visit our website at *www.lemoyne.edu/employment.*

Preference given to applications received by Dec. 8, 2017. Review will continue until position is filled.

Le Moyne College is an equal opportunity employer and encourages women, persons of color, and Jesuits to apply for employment.

Lehigh University

Robotics & Control Faculty Search

The P.C. Rossin College of Engineering & Applied Science (RCEAS) at Lehigh University invites nominations and applications from qualified individuals for the senior/junior tenure-track positions in the area of robotics & control.

Lehigh University is investing more than $250M over the next few years on new innovative research and academic programs to enhance its intellectual footprint. The P.C. Rossin College of Engineering has a strong and diverse team of faculty members researching in the core disciplines of

robotics, controls, and intelligent systems. This faculty search aims at expanding our core team to accelerate growth of interdisciplinary research in the area of robotics and controls.

We invite applications from outstanding faculty candidates at both junior and senior levels for multiple tenure-track positions in all aspects of robotics and controls, including (but not limited to):

- Perception and learning in robotics
- Field & industrial robotics
- Control and planning of autonomous systems
- Micro-, nano-scale robotics
- Haptics, human-robot interaction, social robotics
- Biologically inspired and soft robotics

Candidates should have a Ph.D. in Computer Science, Mechanical Engineering, Electrical Engineering, Chemical Engineering or a related field and a distinguished record of research scholarship, and qualify for the rank of assistant, associate, or full professor. Candidates must also exhibit a commitment to excellence in teaching and mentoring, including working with students and groups from underrepresented backgrounds. RCEAS is committed to increasing the diversity of the campus community.

Candidates who have experience working with a diverse range of faculty, staff, and students, and who can contribute to the climate of inclusivity are encouraged to identify their experience in these areas. Lehigh University is an affirmative action/equal opportunity employer and provides competitive salaries and comprehensive benefits, including partner benefits. Candidate reviews will begin on Nov 15th, 2017 and continue until the positions are filled.

For full consideration, applicant materials must be received on-line at *https://academicjobsonline.org/ajo/jobs/9860.* Inquiries can be directed to Professors Mooi Choo Chuah and Nader Motee, Co-Chairs of the Search Committee at (*robotic-search@lehigh.edu*).

Lehigh University

Tenure-track positions in Multiple Areas

The P.C. Rossin College of Engineering & Applied Science (RCEAS) at Lehigh University invites nominations and applications from qualified individuals for tenure-track faculty positions. Successful candidates may have appointment in any of the departments within the college: (i) Bioengineering, (ii) Chemical and Biomolecular Engineering, (iii) Civil and Environmental Engineering, (iv) Computer Science and Engineering, (v) Electrical and Computer Engineering, (vi) Industrial and Systems Engineering, (vii) Materials Science and Engineering, and (viii) Mechanical Engineering and Mechanics. Joint appointments in multiple departments will also be considered.

Lehigh University is investing more than $250M over the next few years on new innovative research and academic programs to enhance its intellectual footprint. The investments, based on faculty-driven initiatives, will advance the university's mission and commitment to enhance student experiences. Investments will include upgrades to physical plants, research and teaching laboratories, and technical infrastructure.

Candidates should have a Ph.D. in relevant engineering disciplines and a distinguished record of research scholarship, and qualify for the rank of assistant, associate, or full professor. Ideal candidates will have research interests in the following three main areas: (i) robotics & control, (ii) data science & analytics, and (iii) cyber physical systems & internet of things. Candidates must also exhibit a commitment to excellence in teaching and mentoring, including working with students and groups from underrepresented backgrounds. RCEAS is committed to increasing the diversity of the campus community. Candidates who have experience working with a diverse range of faculty, staff, and students, and who can contribute to the climate of inclusivity are encouraged to identify their experience in these areas.

Ideal candidates for robotics & control will have research interests in perception & learning in robotics, emerging theory and applications in control systems, field & industrial robots, control and planning of

autonomous systems, micro- and nano-scale robotics, biologically inspired & soft robots, haptics, human-robot interaction and social robotics.

Ideal candidates for data science will have research interests in foundational or emerging aspects of data science and analytics (such as machine learning, data mining, optimization, deep learning, big data, visualization, data representation and management) and/or data science applications in one of our engineering disciplines.

Ideal candidates for cyber physical systems & internet of things will have research interests in the relevant areas that enhance and transform the adaptability, capability, connectivity, reliability, resiliency, safety, scalability, security, sustainability, and/or usability of engineered artifacts and systems that interact with the physical world.

The application deadlines and required documents for these searches can be found at (*https://academicjobsonline.org/ajo/Lehigh/Engineering%20Interdisciplinary%20Search*).

Any inquiries regarding the robotics & control search should be directed to Mooi Choo Chuah or Nader Motee, Co-Chairs of the Search Committee at (*robotics-search@lehigh.edu*).

Any inquiries regarding the data science search should be directed to Paolo Bocchini or Jeetain Mittal, Co-Chairs of the Search Committee at (*faculty-search-data@lehigh.edu*).

Any inquiries regarding the cyber physical systems & internet of things search should be directed to Liang Cheng or Zhiyuan Yan, Co-Chairs of the Search Committee at (*cps-iot-search@lehigh.edu*).

Lehigh is a premier residential research university, ranked in the top tier of national research universities each year. Lehigh University is a coeducational, nondenominational, private university that offers a distinctive academic environment for undergraduate and graduate students from across the globe. Located in Pennsylvania's scenic Lehigh Valley, the campus is situated on 1,600 acres in close proximity to both New York City and Philadelphia.

Lehigh University 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. Applications and nominations from female or minority candidates are strongly encouraged. Lehigh University is an affirmative action/equal opportunity employer. Lehigh provides competitive salaries and comprehensive benefits, including partner benefits. Lehigh University has developed an ADVANCE Center for Women STEM Faculty to continue the work of the 2010 NSF Institutional Transformation Award. Information about Work/Life Balance for faculty can be found at: *http://www.lehigh.edu/~inprv/faculty/worklifebalance.html*. LINC is a newly created regional network of diverse organizations designed to assist new hires with dual career, community and cultural transition needs. Please contact *infdcap@lehigh.edu* for more information.

Lehigh University

Professor of Practice

Applications are invited for a full-time, non-tenure track, Teaching Faculty position (Professor of Practice) in the Computer Science and Engineering Department of Lehigh University (*http://www.cse.lehigh.edu*), to start in August 2018.

The successful applicant should hold a graduate degree in Computer Science, Computer Engineering, or a closely related field. The candidate must demonstrate a strong commitment to quality and innovation in undergraduate education.

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

Applications can be submitted online at *https://academicjobsonline.org/ajo/jobs/9939*, and should include a cover letter, curriculum vita, teaching statements, and contact information for at least three references. Review of applications will begin November 1, 2017 and will continue until the position is filled.

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

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

Marquette University

Tenure-track, Assistant Professor in Computer Science

The Department of Mathematics, Statistics and Computer Science of Marquette University invites applications for a tenure-track position in computer science at the rank of Assistant Professor to begin in August 2018. The Department seeks an individual with a doctorate by time of appointment in computer science or closely related field, whose area of expertise addresses one of the many facets of the broadly defined area of data science/big data. Examples include data focused research in cloud computing, machine learning, computational biology/bioinformatics, visualization, human computer interaction or security. Candidates with research in other areas with similar data science emphasis will be considered and are encouraged to apply. Exceptional candidates with research in other areas related to computer science will also be considered. Preference will be given to applicants whose strong research record demonstrates potential for establishing an externally funded research program, can contribute to our Ph.D. program in Computational Sciences, demonstrate the ability to teach at both the undergraduate and graduate levels, and have excellent oral, written and interpersonal skills. The Department highly regards and encourages interdisciplinary research.

For more information, or to apply for the position, please see the listing on Marquette University's electronic recruitment system: *http://employment.marquette.edu/postings/8582*

Marquette, an EOE that values diversity, is a Catholic Jesuit university routinely listed among the country's top universities renowned for academic vigor, innovation and achievements of its community of scholars. We seek candidates who can contribute to the university mission, which can be found at *http://www.marquette.edu/about/mission.php*. Candidates from underrepresented groups are particularly welcome.

Max Planck Institute for Software Systems (MPI-SWS)

Tenure-track openings Max Planck Institute for Software Systems (MPI-SWS)

Applications are invited for faculty positions at all career stages in computer science, with a particular emphasis on systems (broadly construed). We expect multiple positions to be filled in systems, but exceptional candidates in other areas of computer science are also strongly encouraged to apply.

A doctoral degree in computer science or related areas and an outstanding research record (commensurate for the applicant's career stage) 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 is part of a network of over 80 Max Planck Institutes, Germany's premier basic-research organisations. 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 full academic freedom, lead a team of doctoral students and post-docs, and have the opportunity to teach university courses; at the same time, they enjoy ongoing institutional funding in addition to third-party funds, a technical infrastructure unrivaled for an academic institution, as well as internationally competitive compensation.

The institute is located in the German cities of Saarbruecken and Kaiserslautern, 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 on our application website (*apply.mpi-sws.org*). To receive full consideration, applications should be received by December 1st, 2017.

The institute is committed to increasing the representation of minorities, women, and individuals with physical disabilities. 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.

McGill University

Tenure-track positions in Data Science and Machine Learning

The School of Computer Science of McGill University, Montreal, invites applications for several tenure-track appointments in Data Science and Machine Learning at all ranks, to begin on August 1st, 2018. Candidates should have or soon expect a Ph.D. in computer science or a related field.

The School is looking for candidates with expertise in AI, machine learning, and data science, from the development of new ML theory and algorithms, to applying AI to various real-world domains such as life sciences, computational social science, health, robotics, education or finance. The successful candidates will be expected to conduct high-quality research and secure competitive external funding, teach to a diverse and talented student body, and be involved in the university community.

Salary will be negotiable, according to qualifications and experience. Outstanding candidates will be recommended by the School to receive a Canada CIFAR Chair in AI (*https://www.cifar.ca/assets/pan-canadian-artificial-intelligence-strategy-overview/*).

Montreal is home to a very active AI community, including university-led institutes such as MILA, industry-led AI research groups (Google, Facebook, Microsoft and several more), as well as a thriving AI startup community. Montreal is a historic and cosmopolitan city, home to no less than six universities, and considered one of the best cities for students.

The School of Computer Science offers a collegial environment with opportunities for interaction with world-class researchers in machine learning, robotics, social data science, bioinformatics, natural language processing, theory, big data systems, and many more. McGill is routinely ranked as one of the world's best universities and there is ample opportunity for transdisciplinary collaboration.

For more detailed information and to apply, please consult our website at: *http://www.cs.mcgill.ca/careers/academic*

The selection process will begin November 20, 2017, and continue until the positions are filled.

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

For more information:
datasciencejob@cs.mcgill.ca

McMaster University

Tenure-Track Faculty Positions in Computing and Software

The Faculty of Engineering at McMaster University has a reputation for innovative programs, cutting-edge research, leading faculty, and aspiring students. It has earned a strong reputation as a centre for academic excellence and innovation. The Faculty has approximately 180 faculty members, along with close to 4,500 undergraduate and 1,000 graduate students. The Faculty of Engineering promotes a nurturing and inclusive environment where opportunities are

made available for personal growth and professional development.

To enrich its flourishing research programs, the Department of Computing and Software at McMaster University is seeking outstanding individuals for multiple tenure-track faculty positions at the rank of Assistant Professor. However, a more senior level appointment may be possible for exceptional candidates. The Department is slated to grow significantly over the next few years, and new hires will have the opportunity to influence future directions.

Qualified candidates in the following areas are strongly encouraged to apply: machine learning, applied artificial intelligence, smart systems, and software engineering. Exceptional candidates in related areas will also be considered. Candidates must have demonstrated the potential for excellence in research, as well as having strong communication skills and being committed to education. They are also expected to have demonstrated an ability to work effectively with individuals from diverse communities and cultures. The successful candidates will be expected to establish a dynamic research program in their fields of expertise, to become engaging teachers and mentors at both the undergraduate and graduate levels, and to make strong commitment to curricula development. They will also be expected to explore opportunities for research collaborations across the Faculty of Engineering, and across the University. Successful candidates are expected to become registered with Professional Engineers Ontario.

The successful candidates will have the opportunity to engage with faculty members and research staff associated with McMaster's world-class research and teaching laboratory facilities in software and data intensive systems and data analytics areas, including: the McMaster Centre for Software Certification (McSCert), the McMaster Automotive Resource Centre (MARC), the Shared Hierarchical Academic Research Computing Network (SharcNet), Advanced Optimization Laboratory (AdvOL), Computing Infrastructure Research Centre (CIRC), and the MacData Institute.

All qualified applicants are encouraged to apply; however, Canadian citizens and permanent residents will be given priority. To comply with the Government of Canada's reporting requirements, the University is obliged to gather information about applicants' status as either Permanent Residents of Canada or Canadian citizens. Applicants need not identify their country of origin or current citizenship, however, all applications must include one of the following statements:

"Yes, I am a citizen or permanent resident of Canada" OR "No, I am not a citizen or permanent resident of Canada".

These positions will ideally commence July 1, 2018. The selection process will begin by November 15, 2017, and continue until the positions are filled.

Applications, including cover letter, statement of research and teaching interests, curriculum vitae, research samples (published articles or other evidences of research contributions), evidence of teaching effectiveness, and names and contact information of 3 to 5 references, should be sent to Laurie Leblanc at *leblanl@mcmaster.ca*.

McMaster University's beautiful campus is at the north-west end of Hamilton on the western end of Lake Ontario, between the Niagara Escarpment, conservation lands, and the Royal Botanical Gardens. Hamilton, with a population of over 500,000, is a vibrant community with easy access to Toronto and the Niagara region. It is located at the northern tip of an ecological zone commonly called the Carolinian Forest that encompasses the southern-most portion of Ontario but occurs nowhere else in Canada. As a result, Hamilton is home to many unique species of plants and animals that only occur here because the summer climate approaches that of North and South Carolina in the United States.

In keeping with its Statement on Building an Inclusive Community with a Shared Purpose, McMaster University strives to embody the values of respect, collaboration and diversity, and has a strong commitment to employment equity. The diversity of our workforce is at the core of our innovation and creativity and strengthens our research and teaching excellence. The University seeks qualified candidates who share our commitment to equity, diversity and inclusion. While all qualified candidates are invited to apply, we particularly welcome applications from women, persons with disabilities, First Nations, Métis and Inuit peoples, members of visible minorities, and LGBTQ+ persons.

Job applicants requiring accommodation to participate in the hiring process should contact the Human Resources Service Centre at 905-525-9140 ext. 222-HR (22247) or the Faculty of Health Sciences Human Resources office at ext. 22207 to communicate accommodation needs.

McMaster University

Assistant Professor

The W Booth School of Engineering Practice and Technology is seeking an outstanding individual for a contractually limited appointment at the rank of Assistant Professor in the Bachelor of Technology Program. The successful candidate will specialize in one or more of the following areas: Digital Manufacturing, Internet-of-Things (IOT), IOT Cloud Applications and Cyber-physical Systems.

McMaster's large, attractive campus, the interior of which is open only to pedestrians and cyclists, is at the western end of Lake Ontario. The University is minutes from downtown Hamilton, a city rich in history and culture with a vibrant arts community. Nearby recreational and conservation attractions include Cootes Paradise, the Bruce Trail, the Niagara Escarpment, the Waterfront Trail, and the Royal Botanical Gardens. Surrounded by spectacular nature and unique neighbourhoods, Hamilton is ideally located halfway between Toronto and Niagara Falls.

The Faculty of Engineering at McMaster University has a reputation for innovative programs, cutting-edge research, leading faculty, and aspiring students. It has earned a strong reputation as a centre for academic excellence and innovation. The Faculty has approximately 180 faculty members, along with close to 5,500 undergraduate (4,200 in the School of Engineering and Applied Sciences and 1,250 in the W Booth School of Engineering Practice and Technology), 425 Master's students, and 340 PhD students. The Faculty of Engineering promotes a nurturing and inclusive environment where opportunities are made available for personal growth and professional development.

The W Booth School of Engineering Practice and Technology is home to the McMaster-Mohawk Bachelor of Technology Partnership and hosts a number of professional masters level programs in Engineering Practice oriented to the development of leadership and entrepreneurial competencies.

The Bachelor of Technology (B.Tech.) combined degree/diploma program within the W Booth School of Engineering Practice and Technology, are a fresh approach to university level education for the dynamic world of engineering. Based at McMaster University, this joint program with Mohawk College has a unique focus on skills-based learning and the application of engineering and business theory in three degree specializations: Automotive and Vehicle Technology, Biotechnology, and Process Automation Technology. The B.Tech. Degree Completion Program offers three degree specialization programs in Software Engineering Technology, Manufacturing Engineering Technology, Civil Engineering Technology and Energy Engineering Technologies. The B.Tech. program was developed in consultation with industry to produce graduates who are workplace ready, able to move from the shop floor to the executive suite, or onwards to studies in Master's and Doctoral programs in engineering and business.

The B.Tech. program has emerged as a leader in engineering technology education for those who are analytical, innovative, and learn best by doing. Now the fastest growing program at McMaster, the B.Tech. combined degree/diploma program is home to approximately 800 undergraduate students, 25 faculty, and 12 staff. With lecture sizes of approximately 70 students and lab components to complement almost every technical course, B.Tech. is not a typical university engineering program. B.Tech. students know the theory, have practical skills, and gain 12 months of co-op work experience before they graduate with both a McMaster University degree and Mohawk College advanced diploma and business management certificate.

The School of Engineering Practice and Technology is seeking to hire in the following area:

Digital Manufacturing, IOT and/or Cyber-Physical Systems

Candidates must have a Doctorate in Engineering and must possess excellent communication skills and demonstrated ability in classroom and lab instruction at the university level. Experience in developing state-of-the-art experimental

set-ups, supervision of open-ended design projects and demonstrated interest in pedagogy are essential. Familiarity with electronic learning platforms and experiential learning methodologies is required. Experience with C++ and VB.Net programming, MATLAB, LabVIEW, and web technologies/programming are definite assets. Postdoctoral or industrial experience will be considered favorably. Professional engineering license, or eligibility for registration, is crucial. Demonstrated ability to work effectively with individuals from diverse communities and cultures is valued.

While the primary role for this position is teaching (24 credit hours per year), the School expects faculty to engage in committee assignments and to participate in student and school events, as well as other service tasks, as assigned.

The appointment will be contractually limited for a period of up to 3 years in length commencing July 1, 2017 with the possibility of extension. Salary is competitive and commensurate with experience and qualifications. Review of applications will begin immediately and continue until the position is filled.

All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents of Canada will be given priority for this position. McMaster University is strongly committed to employment equity within its community and to recruiting a diverse faculty and staff. The University encourages applications from all qualified candidates, including women, persons with disabilities, First Nations, Métis and Inuit persons, member of racialized communities and LGBTQ-identified persons. If you require any form of accommodation throughout the recruitment and selection procedure, please contact the Human Resources Service Centre at Extension 222-HR (22247). Applications will be accepted until the position is filled. For more information about the Department, please consult *http://www.eng.mcmaster.ca/wbooth/index.html*

To comply with the Government of Canada's reporting requirements, the University is obliged to gather information about applicants' status as either Permanent Residents of Canada or Canadian citizens. Applicants need not identify their country of origin or current citizenship; however, all applications must include one of the following statements:

Yes, I am a citizen or permanent resident of Canada

No, I am not a citizen or permanent resident of Canada

Applicants are asked to apply online at: *http://www.workingatmcmaster.ca/careers/*

Please direct queries to: *btechHR@mcmaster.ca*

Miami University

Assistant/Associate Professor – Computer Science & Software Engineering

Computer Science & Software Engineering: The Department of Computer Science and Software Engineering at Miami University in Oxford, Ohio invites applications for three tenure-track positions at the Assistant or Associate Professor level. Outstanding applicants in all research areas are encouraged to apply.

Duties include undergraduate and graduate teaching; advising students and supervising student research; establishing a strong research program; providing service to the institution.

Required: Earned doctorate or ABD in computer science, software engineering, computer engineering, or a related field (doctorate to be completed by December 31, 2018 for re- appointment to a second year); ability to teach courses in computer science and/or software engineering.

To be appointed to the rank of Associate Professor the successful candidate must provide evidence of high quality teaching and a record of high quality scholarship/research with a prospect for continuation. For all ranks consideration may be given to those with a record of published research/scholarship in some sub-discipline of computer science or software engineering, or experience teaching in higher education.

Consideration may be given to applicants specializing in distributed systems, security, data science, software engineering or artificial intelligence/machine learning.

Submit letter of interest, curriculum vitae, statement of research plans and teaching philosophy that includes a list of courses taught and any evidence of teaching

quality to *https://miamioh.hiretouch.com/job-details?jobID=4933*. For inquiries about posting, contact Dr. Mike Zmuda at *cse.search@miamioh.edu*. Screening of applications will begin December 1, 2017 and will continue until the position is filled.

Miami University, an EO/AA employer, encourages applications from minorities, women, protected veterans and individuals with disabilities. Miami University does not discriminate on the basis of age, color, disability, gender identity or expression, genetic information, military status, national origin, pregnancy, race, religion, sex, sexual orientation or protected veteran status in its application and admission processes, educational programs and activities, facilities, programs or employment practices. Requests for all reasonable accommodations for disabilities related to employment should be directed to *ADAFacultyStaff@miamioh.edu* or 513-529-3560.

Miami University's Annual Security and Fire Safety Report with information on campus crime, fires, and safety may be found at: *http://www.MiamiOH.edu/campus-safety/annual-report/index.html*. Hard copy available upon request. A criminal background check is required. All campuses are smoke- and tobacco-free campuses.

Microsoft Research

Postdoctoral Researcher

Microsoft Research NYC seeks outstanding applicants for a postdoctoral researcher in the areas of machine learning, artificial intelligence, and related fields.

Details about the position and instructions for how to apply can be found at *https://aka.ms/msrnyc-ml-pd2017*.

Microsoft Research

Researcher

Microsoft Research NYC seeks outstanding applicants for a full-time researcher in the areas of machine learning, artificial intelligence, and related fields.

Details about the position and instructions for how to apply can be found at *https://aka.ms/msrnyc-ml-res2017*.

National Science Foundation

Temporary Program Directors Education and Human Resources Directorate

The Division of Research in Learning at the National Science Foundation seeks program officers with expertise in one or more of the following areas: advanced technologies for learning (cyberlearning), educational data mining, learning analytics, or computer science education including K-12.

Please see *https://www.nsf.gov/pubs/2017/drl17001/drl17001.jsp* for the full job announcement.

National University of Singapore

Postdoc in Computer Architecture and Compilers

We are looking for enthusiastic, motivated researchers in:
- processor microarchitecture
- datacenters and servers
- optimizing compilers (LLVM)
- FPGA optimization

To apply, please mail your CV, letter of interest, and contact information for two to four professional references to Trevor E. Carlson *comparch@comp.nus.edu.sg*.

For more information, visit: *http://www.comp.nus.edu.sg/~tcarlson/join-us*

National University of Singapore

Faculty Positions in Information Systems and Analytics
Tenure-Track in Information Systems and Analytics

The Department of Information Systems and Analytics at National University of Singapore is one of the few departments in the world that offers a comprehensive suite of Information Systems and analytics academic and professional degree programs from undergraduate to PhD level. It has about 20 tenure-track faculty members, who received training from different disciplines and renowned global institutions. The diversity of

our faculty members has allowed the department to pursue a wide variety of research topics using behavioural (both quantitative and qualitative), economics/ econometrics, and design science/ business technical/computational research paradigms.

National University of Singapore is currently ranked 12th in the 2015 QS World University Ranking exercise. The Department of Information Systems and Analytics is also ranked among the top 10 universities based on publications in the top IS journals. Besides offering a very competitive pay package and large start-up research grants, the department also provides an extremely collegial and research-conducive environment for faculty professional development.

Research and Teaching Specializations preferred:
1. Big Data Analytics
2. Design Science/Technical IS
3. Financial Technology

We will be interviewing at **CIST/INFORMS 2017/ICIS 2017.**
Rank (s) and number of positions available: **(2) Rank Open**
Desired Starting Date: **Fall, 2018**
Application Deadline: **Open until the positions are filled**

Application Details:

- Please submit your applications with the following documents (in a single PDF) online via *https://isrec.comp.nus.edu.sg*
  - A cover letter that indicates the position applied for and the main research interests
  - Curriculum Vitae
  - A teaching statement
  - A research statement
  - One research paper
- Provide the contact information of 3 referees when submitting your online application, or, arrange for at least 3 references to be e-mailed directly to *isrec@comp.nus.edu.sg*

Individual in-charge of recruiting: Dr. TEO Hock Hai (Search Chair)
Email Address: *teohh@comp.nus.edu.sg* and *isrec@comp.nus.edu.sg*
Contact Person (s) at Conference: Dr. TEO Hock Hai
Email address for Contact Person (s): *teohh@comp.nus.edu.sg*

NEC Laboratories America

Researcher – Big Data Analytics

NEC Laboratories America (*http://www.nec-labs.com/*) conducts research in support of NEC's US and global business. Our lab has a broad research program that covers many areas and maintains a balance of fundamental and applied research.

The Systems Research department (*http://www.nec-labs.com/research-departments/systems-research/systems-research-home*) performs research on all aspects of large-scale complex systems. We are creating innovative analytics from big data to simplify and automate the operation of large-scale IT systems and services. We have several ongoing big data analytics projects including heterogeneous log analysis, network data mining and spoofing detection, behavior analysis from massive transactions, etc.. Our group brings together experts in machine learning, data mining, networking, security, and big data processing systems. We build technologies to solve real world problems and grow NEC's business. Our research leads to both award-winning NEC products/solutions and numerous publications in top conferences.

Our group is looking for multiple researchers to work in the area of data analytics and mining. The ideal candidates must have expertise in data mining and statistical learning, and can develop algorithms to analyze massive amount of data to build innovative analytics applications. He/she must have a PhD in CS/CE with a strong publication record in at least one of the following areas:

- Data mining and statistical learning
- Time series analysis and prediction
- Text mining and information retrieval
- Large scale optimization and learning
- Signal processing and information theory

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

For more information about NEC labs, access *http://www.nec-labs.com/*. To apply, submit

your CV and research statement through our career center at *https://www.appone.com/MainInfoReq.asp?R_ID=1722837*. The application review will begin immediately.

EOE-M/F/D/V

NEC Laboratories America

Researcher – Systems/Networking/Security/IoT

NEC Laboratories America (*http://www.nec-labs.com/*) conducts research in support of NEC's US and global business. Our lab has a broad research program that covers many areas and maintains a balance of fundamental and applied research.

The Systems Research department (*http://www.nec-labs.com/research-departments/systems-research/systems-research-home*) performs research on all aspects of large-scale complex systems. We have ongoing projects in distributed systems and cloud infrastructure, data center networking, computer security, and big data analytics. Our group brings together experts in operating systems, networking, distributed systems, mobile/IoT, security, modeling, statistics, and data mining. We build technologies to solve real world problems and grow NEC's business. Our research leads to both award-winning NEC products/solutions and numerous publications in top conferences.

Our group is looking for multiple researchers in the areas of computer networking, distributed systems, security and big data. The ideal candidates must hold a PhD in Computer Science or

NJIT
New Jersey Institute of Technology

CHAIR, COMPUTER SCIENCE DEPARTMENT, NJIT

The Computer Science Department at the New Jersey Institute of Technology (**http://cs.njit.edu/**) invites applications for the position of Department Chair. The successful candidate should demonstrate academic leadership skills necessary to create the conditions for faculty and student development and encourage interdisciplinary research across the university as well as with other national and international partners. He/she is expected to play an active role in capitalizing on the departments' strengths to elevate the department's visibility and recognition. Candidates must have a PhD in computer science or a related discipline with a demonstrated track record of scholarly accomplishments commensurate with the appointment at the rank of Full Professor, including a sustained record of publication in top venues, attracting funding, and mentoring students. The ideal candidate must demonstrate administrative leadership as well as the ability to recruit, mentor and retain diverse research-intensive faculty, maintain a collegial and ethical environment, and work with faculty and students of diverse backgrounds.

NJIT's Computer Science Department has 33 tenure-track faculty, 13 lecturers, and 1,408 students (including 59 PhD and 550 MS students) across nine programs of study. The Computer Science Department participates alongside NJIT's Informatics Department in producing the largest pool of computing talent in the tri-state (CT, NJ, NY) area. With $5M in annual research expenditures and several state-of-the-art research centers and laboratories, the department conducts research in a wide range of areas and plays a key role in the NJIT Center for Big Data and The NJIT Cybersecurity Research Center. The department has strong connections with local industry and works closely with many corporations through student Capstone projects, internships, co-ops and joint R&D projects.

The Computer Science Department resides within the Ying Wu College of Computing, which is undergoing significant growth as a priority area for NJIT under a new Dean. This growth is an integral part of NJIT's five-year strategic plan, called Vision 2020, which calls for consolidating NJIT as a world-class institution of higher education and research. Applied research, collaboration with industry, innovation and entrepreneurship are encouraged and supported. Performance and tenure expectations are aligned with those of the broader computing community, with an emphasis on grant funding and publishing in top conferences and journals.

The Ying Wu College of Computing comprises 23% of the NJIT enrollment, educating more than 2,700 students in computing disciplines, and graduating more than 750 computing professionals every year. As such, it is the largest generator of computing talent in the tri-state area.

NJIT is located in Newark's University Heights, a vibrant sprawling downtown campus close to Rutgers-Newark, New Jersey Innovation Institute, Essex Community College, New Jersey Medical School, University Hospital, and Rutgers School of Dental Medicine. NJIT is just a 30 minute train ride from New York City and its burgeoning Silicon Alley tech sector, enabling close interaction with that vibrant professional community.

APPLYING: Applications received by January 15, 2018 will receive full consideration. However, applications are welcome until the position is filled.

To apply, please visit **http://jobs.njit.edu** and search for **req18**. The applications must include a cover letter, a curriculum vitae, and the names and contact information of five references.

Supplemental materials and inquiries may be emailed to **cschairsearch@njit.edu**.

To build a diverse workforce, NJIT encourages applications from individuals with disabilities, minorities, veterans and women. EEO employer.

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

Engineering and have a strong publication or systems building record in at least one of the following areas:

- Network monitoring, analytics and management
- Big data processing platforms
- IoT and mobile applications
- Systems and network security
- Data center and cloud computing

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

For more information about NEC labs, please access *http://www.nec-labs.com/*. To apply, submit your CV and research statement through our career center at *https://www.appone.com/MainInfoReq.asp?R_ID=1722835*. The application review will begin immediately.

EOE-M/F/D/V

NJIT
New Jersey Institute of Technology

CHAIR, INFORMATICS DEPARTMENT, NJIT

The Ying Wu College of Computing at New Jersey Institute of Technology (NJIT) welcomes applications for the position of Chairperson of the Informatics Department. The new Chair will lead the expansion of the department, recently created by combining the Information Systems Department and the Information Technology Program. The Chair will work closely with the Dean of the College in transforming the college into a prominent player in the NY/NJ tech community, which is a strong priority for NJIT.

DEPARTMENT: Informatics has a strong research and academic emphasis on data intensive computing, human centered computing, game design, augmented reality/virtual reality, security, and network administration. The department is well-ranked nationally for information systems and game design. We offer ABET accredited Baccalaureate programs in Web and Information Systems, Business and Information Systems, Human-Computer Interaction, and Information Technology. We also offer MS programs in Business and Information Systems, IT Administration and Security, and a PhD in Information Systems. The department enrolls over 760 undergraduate and 380 graduate students. The college enrolls over 2,700 students and is the largest generator of computing talent in the tri-state area. The college and department have strong connections with local industry and work closely with many corporations through student Capstone projects, internships, and joint R&D projects.

QUALIFICATIONS: The successful candidate must have earned a Doctorate in a relevant discipline, and should be an experienced and visionary academic leader with a distinguished research record. The candidate should qualify for a tenured position in the department at the rank of Full Professor. The Chair reports to the Dean of the Ying Wu College of Computing.

LOCATION: NJIT is located in Newark, NJ and is just a 30 minute train ride from New York City and its burgeoning Silicon Alley tech sector. The NJ area around NJIT features a high concentration of industry and businesses, with many opportunities for research collaboration and consulting. The region offers a variety of living environments, from lively urban to quiet suburbs to the Jersey shore, with excellent school districts.

APPLYING: Applications received by January 15, 2018 will receive full consideration. However, applications are welcome until the position is filled.

To apply, please visit **http://jobs.njit.edu** search for **req14**. The applications must include a cover letter, a curriculum vitae, and the names and contact information of five references.

Supplemental materials and inquiries may be emailed to **informatics-chairsearch@njit.edu**.

To build a diverse workforce, NJIT encourages applications from individuals with disabilities, minorities, veterans and women. EEO employer.

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

New College of Florida

Assistant Professor (Human Computer Interaction, Deep Learning, or Artificial Intelligence)

As part of an unprecedented growth phase, New College of Florida invites applications for a tenure-track Assistant Professor position with a specialization in Human Computer Interaction, Deep Learning or Artificial Intelligence.

For the complete position advertisement, please visit: *https://www.ncf.edu/about/departments-and-offices/human-resources/employment/assistant-professor-of-human-computer-interaction/*

For more information on the college-wide expansion, please visit: *https://www.ncf.edu/about/departments-and-offices/human-resources/employment/grow-with-us/*

New Jersey Institute of Technology

Ying Wu College of Computing at NJIT Professor of Practice for Innovation and Entrepreneurship

The Ying Wu College of Computing (YWCC) at New Jersey Institute of Technology (NJIT) seeks a dynamic individual to serve as **Professor of Practice**, responsible for the innovation and entrepreneurial programs of the College. A Professor of Practice is a non-tenure track position dedicated mostly to educational activities, filled by individuals with a strong practical orientation. Reporting directly to the Dean and working closely with the college faculty and students, the Professor will develop and implement entrepreneurial programs dedicated to Information Technologies. The Professor will develop basic and advanced academic courses in entrepreneurship, build a robust support network in the NJ and NYC entrepreneurial eco-systems, promote and support innovation and entrepreneurial ventures among the College students and faculty, deal with Intellectual Property issues, and liaison with other relevant departments at NJIT, including the Office of Sponsored Research Administration and the Martin Tuchman School of Management.

The Professor will work closely with the new Dean of the College – Craig Gotsman – in implementing his vision for the College to play a prominent role in the NY/NJ academic and tech community. This is a strong priority for NJIT also among the university leadership.

YWCC, consisting of the Computer Science Department and the Informatics Department, is the largest generator of computing talent in the tri-state area. It enrolls 2,700 students at all levels (approximately a quarter of NJIT's enrollment) and graduates more than 750 computing professionals every year. The College has strong connections with local industry and work closely with many corporations through student Capstone projects, internships, and joint R&D projects.

NJIT is New Jersey's Science and Technology University, enrolling some 12,000 students in all STEM disciplines, 24% of them in YWCC. The NJIT campus is located in the University Heights section of Newark, the largest city in New Jersey, only 12 miles from New York City.

New Jersey is home to a large number of industries, including several Fortune 100 and 500 companies. NJIT operates on campus, through its New Jersey Innovation Institute (NJII), the Enterprise Development Center (EDC), home to close to 90 startups.

Main responsibilities:

- Develop academic training courses, mostly for YWCC students, in entrepreneurship, focusing on information technologies.
- Implement events and training seminars/clinics/forums in entrepreneurship.
- Support and mentor the spinoff of commercial ventures, based on scientific activities, among students and faculty, while still on campus.
- Support, monitor and track fresh College spinoffs leaving campus.
- Build a robust support network of mentors and advisors in the NJ/NY entrepreneurial ecosystem.
- Serve as a bridge between the College and the broader NJ/NY tech ecosystem.
- Support patenting and intellectual property (IP) protection in the College and negotiate its licensing to spinoffs.
- Maintain a productive relationship and liaison with NJIT's Office of Sponsored Research Administration, the School of Management and the affiliated New Jersey Innovation Institute (NJII).
- Identify and secure government/foundation/corporate funding and sponsorship opportunities for innovation and entrepreneurship.

Main qualifications:

- A Bachelor's degree in a relevant field. MBA an advantage. Experience in research an advantage.
- Some experience in education/training/mentoring.
- At least five years experience working in product development, business development, team building and raising capital in a commercial startup environments, preferably as the founder of a venture.
- Some experience in patenting.
- At least three years experience supporting innovation and entrepreneurship (e.g. as a venture capitalist or accelerator/incubator manager). Experience in an academic environment an advantage.
- Familiarity with the NJ and NYC entrepreneurial eco-systems, including the business, venture capital and legal communities.
- Creative out-of-the-box thinker.
- Strong verbal and written communication skills.
- People person.
- Inspiring, friendly, outgoing and service-oriented.

To apply, please visit ***http://jobs.njit.edu*** and search for **req2**.

To build a diverse workforce, NJIT encourages applications from individuals with disabilities, minorities, veterans and women. EEO employer.

NEW JERSEY INSTITUTE OF TECHNOLOGY
University Heights, Newark,
NJ 07102-1982

New Mexico State University

Assistant Professor

NMSU invites applications for a tenure-track assistant professor position in the broad areas of visualization and human-computer interaction. Qualified candidates in strongly related fields are encouraged to apply. Candidate must have completed a Ph.D. by the time of their appointment (Fall 2018), and a strong commitment to both research and teaching. The CS has BS/MS/PhD degree programs and a vibrant research environment. Research strengths include digital game design, HCI, data science, artificial intelligence, data mining, systems & software, security, IoT, smart power grids, and communications &; sensors.

NMSU is in Las Cruces, NM, USA, which has a mild high-desert climate and features desert mesas, the farmlands of the Rio Grande Valley, and the Organ Mountains. For more information or to apply, please visit ***jobs.nmsu.edu***, position 197841. The web site ***www.cs.nsmu.edu*** also has further detail.

NMSU is an Equal Opportunity/Affirmative Action employer.

New York University/ Courant Institute of Mathematical Sciences

Department of Computer Science Faculty

The department expects to have several regular faculty positions and invites candidates at all levels to apply. We will consider outstanding candidates in any area of computer science, in particular in scientific computing, verification, programming languages, machine learning and data 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. In addition, we fully expect to secure affordable housing for the appointees 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 36 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, 2017; however, this is not a hard deadline, as all candidates will be considered to the full extent feasible, until all positions are filled. Visiting positions may also be available.

EOE/AA/Minorities/Females/Veterans/Disabled/Sexual Orientation/Gender Identity

North Carolina State University

Department of Computer Science
Advanced Learning Technologies Faculty Position

The Department of Computer Science at North Carolina State University invites applications for a tenure-track faculty position in the area of advanced learning technologies starting August 16, 2018. Successful candidates will 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 closely related field. Candidates with exceptional research records appropriate for the Assistant Professor, Associate Professor, and Full Professor levels are encouraged to apply. The successful candidate will have his or her tenure home in the Department of Computer Science and will be affiliated with the Center for Educational Informatics, an interdisciplinary research center with a focus on next-generation learning technologies. Candidates are sought who have research interests in artificial intelligence and/or human-computer interaction applications in education. Candidates with expertise in adaptive learning technologies, intelligent tutoring systems, educational data mining, and learning analytics are preferred. The Department of Computer Science is one of the largest and oldest in the country. It is housed in a top US College of Engineering and has extensive ties with industry and government laboratories. The department's research expenditures are among the top in the nation, and it has one of the largest concentrations of NSF CAREER Award winners in the country.

North Carolina State University (NCSU) is the largest university in North Carolina, with more than 34,000 students and 8,000 faculty and staff. It is located in Raleigh, the capital of North Carolina, which forms one vertex of the world-renowned Research Triangle Park. The Research Triangle Park 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 area is routinely recognized in nationwide surveys as one of the best places to live in the US. It has the diversity normally associated with a much larger city, while enjoying outstanding public schools, affordable housing, and great weather, all in proximity to the mountains and the seashore.

Applications will be reviewed as they are received. The position will remain open until suitable candidates are identified. Applicants are encouraged to apply by December 15, 2017. Applicants should submit the following materials online at *http://jobs.ncsu.edu* (reference position number 00106237) 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 *csc-cei-search@lists.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.

North Carolina State University

Department of Computer Science
Privacy/Security Faculty Position

The Department of Computer Science at North Carolina State University (NCSU) seeks to fill a tenure-track faculty position

in the area of Privacy and/or Security starting August 16, 2018.

Successful privacy and/or 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. Candidates with exceptional research records of all levels are encouraged to apply. 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 are amongst the top in the nation with recognition of our impact in the areas of security, systems, software engineering, educational informatics, networking, and games. For example, we have one of the largest concentrations of NSF Early Career Award winners (24 of our current or former faculty have received one).

NCSU is located in Raleigh, the capital of North Carolina, which forms one vertex of the world-famous Research Triangle Park (RTP). RTP is an innovative environment, both as a metropolitan area with one of the most diverse industrial bases in the world, and as a center of excellence promoting technology and science. The Research Triangle area is routinely recognized in nationwide surveys as one of the best places to live in the U.S. We have the diversity normally associated with a much larger city, while enjoying outstanding public schools, affordable housing, and great weather, all in 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, 2017. Applicants should submit the following materials online at *http://jobs.ncsu.edu* (reference position number 00103888) 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.

Assistant/Associate/Full Professor - Intelligent, Secure, Autonomous and High Performance Systems

Requisition Number: FTFR001013
Division/College: College of Engineering
Location: Boston Main Campus
Full-time/Part-time: Full Time

Responsibilities:
The Department of Electrical and Computer Engineering at Northeastern University invites applications for multiple open positions at all levels. We seek exceptional candidates addressing problems in cybersecurity, big data computing, all areas of robotics, Internet-of-Things (IoT) systems, and high performance systems, with expertise broadly in one or more of the following areas:

- Secure hardware and software systems/devices,
- Embedded systems and sensing, power-aware computing and system-on-chip,
- Robotics, including vision, learning, actuation and field robotics
- Neuro-computing/engineering, brain interfacing and health monitoring,
- Big data, computation, machine learning, and visualization,
- High performance systems and architectures

Outstanding candidates at all levels will be considered.

Candidates should be committed to fostering diverse and inclusive environments as well as to promoting experiential learning, which are central to a Northeastern University education.

Qualifications:
A Ph.D. in Electrical and Computer Engineering, Computer Science or a closely related field to one of the above listed expertise areas by the start date is required. Successful candidates will be expected to develop strong independent research programs and to excel in teaching in both our undergraduate and graduate programs.

Additional Information:
Northeastern's ECE department has 53 faculty members, with established areas of excellence in high performance computing, robotics, IoT technologies, cybersecurity (NU is an NSA Center of Excellence in both education and research), and communications/networking/signal processing.

Northeastern University is ideally located in the heart of Boston and is in close proximity to a number of major academic institutions and innovative technology companies and installations. Northeastern's departments and research centers maintain strong collaborative interactions with many of these institutions, and the University is also home to a number of NSF -, DHS -, NIST and NIH -supported core research centers. At the core of the Northeastern engineering education experience is our top ranked cooperative education program.

Applications should include a complete curriculum vitae, a statement of current and future research interests, a statement of teaching interests, and contact information for at least four references. For more information, contact Professor David Kaeli (d.kaeli@northeastern.edu). Review of applications will begin immediately and will proceed until the position is filled. Northeastern ECE embraces diversity and seeks candidates who can contribute to a welcoming climate for students and faculty of all races and genders.

Northeastern University seeks to meet the needs of dual career couples and is a member of the New England Higher Education Recruitment Consortium to assist with dual career searches.

To be considered for this position please visit our web site and apply on line at the following link: **http://apptrkr.com/1097356**

Northeastern University is an Equal Opportunity, Affirmative Action Educational Institution and Employer, Title IX University. Northeastern University particularly welcomes applications from minorities, women and persons with disabilities. Northeastern University is an E-Verify Employer.

Northeastern University

Assistant/Associate/Full Professor

Position Summary: The College of Computer and Information Science and the Department of Mathematics, in the College of Science, at Northeastern University invite applications for an open tenure-track/tenured faculty position at all levels in the area of Mathematics and Data Science, beginning in Fall 2018.

Appointments will be based on exceptional research contributions at the interface between Mathematics and Computer Science, combined with a strong commitment and demonstrated success in teaching.

Candidates will be considered from all areas in Computer and Data Science, Machine Learning, Discrete and Computational Mathematics, Probability and Statistics, and Topological Data Analysis.

Qualifications: A Ph.D. in Computer Science, Mathematics or a closely related field to one of the above-listed areas of expertise by the start date is required. Successful candidates are expected to have or to develop an independently funded research program of international caliber and teaching excellence in undergraduate and graduate courses. Qualified candidates should be committed to fostering diverse and inclusive environments as well as to promoting experiential learning, which are central to a Northeastern University education.

Additional Information: Northeastern University is home to 35,000 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 of Computer and Information Science and the College of Science have been major participants in this initiative and will continue their efforts this year, with additional interdisciplinary searches ongoing in related areas. For more information about the College of Computer and Information Science, please visit *http://www.ccis.northeastern.edu*, and for the College of Science, please visit *http://www.northeastern.edu/cos/*.

Additional information and instructions for submitting application materials may be found at the following web site: *https://neu.peopleadmin.com/postings/50980*.

Screening of applications begins immediately. For full consideration, application materials should be received by December 1, 2017. 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.

Northeastern University

Assistant, Associate or Full Professor

The College of Social Sciences and Humanities at Northeastern University seeks nominations and applications from leading scholars for the position of Assistant, Associate or Full Professor, tenure/tenure-track, in the area(s) of cyber security, privacy, ethics, and resilience (all broadly defined), with an expected start date of Fall 2018. We welcome applications from scholars working in any combination of these areas and are especially interested in those that focus on key issues in cybersecurity and privacy as they relate to applied ethics, human behavior, economics, institutions and policy. Interdisciplinary expertise in computational methods, data science, social science and/or humanities is preferred. This is an interdisciplinary position and candidates will be considered for joint appointments across suitable colleges and departments. The successful candidate will have a distinguished scholarly record and demonstrated potential for excellence in leadership and interdisciplinary collaboration.

The position will facilitate cross-college teaching, research and collaboration between the College of Social Sciences and Humanities and the College of Computer and Information Science. The position will also support the University's commitment

to innovation in teaching and contribute to the Cybersecurity & Privacy Institute (*https://cyber.ccis.northeastern.edu/*), the Global Resilience Institute (*https://globalresilience.northeastern.edu/*), and/or the Security & Resilience Studies program (*https://www.northeastern.edu/cssh/polisci/security-resilience-studies/*). The candidate who fills this position will share the college's commitment to fostering diverse and inclusive environments as well as to promoting experiential learning, which are central to a Northeastern University education.

Qualifications

Candidates must have a PhD or its equivalent at the time of appointment.

Additional Information

The College of Social Sciences and Humanities is a leader in the Experiential Liberal Arts (*www.northeastern.edu/cssh/about/deans-welcome*). Founded in 1898, Northeastern University is a dynamic and highly selective urban research university in the center of Boston. Grounded in its signature co-op program, Northeastern provides unprecedented global experiential learning opportunities. The College is strongly committed to fostering excellence through diversity and enthusiastically welcomes nominations and applications from members of groups that have been, and continue to be, underrepresented in academia.

Equal Employment Opportunity

Northeastern University is an Equal Opportunity, Affirmative Action Educational Institution and Employer, Title IX University. Northeastern University particularly welcomes applications from minorities, women and persons with disabilities. Northeastern University is an E-Verify Employer.

How to Apply

Applicants should submit a CV and letter of interest along with the names of three references. Candidates will be notified before their references are contacted. Full dossiers will be requested for first-round interviews.

To apply, please go to *http://www.northeastern.edu/cssh/faculty-positions* and click on the link for full-time positions or full-time interdisciplinary positions or if viewing this description on the Northeastern University website, click "Apply to this job." Please address nominations and inquiries about the position to Rory Smead at *r.smead@northeastern.edu*. Review of applications will begin November 1, 2017 and will continue until the position is filled.

Northern Illinois University

Assistant Professor, Computer Science

The Computer Science Department at Northern Illinois University invites applicants to tenure-track appointments at the rank of (Assistant) Professor to start in August 2018. Responsibilities include teaching, scholarship, grantsmanship, and service.

Candidates must have or expect to complete a Ph.D. or equivalent degree in computer science or related field by August 16, 2018. Candidates from all research areas are welcome, but preference will be given to candidates with expertise in High-Performance Computing and Software Engineering.

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

Northern Illinois University values candidates who have experience working in settings with students from diverse cultural backgrounds, and who possess a commitment to improving their access to higher education and achievement. Northern Illinois University is an Affirmative Action/Equal Opportunity Employer. A pre-employment criminal background investigation is required.

Qualified individuals must submit a cover letter, current curriculum vitae, a statement of research vision, a statement of teaching philosophy, and a list of at least three references. All materials must be submitted at *https://employment.niu.edu/postings/29508* by January 31, 2018.

Professional Opportunities

Northern Illinois University

Tenure-Track Appointments

The Computer Science Department at Northern Illinois University invites applicants to tenure-track appointments at the rank of (Assistant) Professor to start in August 2018. Responsibilities include teaching, scholarship, grantsmanship, and service.

Candidates must have or expect to complete a Ph.D. or equivalent degree in computer science or related field by August 16, 2018. Candidates from all research areas are welcome, but preference will be given to candidates with expertise in High-Performance Computing and Workflows.

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

Northern Illinois University values candidates who have experience working in settings with students from diverse cultural backgrounds, and who possess a commitment to improving their access to higher education and achievement. Northern Illinois University is an Affirmative Action/Equal Opportunity Employer. A pre-employment criminal background investigation is required.

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Northwestern University

Assistant or Associate Professor of Computer Science and Law

As part of an ambitious plan to grow and transform Computer Science [*http://www.northwestern.edu/newscenter/stories/2016/06/major-expansion-in-computer-science.html*], Northwestern University's CS + X initiative announces a new faculty search at the intersection of Computer Science and Law. In coordination with Northwestern's Pritzker School of Law we seek outstanding candidates at all levels, who have a clear passion to make a difference and are excited by the opportunity to work at the intersection of computer science and the law.

We invite candidates to apply for a new position as Professor of Computer Science and Law at the Associate or Assistant Professor level. Our focus in this search is on faculty who are working on issues related to the relationship between computation and law. We are interested in candidates focused on issues related to legal and regulatory responses to the accelerating world of information technology as well as those who are engaged in developing technologies that have direct impact on the practice of the law itself. Our focus is on Security and Privacy for the former and AI, Machine Learning and HCI for the latter. In general, however, we are open to researchers from all areas of CS. We intend to hire two or more excellent candidates in these areas, and are open to cluster hires and teams.

More information on the CS + X initiative can be found at [*http://www.mccormick.northwestern.edu/eecs/computer-science/cs-plus-x/*]

Further instructions can be found at [*http://www.mccormick.northwestern.edu/eecs/careers.html*]

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women, underrepresented racial and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.

Northwestern University

Professor of Computer Science - Database, Security focus (All Levels)

Northwestern University has announced a substantial commitment to grow and transform Computer Science (CS) [*http://www.northwestern.edu/newscenter/stories/2016/06/major-expansion-in-computer-science.html*]. We seek outstanding candidates with a clear passion to make a difference in Computer Science and who are excited by the opportunity to help build the future of CS at a great university.

Professional Opportunities

We invite candidates to apply for new positions as Professor of Computer Science at the Assistant, Associate, or Full Professor levels. We are particularly interested in recruiting individuals to our database and security faculty teams, but are open to applications from outstanding faculty candidates in all areas of Computer Science. Priority will be given to applicants with path-breaking research interests that have the potential to transform both Computer Science and other disciplines. We intend to hire two or more excellent candidates, and are open to cluster hires and teams.

Further application instructions can be found at *http://www.mccormick.northwestern.edu/eecs/careers.html*

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women, underrepresented racial and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.

Northwestern University

Professor of Instruction – Computer Science

Northwestern University has announced a substantial commitment to grow and transform Computer Science (CS) [*http://www.northwestern.edu/newscenter/stories/2016/06/major-expansion-in-computer-science.html*]. As part of transforming and scaling computer science education, we are looking for multiple non-tenure track teaching faculty. We seek outstanding candidates, in all areas and at all levels, with a clear passion to make a difference in Computer Science, and who are excited by the opportunity to help build the future of CS at a great university.

We invite candidates to apply for non-tenure-track Professor of Instruction positions in Computer Science. The successful applicant will be one who is an extraordinary teacher and mentor. They will bring not only strong and deep knowledge of Computer Science, but also passion in their desire to convey that knowledge to a broad variety of Northwestern students. They will go well beyond delivering entry level service courses to create a learning environment that motivates students to enroll, to work, to learn, and to find new applications of Computer Science that shape their careers and the world beyond. We intend to hire two or more excellent candidates for this role during this academic year. These are multi-year, renewable positions.

Further instructions can be found at *http://www.mccormick.northwestern.edu/eecs/careers.html*

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women, underrepresented racial and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.

Olin College of Engineering *faculty search*

At Olin

Olin College of Engineering, located in the greater Boston area in Needham, MA, seeks enthusiastic applicants for faculty positions at all ranks in computer science, software engineering, computational science and engineering, or related areas. Olin is committed to an inclusive and diverse environment, and we strongly encourage individuals from historically underrepresented communities and women to apply.

Computing

Olin College is a highly selective, gender-balanced undergraduate engineering college, which was founded in 1997 to develop students as exemplary engineers, to drive positive change in engineering education, and to do good throughout the world. Towards these goals, we have developed an innovative approach to engineering education that erases boundaries between disciplines, encourages students to take control of their learning, and emphasizes human-centered design and entrepreneurship. We have forged active partnerships with neighboring Babson and Wellesley Colleges and have co-developed transformative educational experiences with collaborators around the globe. We are growing our faculty team as we continue to innovate within and outside of Olin.

Is Everywhere

Computing plays a vital role at Olin. From the first semester course on modeling and simulation to the year-long industry-supported senior capstone project, from our active research communities in areas such as robotics and assistive technologies to our deployed innovations in the developing world, our students learn the tools and practices of computing and apply them to real world problems.

We are particularly excited about individuals who can articulate a vision for innovating in our computing-focused course offerings, for strengthening connections between computing and other parts of the Olin curriculum, and for involving students in their externally-facing professional work (e.g., research, entrepreneurship, consulting).

If you are passionate about integrating computing throughout the curriculum, we would love to hear from you. Please visit http://www.olin.edu/faculty/apply.

Olin College is an Equal Opportunity Employer. We specifically invite applicants who can contribute to a diverse, inclusive community.

NUS-BIGHEART

Research Fellow

Job Description:
We are looking for highly talented and motivated candidates to work on developing explainable machine learning models for analyzing sensor-driven healthcare data. The project will leverage deep learning and other machine learning techniques to (1) support accurate logging of lifestyle behaviours, (2) recommend healthy behaviours and provide context-aware interventions, and (3) providing decision support to clinicians to improve disease diagnosis.

Qualifications & requirements:

- PhD in Computer Science or related disciplines with a background in machine learning, human-computer interaction, or cyber-physical systems
- Expertise in ubiquitous computing, human-computer interaction, machine learning, novel sensors, and data visualization is highly desirable
- Experience in developing algorithms for activity recognition
- Interest and experience in working with Internet-of-Things, wearable sensors, and mobile apps for healthcare applications
- Competency in developing and implement algorithms, and programming
- Excellent writing and presentation skills
- Ability to work independently (50%) and team projects (50%)

To apply, please send your CV and names of 3 referees (name, institution, email) to Dr. Brian Lim (*brianlim@comp.nus.edu.sg*) Only shortlisted candidates will be contacted.

Oakland University

Computer Science and Engineering Department
Tenure-track Faculty Positions

The Department of Computer Science and Engineering needs to fill four tenure-track assistant professor positions. One position is in Cybersecurity area. The areas for other three positions include Human-Computer Interaction, High-Performance Computing, Database Systems, and Computer Networking. All positions will begin on August 15, 2018. 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.

Applications should be submitted by November 30, 2017. Applicants should submit a letter of intent, a statement of research, a statement of teaching, resume, and list of three references. The candidates for cybersecurity position should upload their application at *http://jobs.oakland.edu/postings/12218*. The candidates for other three positions should upload their application at *http://jobs.oakland.edu/postings/12177*. 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

Faculty Job Openings in Computer Science and Engineering

Applications are invited for multiple tenure-track faculty positions at all ranks. Multiple positions are open in theoretical computer science, with specific interests in quantum computing and cryptography. Multiple positions are open in computer architecture/hardware systems, software systems, neuromorphic architectures and big data biological applications. Outstanding candidates in all areas of Computer Science and Engineering (CSE) will be considered.

For big data biological applications, CSE is encouraging applicants who develop computer science and engineering approaches such as data analytics, learning, or knowledge extraction from healthcare or biology-related datasets. Application areas of interest include, but are not limited to, computational biology, genomics, metabolomics, and "omics" in general. In neuromorphic architectures, we are interested in candidates working in collaboration with neuroscientists on devices and architectures. Successful candidates will have the opportunity to join the interdisciplinary Huck Institutes of the Life Sciences and to supervise students from interdisciplinary graduate programs.

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. We encourage applications from individuals from underrepresented groups, and dual career couples. Applicants should submit a statement of professional interests, curriculum vitae, and the names and email addresses of four references. Please submit these items in a single PDF file electronically. Full consideration will be given to applications submitted by January 15, 2018. Applications will continue to be accepted until all positions are filled. E-mail your questions regarding the application process to mailto:recruiting@cse.psu.edu.

Penn State is a premier public research, land grant university. The Department of Computer Science and Engineering is part of the School of EECS in the College of Engineering. The department conducts world-class research in a wide range of areas, including collaborative research that crosses several disciplinary boundaries. We are looking for candidates who will add to the department`s diverse culture and research strengths.

The University is located in the beautiful town of State College, which is ranked one of the best college towns in the U.S. The area offers a wide variety of cultural and outdoor recreational activities, and outstanding University events, from collegiate sports to fine arts productions. The public high school is nationally ranked by U.S. News and World Report.

Apply online at **http://apptrkr.com/1090097**

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.

two courses that the applicant would like to introduce. Information about the current courses offered by the department is available on departmental website at *http://www.cse.secs.oakland.edu*.

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

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

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

Peking University

Tenure-track or Tenured Faculty Positions, Center on Frontiers of Computing Studies

The Center on Frontiers of Computing Studies (CFCS), Peking University (PKU), China, is a university new initiative co-founded by Professors John Hopcroft and Wen Gao. The center aims at developing the excellence on both research and education. On the research front, the center will provide a world-class research environment for faculty

Tenure Track Faculty Positions

The College of Information Sciences and Technology (IST) at the Pennsylvania State University invites applications for multiple tenured, tenure-track, and lecturer positions.

IST offers a highly collaborative interdisciplinary environment, strong research programs in AI, Data Sciences, Informatics, HCI, Security and Privacy, and Socio-Technical Systems, a strong Ph.D. program, and several successful undergraduate programs (including Data Sciences in collaboration with Statistics and Computer Science). Faculty and students enjoy extensive opportunities for interdisciplinary collaborations and engage with multiple interdisciplinary centers and institutes (e.g., Center for Big Data Analytics and Discovery Informatics, Institute for Cyberscience, Huck Institutes of the Life Sciences, Social Science Research Institute, Materials Research Institute, and Institute for Energy and the Environment). The NIH-funded Clinical and Translational Sciences Institute, NSF-funded North East Big Data Innovation Hub and Interdisciplinary Graduate Training Programs in Bioinformatics and Genomics and in Biomedical Data Sciences (both NIH-funded) and in Social Data Analytics (NSF-funded) offer opportunities for collaborative research and graduate education.

For more information and to apply:

- **Data Sciences - General/Life Sciences - http://apptrkr.com/1093751**
- **Data Sciences - Ethics - http://apptrkr.com/1098103**
- **Human Centered Design - http://apptrkr.com/1098109**
- **Security and Privacy - http://apptrkr.com/1098113**
- **Teaching Faculty - http://apptrkr.com/1098119**

The Pennsylvania State University is the land grant institution of Pennsylvania. University Park is the largest of Penn State's 24 campuses, with approximately 44,000 undergraduates and more than 150 graduate programs. IST has award-winning faculty and state-of-the-art facilities. Both faculty and students are dedicated to collaboration and applying knowledge to make our lives better. University Park is located in State College PA, ranked the 3rd safest metropolitan area in the US by CQ Press and the 8th best college town by Best College Reviews.

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.

member development, where innovation and impactful research is the central aim. On the education front, the center hosts the Turing Class, an elite undergraduate program that draws the cream of the crop from the PKU undergraduate talent pool, with the aim to cultivate a new generation of computer scientist/engineers that are solid in both theories and practices.

We seek applicants from all areas of Computer Science, spanning theoretical foundations, systems, software, and applications, with special interests in artificial intelligence and machine learning. We are especially interested in applicants conducting research at the frontiers of Computer Science with other disciplines, such as data sciences, engineering, as well as mathematical, medical, physical, and social sciences.

Applicants are expected to have completed (or be completing) a Ph.D., have demonstrated the ability to pursue a program of research, and have a strong commitment to undergraduate and graduate teaching.

To Apply: Applicants should send a CV; copies of 3-5 key publications; 3-5 names and contact information of references; and a statement of research and teaching to: *CFCS_recruiting@pku.edu.cn*

Postdoctoral positions are also available. For more details, please check *http://idm.pku.edu.cn/notice/CFCS_job.asp*

Princeton University

Assistant Professor of Computer Science

The Department of Computer Science at Princeton University invites applications for tenure track 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 September 1, 2018. 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, research statement, teaching statement and contact information for at least three people who can comment on the applicant's professional qualifications online at: *https://puwebp.princeton.edu/AcadHire/apply/application.xhtml?listingId=4181*

For full consideration we recommend that applicants apply by December 1, 2017, though we will continue to review applications past that date as needed.

Princeton University is an *Equal Opportunity/Affirmative Action Employer* and all qualified applicants will receive consideration for employment without regard to age, race, color, religion, sex, sexual orientation, gender identity or expression, national origin, disability status, protected veteran status, or any other characteristic protected by law. *EEO IS THE LAW*

This position is subject to the University's background check policy.

Requisition No: D-18-COS-00003

Princeton University

Associate and Full Professors of Computer Science

The Department of Computer Science at Princeton University invites applications at the Associate and Full Professor level. We are accepting applications in all areas of Computer Science. Applicants must demonstrate superior research and scholarship as well as an excellent teaching record.

A PhD in Computer Science or a related area is required. 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, research statement, teaching statement and contact information for at least three people who can comment on the applicant's professional qualifications online at: *https://puwebp.princeton.edu/AcadHire/apply/application.xhtml?listingId=4201*

For full consideration we recommend that applicants apply by December 1, 2017, though we will continue to review applications past that date.

This position is subject to the University's background check policy.

Princeton University is an *Equal Opportunity/Affirmative Action Employer* and all qualified applicants will receive

consideration for employment without regard to age, race, color, religion, sex, sexual orientation, gender identity or expression, national origin, disability status, protected veteran status, or any other characteristic protected by law. *EEO IS THE LAW*

Requisition No: D-18-COS-00004

Princeton University

Associate or Full Professor of Robotics and Cyber-Physical Systems

The School of Engineering and Applied Science (SEAS) at Princeton University invites applications for a faculty position at the senior level (tenured Associate or Full Professor rank) in the broadly defined field of robotics and cyber-physical systems. Applicants must hold a Ph.D. in engineering or a related subject, and have a demonstrated record of excellence and leadership in research. We seek faculty members who will create a climate that embraces excellence and diversity, with a strong commitment to teaching and mentoring.

Princeton SEAS has a long history of leadership in its core disciplines of Mechanical and Aerospace Engineering, Electrical Engineering, Computer Science, Operations Research and Financial Engineering, Civil and Environmental Engineering, and Chemical and Biological Engineering. A major effort is underway to establish a collaborative, cross-disciplinary community in robotics and cyber-physical systems, which will lead to new academic opportunities and future robotic systems that interact with the human-occupied world with safety and sophistication for the benefit of society. We seek candidates with the background, expertise, creativity, and passion to build upon and complement existing strengths in order to lead Princeton in its efforts to establish inspiring research and teaching in the rapidly growing field of robotics and cyber-physical systems.

To ensure full consideration, applications should be received by December 1, 2017. Applicants should submit a curriculum vitae, including a list of publications, a summary of research accomplishments and future plans, a teaching statement, and contact information for at least three references online at *https://www.princeton.edu/acad-positions/position/3442*. Personal statements that summarize leadership experience and contributions to diversity are encouraged.

This position is subject to the University's background check policy.

Princeton University is an Equal Opportunity/Affirmative Action Employer and all qualified applicants will receive consideration for employment without regard to age, race, color, religion, sex, sexual orientation, gender identity or expression, national origin, disability status, protected veteran status, or any other characteristic protected by law. *EEO IS THE LAW*

Requisition No: D-18-SEA-00001

Princeton University

Research Instructorships in Theoretical Aspects of Computer Science

The Department of Computer Science, in collaboration with the Institute for Advanced Study, offers two 3-year positions for outstanding new Ph.D.'s working in theoretical aspects of computer science, including machine learning. Combining research with teaching duties, these positions come with attractive benefits and working conditions. Typically, the first and third years of these appointments are spent at Princeton University and the second year is spent conducting research (without teaching duties) at the Institute for Advanced Study. These arrangements are flexible. The typical teaching load in the first year of the position is a single one-semester course. The IAS has no teaching duties.

For full consideration applicants should apply by December 1, 2017, though late applications may be reviewed when needed.

Candidates are expected to complete a PhD in Computer Science or a related field, no later than September 1, 2018, for a September 2018 start. Please include a CV, research statement, teaching statement, and 3 letters, of which one should address teaching abilities.

Candidates who have already applied for postdoctoral positions at Princeton University or the Institute for Advanced Study need to apply separately for these positions.

This position is subject to the University's background check policy.

Applicants must apply to: *https://puwebp.princeton.edu/AcadHire/apply/application.xhtml?listingId=3841* and submit a cover letter, CV, research statement, and contact information for three references.

Princeton University is an Equal Opportunity/Affirmative Action Employer and all qualified applicants will receive consideration for employment without regard to age, race, color, religion, sex, sexual orientation, gender identity or expression, national origin, disability status, protected veteran status, or any other characteristic protected by law. *EEO IS THE LAW*

Requisition No: D-18-COS-00002

Princeton University

Postdoctoral Research Associate in Theoretical Computer Science

The Department of Computer Science at Princeton University is seeking applications for postdoctoral or more senior research positions in theoretical computer science and theoretical machine learning. Positions are for one year starting in September 2018 with the possibility of renewal contingent upon satisfactory performance and continued funding. Candidates must have a PhD in Computer Science or a related field.

For full consideration, we recommend that candidates apply (including letters of recommendation) by December 1, 2017, though we will continue to review applications past that date.

Applicants must apply to: *https://www.princeton.edu/acad-positions/position/3741* and submit a cover letter, CV, research statement, and contact information for three references.

This position is subject to the University's background check policy.

Princeton University is an Equal Opportunity/Affirmative Action Employer and all qualified applicants will receive consideration for employment without regard to age, race, color, religion, sex, sexual orientation, gender identity or expression, national origin, disability status, protected veteran status, or any other characteristic protected by law. *EEO IS THE LAW*

Requisition No: D-18-COS-00001

Princeton University

Faculty Positions Available

The Lewis-Sigler Institute for Integrative Genomics (LSI) at Princeton University invites applications for tenure-track faculty positions at the Assistant Professor level; in exceptional cases, more senior appointments may be considered. We are seeking outstanding computational and experimental scientists with strong accomplishments in quantitative or systems-level approaches to the different disciplines and fields represented by LSI faculty, including computational genomics, population genomics, metabolomics, and other –omics technologies, biophysics, aging, subcellular assembly, developmental patterning, and quantitative imaging.

The LSI is housed in the Carl Icahn Laboratory at Princeton University. It was established to innovate in research and teaching at the interface of modern biology and the more quantitative sciences. The Institute provides significant support to its faculty through heavy investment in state-of-the-art research infrastructure, an NIH-funded graduate training program, and a high level of administrative support.

Faculty positions are jointly appointed in one of the following academic departments at Princeton: Physics, Chemistry, Molecular Biology, Ecology and Evolutionary Biology, Chemical and Biological Engineering, or Computer Science. These joint faculty positions offer significant benefits in terms of infrastructure, research funds, and collaborative opportunities, as well as an opportunity to interact with unusually able and interdisciplinary students. The successful candidate will have research laboratories in the LSI, and teaching responsibilities (both graduate and undergraduate) will be shared with the home department.

Essential Qualifications

All applicants must have a Ph.D., M.D., or equivalent degree. In addition, applicants must have a strong record of research productivity, demonstrate the ability to develop a rigorous research program, and be committed to teaching at both the undergraduate and graduate levels.

How to Apply

Applications must be submitted online at: *https://www.princeton.edu/acad-positions/position/3121* and should include a cover letter, curriculum vitae that includes a list of publications, a concise 1-2 page

research vision statement, as well as contact information for three references.

Applications will be reviewed beginning on November 15, 2017, and will continue until the position is filled.

Princeton University is an Equal Opportunity/Affirmative Action Employer and all qualified applicants will receive consideration for employment without regard to age, race, color, religion, sex, sexual orientation, gender identity or expression, 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.

Purdue University

Tenure-Track/Tenured Faculty Positions

The Department of Computer Science at Purdue University is in a phase of significant growth. Applications are being solicited for nine 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 in September 2017, and will continue until the positions are filled.

The Department of Computer Science offers a stimulating academic environment. 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 a related discipline, have demonstrated excellence in research, and strong commitment to teaching. 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. Purdue University's Department of Computer Science is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity, and inclusion. 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 in this position.

Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.

Rhodes College

The Department of Mathematics and Computer Science at Rhodes College invites applications for a tenure-track position as an assistant professor of computer science beginning in August 2018.

Please visit *https://jobs.rhodes.edu/postings/2302* for more information.

Rice University

Tenure-Track Faculty Positions

The Department of Computer Science at Rice University invites applications for multiple positions at the rank of tenure-track Assistant Professor. Strong applicants in all areas of computer science are encouraged to apply. 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, and teaching loads are low for tenure-track faculty to accommodate time for research. The positions will start in July 2018. 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, 2018. As part of its new Data Science Initiative, Rice University is conducting an independent search for data science candidates (see *http://datascience.rice.edu* for details). It is recommended that any applicant whose background overlaps with the CS search and the Data Science search apply to both searches.

Please submit a CV, a research statement, a statement of teaching interests, and the names and addresses of at least three references through the RiceWorks portal (*https://jobs.rice.edu/postings/11868*). The application deadline for these positions is December 31, 2017, but late applications may still be considered at the discretion of the faculty search committee. More information can be found on our website, *http://www.cs.rice.edu*.

Rice University is a private university with a strong reputation for academic and research excellence. Rice is located in Houston, Texas and attracts outstanding undergraduate and graduate students from across the nation and around the world. As the fourth-largest city in the USA, Houston is a cosmopolitan destination with a vibrant economy and world-class performing arts, museums, sports, and dining venues that are all located in close proximity to Rice. Rice University is an Equal Opportunity Employer (Females/Minorities/Veterans/Disabled/Sexual Orientation/Gender Identity).

Rochester Institute of Technology

Tenure-track Assistant Professor and Non Tenure-track Positions

The Department of Computer Science (*http://cs.rit.edu*) is in a period of growth. The department invites applications from exceptional candidates to fill the following positions.

(1) Two tenure-track assistant professor positions in all areas of computer science that strengthen our department (#3444 BR)

(2) One tenure-track assistant professor position in the area of cybersecurity, including cryptography (#3442 BR)

(3) One non-tenure track teaching position (#3445 BR)

Candidates for the tenure-track positions are expected to have strong commitment to research, doctoral student mentoring, and teaching at the undergraduate and graduate levels. Candidates for the non tenure-track position are expected to have a strong commitment to teaching. Interested applicants should visit *http://careers.rit.edu/faculty* and refer to the BR number listed above for specific information about the position and the application process. Candidates are encouraged to apply by January 1, 2018.

The computer science department's student-centered programs are home to over 1,200 students pursuing BS, MS, BS/MS, and PhD degrees. Student employment rates upon graduation are over 98%, often with leading technology companies. The department's innovative problem-based introductory programming sequence has been continuously revised and updated, in part through research projects funded by the National Science Foundation (NSF). In recent years, the department's research presence has increased significantly while maintaining commitment to excellence in student instruction. Students at all levels participate in research projects, including through NSF-sponsored undergraduate research programs. The department is housed in the B. Thomas Golisano College of Computing and Information Sciences (*http://gccis.rit.edu*), the largest of RIT's nine colleges. With over 4,500 enrolled students, the college provides many opportunities for research collaborations within and beyond the college.

RIT offers a rich array of degree programs in engineering, science, business, and the arts, and is home to the National Technical Institute for the Deaf. RIT has been honored by The Chronicle of Higher Education as one of the "Great Colleges to Work For" for four years. RIT is a National Science Foundation ADVANCE Institutional Transformation site. RIT is responsive to the needs of dual-career couples by our membership in the Upstate NY HERC. 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 orientation, gender identity, gender expression, national origin, veteran status or disability in its hiring, admissions, educational programs and activities. RIT provides reasonable accommodations to applicants with disabilities under the Rehabilitation Act, the Americans with Disabilities Act, the New York Human Rights Law, or similar applicable law.

Rollins College

Assistant Professor, Computer Science

The Department of Mathematics and Computer Science at Rollins College invites applications for a computer science position at the assistant level, beginning in August 2018.

Our small, dynamic department is looking for a colleague who is excited about teaching and mentoring at a liberal arts college. The successful applicant should be able to teach a variety of computer science courses, ranging from introductory level to advanced undergraduate, and show an interest in developing courses

that serve other majors and our college's general education program. We are looking for a candidate who is passionate about encouraging women and people in other underrepresented groups to pursue computer science. Ph. D in computer science.

Our students and alumni can be found doing internships at NASA, Homeland Security, and at Los Alamos National Laboratories; in graduate school at The University of California-Irvine, Notre Dame University, and The University of Central Florida; and employed at Git Hub, Amazon, and Microsoft. Current students have won a Google Ignite grant and are teaching programming to elementary age students. Others teamed up with Tesla-Solar City to organize a meet-up for creating applications and devices devoted to sustainability issues.

Our new colleague will be expected to establish a record of scholarly activity. The department encourages student-faculty collaboration and commitment to involvement with student groups, campus activities, and department and college decision making.

Through its mission to create global citizens, Rollins College is firmly committed to creating a just community that embraces diversity and inclusion; persons from historically under-represented minority groups are encouraged to apply. All candidates should be prepared to address (in the online application and throughout the interview process) their ability to contribute to and sustain a diverse and inclusive environment through teaching, scholarship, and service.

Rollins College is a comprehensive, liberal arts college located just north of Orlando, FL, a diverse metropolitan community with a thriving economic and cultural scene. Nearby, Orlando International Airport provides easy access to U.S. and international destinations. The College emphasizes innovative and quality teaching in small classes, and ranks number one among 121 Southern master's-level universities in the annual rankings of "America's Best Colleges," released by U.S. News & World Report. Please visit the College website at *www.rollins.edu*.

Interested candidates must apply online through the Rollins College employment website and upload the following materials:

- Curriculum vita
- Statement of teaching philosophy
- Statement of research interest
- List of three references

Apply Link: *http://jobs.rollins.edu/cw/en-us/job/492629/assistant-professor-computer-science*

Questions may be directed to:
Julie R. Carrington, PhD
JCARRINGTON@rollins.edu

Review of applications will begin on November 1, 2017.

Rutgers University

Tenure Track Faculty

The Computer Science Department at Rutgers University invites applications for multiple tenure-track and multiple teaching positions across all areas of Computer Science. The appointments will start September 2018. More information and instructions for applying can be found at: *http://www.cs.rutgers.edu/employment/*. Applications received by January 12, 2018 will be given priority.

Rutgers subscribes to academic diversity and encourages applications from individuals with varied experiences and backgrounds. Women, minorities, dual-career couples, and persons with disabilities are encouraged to apply. Rutgers is an affirmative action/equal opportunity employer.

Rutgers University-Newark

Assistant/Associate Professor

Rutgers University-Newark (RU-N) has an open Assistant or Associate Professor position in Computer Science/Data Science. We seek applicants with exceptional interdisciplinary research programs focusing on computational methods in machine learning or mathematical modeling of complex data sets.

This hire is part of the unit's larger effort to establish and augment its interdisciplinary computer science capabilities. We have access to state-of-the-art computational resources including the Rutgers-wide Amarel high-performance computing environment, and a newly renovated lab overlooking downtown Newark and New York City. We are a short (20 minute) train ride from New York City with easy access to universities in New York and New Jersey, and benefit from the area's strong technology environment.

Slippery Rock University of Pennsylvania

Computer Science Assistant Professor

Position Summary
Slippery Rock University of Pennsylvania invites applications for an Assistant Professor in the Computer Science Department beginning August 2018. The Computer Science Department at Slippery Rock University offers a BS in Computing with tracks in Information Technology, Computer Science, and Cyber Security. Excellence in the education of undergraduate students is the primary focus of the position. Although teaching assignments will include core courses and all three tracks, the primary focus is the Information Technology track which teaches advanced web graphics, client and server side scripting, and current web technologies. Duties include committee work at departmental, college, and university levels, research that may involve undergraduate students, academic advising, scholarly activities, and other duties as assigned.

Minimum Qualifications
Ph.D. in Computer Science or closely related field at time of employment. Successful performance in an on-campus interview, including a teaching demonstration. Perceived ability to teach intermediate and advanced Information Technology track courses and the perceived ability to work productively with students and colleagues is required. Commitment to the education of diverse populations.

Preferred Qualifications
Preference will be given to candidates whose experience provides evidence of the ability to teach core computing classes, advanced web and interactive computer graphics, the development and implementation of user interfaces for the web, and server side scripting.

Preference will also be given to candidates demonstrating familiarity with instructional technology in the teaching-learning process, and the role of faculty in student success, recruitment, and retention.

Open Until Filled: Yes

To apply, visit **http://apptrkr.com/1089120**

Special Instructions to Applicants
Graduate and undergraduate transcripts are required for this position. Applicants may either upload copies using the "Transcripts" selection under documents or mail them to:

Hongbo Zhou, Search Chair
Computer Science Department
ATS Building
Slippery Rock University
Slippery Rock, PA 16057

Official transcripts are required prior to appointment. Full consideration will be given to applications received by January 16, 2018. Recommended candidates will be required to complete criminal background check, including Act 34 Background Check and Act 151 (Child Abuse) Background Check and Federal Criminal (FBI) clearance prior to appointment.

Respect for Individuals in the Community
Slippery Rock University provides an environment that respects, encourages, and promotes the talents and contributions of all. Slippery Rock University values a community with a shared sense of purpose, where people demonstrate mutual respect and appreciation. Slippery Rock University values diversity that honors and includes all persons regardless of age, creed, disability, ethnic heritage, gender, gender identity, race, religion, sexual orientation, or socioeconomic status in academic and extracurricular endeavor, in the working environment, and in the daily life of the university community.

Slippery Rock University is committed to a policy of affirmative action. Slippery Rock University assures an equal opportunity to all persons without regard to race, color, religion, creed, disability, ancestry, national origin, age, gender or veteran's status in accordance with state and federal laws, including Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972 and Section 504 of the Rehabilitation Act of 1973.

Applicants should hold a Ph.D. in Computer Science, Computational Statistics, or a related field and be capable of teaching courses in Computer Science and Data Science. Please submit applications by November 1st, 2017 to ensure full consideration.

For complete job description, requirements, and application instructions visit *https://jobs.rutgers.edu/postings/52021*

Ryerson University

Three Tenure-Track Assistant Professors in Computer Science

The **Department of Computer Science at Ryerson University, Toronto, Canada** has three full-time tenure track position openings at the Assistant Professor level. Our priority hiring areas are machine learning, software engineering, security, and distributed systems. Exceptional candidates in other areas of Computer Science may also be considered. We are interested in candidates that complement our existing research strengths, and create new research opportunities with high impact in emerging research areas.

Candidates must hold an earned doctorate in Computer Science or a related field by the appointment date. Candidates must have a strong research profile as demonstrated by relevant and recent contributions in top ranked conferences and journals, presentations at significant conferences, and awards. **Review of the applications will commence on December 15, 2017**, but later submissions may be considered until the positions have been filled.

Full details can be found at: *https://hr.cf.ryerson.ca/ams/faculty/preview.cfm?posting_id=510677*

San Francisco State University

Assistant/Associate Professor in Computer Science

San Francisco State University, Department of Computer Science seeks applicants for two tenure-track Assistant or Associate Professor positions in database, data analytics/big data, social networking/collaboration, and computer science education; applicants in other areas also encouraged. Position starts August 2018. Ph.D. or equivalent degree in Computer Science or related discipline required. Salary commensurate with qualifications. CS faculty balance teaching and research; collaborate with major universities (UCSF, Stanford etc) on projects funded by NSF, NIH, etc; and are devoted to broadening participation in computing.

Full position description available at *http://bit.ly/2f0tqzC*. SF State serves a diverse student body with a mission to promote scholarship, diversity, instructional excellence and intellectual accomplishment. Our goal is to attract a world-class and diverse faculty committed to build a multicultural educational environment. Faculty are expected to

be effective teachers, demonstrate professional achievement and growth through research, publications and/or creative activities, and engage in service to the campus and community.

Review of applications will continue until 12/1/2017 or until the position is filled.

Submit letter of interest, CV, representative publications, teaching statement, research statement, contact information of three references, and letters of reference to *https://academicjobsonline.org/ajo/jobs/9924*.

Sandia National Laboratories

2018 John von Neumann Postdoctoral Research Fellowship in Computational Science

Sandia National Laboratories' Center for Computing Research (NM) and the Computer Sciences and Information Systems Center (CA) are now accepting applications for the 2018 John von Neumann Postdoctoral Research Fellowship in Computational Science. This prestigious post-doctoral fellowship is supported by the Applied Mathematics Research Program in the U.S. Department of Energy's Office of Advanced Scientific Computing Research.

The John von Neumann Fellowship provides an exceptional opportunity for innovative research in computational mathematics and scientific computing on advanced computing architectures with application to a broad range of science and engineering problems of national importance. This appointment is for one year, with a possible renewal for a second year, and includes a highly competitive salary, moving expenses and a generous professional travel allowance.

Applications will be accepted through December 1, 2017.

To apply, visit *sandia.gov/careers* and search for job #658553.

Simon Fraser University

Tenure-track Faculty Positions

The School of Computing Science at Simon Fraser University invites applications for tenure-track faculty. We have multiple openings and will consider applications at all ranks, including assistant, associate, and full professor. Excellent candidates in all areas of computer science are encouraged to apply.

A successful candidate will be expected to lead a team of graduate students in research and teach courses at the undergraduate and graduate levels. Candidates are expected to demonstrate excellence in research. A record of, or potential for (in the case of a junior candidate), high-quality graduate student supervision, and teaching at the undergraduate and graduate levels is expected. A Ph.D. in computer science or related area is required by the start of the appointment. 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.

Exceptional candidates may be invited to apply for a Tier 2 Canada Research Chair. Details about this program can be found at *http://www.chairs.gc.ca*. Canada Research Chairs are subject to review and final approval by the CRC Secretariat.

Simon Fraser University is located in metropolitan Vancouver, one of the most livable cities in the world. The School of Computing Science has consistently ranked among the top computer science departments in Canada and internationally. The School currently has 52 faculty members, approximately 250 Ph.D. and M.Sc. students, and more than1800 undergraduate majors.

Review of applications will commence December 1, 2017. The positions are subject to availability of funding and approval by the SFU Board of Governors.

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

https://confs.precisionconference.com/~faculty17a

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

Smith College

Assistant Professor Positions in Computer Science

The Department of Computer Science at Smith College invites applications for one, possibly more open-field, tenure-track Assistant Professor positions in computer science, to begin July 2018. Candidates with demonstrated excellence in teaching, an active research program, and ability to work with and inspire diverse student populations encouraged to apply. Ph.D. expected by time of appointment.For more information and to apply, visit *http://apply.interfolio.com/44360*. Review will begin on October 15, 2017. EO/AA/Vet/Disability Employer.

Stanford University

Department of Computer Science Faculty Openings

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

We are seeking applicants from all areas of Computer Science, spanning theoretical foundations, systems, software, and applications. We are also interested in applicants doing research at the frontiers of Computer Science with other disciplines, including but certainly not limited to those in the engineering, mathematical, medical, physical, and social sciences. Junior applicants must have completed (or be completing) a Ph.D., must have demonstrated the ability to pursue a program of research, and must have a strong commitment to graduate and undergraduate teaching. A successful candidate will be expected to teach courses at the graduate and undergraduate levels, and to build and lead a team of graduate students in Ph.D. research. Further information about the Computer Science Department can be found at *http://cs.stanford.edu*. The School of Engineering website may be found at *http://soe.stanford.edu*.

Application Requirements:

- All applications should include a curriculum vita, list of publications, and brief statements of research and teaching interests.
- Applicants for Assistant rank positions should submit the names and contact information of at least four references.
- Applicants for Associate rank positions should also submit the names and contact information of at least four references. We will request letters of recommendation for a short list of finalists only.

Please apply online at *https://www.applyweb.com/cgi-bin/app?s=STANFAC*. You will need to create a CollegeNet account if you do not already have one. Questions should be directed to, Search Committee Chair, c/o Laura Kenny-Carlson, via electronic mail to *search@cs.stanford.edu*.

The review of applications will begin on November 17, 2017, and applicants are strongly encouraged to submit complete applications by that date for full consideration; however, applications will continue to be accepted until January 14, 2018.

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

Stevens Institute of Technology

Tenure-Track Faculty Positions in Computer Science

The Department of Computer Science at the Schaefer School of Engineering and Science, Stevens Institute of Technology (Stevens) invites applications for five tenure-track positions at all levels in the areas of Artificial Intelligence, Machine Learning, and Systems; however, exceptional candidates in all areas of Computer Science will be considered. The appointment will preferably begin on August 16, 2018, or later.

Applicants should have earned a Ph.D. in Computer Science or a related discipline in all fields of Computer Science that complements and augments existing expertise in the focus areas of Stevens' strategic plan. Examples of research areas include, but are not limited to, cybersecurity,

machine learning, computer vision, data analytics, programming languages, and bioinformatics. Successful applicants are expected to develop a strong externally funded, globally recognized research program. They should also possess a passion for and be committed to excellence in both graduate and undergraduate education in a highly interdisciplinary, collaborative, diverse, innovative, and entrepreneurial culture at Stevens.

Successful candidates will join a vibrant research environment where faculty research is supported by NSF, NIH, NSA, ONR, DARPA, and other federal and private funding sources. The Department of Computer Science will be the prime occupant of the institute's new $45 million state-of-the-art academic building, which will add 90,000 sq ft of academic and classroom space when completed in July 2019.

Stevens Institute of Technology is a private university located in Hoboken, New Jersey. The 55-acre campus is on the Hudson River across from midtown Manhattan within a few minutes from NYC via public transportation. Stevens' superb location offers excellent opportunities for collaboration with nearby universities, Brookhaven National Laboratory, and major corporate research laboratories. Schaefer School of Engineering and Science is the largest school among four schools at Stevens.

Stevens is an Equal Opportunity Employer that is building a diverse faculty, staff and student body and strongly encourages applications from female and minority candidates as well as veterans and individuals with disabilities. Stevens is an NSF ADVANCE institution committed to equitable practices and policies.

Applications will be accepted until the positions are filled. Applications received by January 15, 2018, will receive full consideration. All applications must be submitted electronically at *https://academicjobsonline.org/ajo/jobs/9953*. Applicants should submit their curriculum vitae, a research plan, teaching interests and philosophy, and at least three reference letters. For any inquiries, please contact the Search Committee Chair, Professor Wendy Wang (*Hui.Wang@stevens.edu*).

Swarthmore College

Computer Science Department
Tenure-Track and Visiting Faculty Positions in Computer Science
Location: Swarthmore, PA 19081

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 2018.

For the tenure-track position, we are interested in applicants whose areas fit broadly into systems (including but not limited to operating systems, security, or high- performance computing) or programming languages. Priority will be given to complete applications received by November 17, 2017.

For the visiting position, strong applicants in any area will be considered. Priority will be given to complete applications received by February 2, 2018.

Applications for both positions will continue to be accepted after these dates until the positions are filled.

The Computer Science Department currently has eight tenure-track faculty and four visiting faculty. Faculty teach introductory courses as well as advanced courses in their research areas. We have grown significantly in both faculty and students in the last five years. Presently, we are one of the most popular majors at the College and expect to have over 70 Computer Science majors graduating this year. Candidates may apply for both positions.

QUALIFICATIONS
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. The strongest candidates will be expected to demonstrate a commitment to creative teaching and an active research program that speaks to and motivates undergraduates from diverse backgrounds.

APPLICATION INSTRUCTIONS
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;

COMPUTER SCIENCE & ENGINEERING
TEXAS A&M UNIVERSITY

Position Title
Assistant, Associate or Full Professor

Texas A&M University– College of Engineering
Texas A&M University is located in the twin cities of Bryan and College Station, TX, with a population of more than 255,500, and is conveniently located in a triangle formed by Dallas, Houston and Austin. Texas A&M has more than 64,000 graduate and undergraduate students enrolled. Research expenditures at Texas A&M total more than $866 million annually, ranking in the top tier of universities nationwide. With an endowment valued at more than $9.7 billion, the university ranks second among U.S. public universities and eighth 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/Faculty-Resources/CURRENTFACULTY/Faculty-Work-Life***. With over 600 faculty members and more than 16,000 students, the 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 14 departments ranked in the Top 10. The college is also ranked 3rd in research expenditures by the American Society for Engineering Education.

Department
Department of Computer Science and Engineering

Department Overview
The Department of Computer Science and Engineering of the College of Engineering at Texas A&M University invites applications for multiple faculty positions, including an endowed chair professor starting fall 2018. 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 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 44 tenured and tenure –track faculty and 13 academic professional 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/PYI awards. More information about the department is available at ***http://www.cse.tamu.edu***.

Job Summary
Open Rank Tenured/Tenure-Track Positions in Computer Science or Computer Engineering: CSE invites applications for multiple tenure-track positions at the assistant, associate and full professor levels. Candidates are being sought in the areas of theory, systems, software, human-centered computing, data science, artificial intelligence, robotics, and computer science education. Applicants doing research in the frontiers of computer science with other disciplines will generate the most interest. 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 an earned doctorate 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***. The selection process will begin immediately. Applications received after that date may be considered until positions are filled. It is anticipated the appointment will begin Fall 2018.

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.

what would be attractive to you about teaching diverse students in a liberal arts college environment; and what background, experience, or interests are likely to make you a strong teacher of Swarthmore College students.

This institution is using Interfolio's Faculty Search to conduct this search.

Applicants to this position receive a free Dossier account and can send all application materials, including confidential letters of recommendation, free of charge. *https://apply.interfolio.com/45234*

Swarthmore College actively seeks and welcomes applications from candidates with exceptional qualifications, particularly those with demonstrable commitments to a more inclusive society and world. Swarthmore College is an Equal Opportunity Employer. Women and minorities are encouraged to apply.

Temple University

Faculty Positions (Assistant/Associate/Full Professor)
Department of Computer and Information Sciences

The Department of Computer and Information Sciences (CIS) at Temple University invites applications for multiple tenure-track faculty positions. Exceptional candidates at all ranks and areas of will be considered. We are particularly interested in data scientists who are developing methods and systems to collect, process, and analyze large amounts of data in both traditional and interdisciplinary areas including computational biology and bioinformatics, human-computer interactions, and computer graphics. Applicants are expected to have an outstanding research track record and are expected to demonstrate excellence in teaching.

Temple University is a Carnegie R1 (highest research activity) institution that serves more than 39,000 students and is placed as No. 53 among public universities by the U.S. News ranking. CIS is among the top 60 computer science departments in the country based on the ARWU Shanghai ranking and among top 75 departments based on publication and citation measures. CIS offers a highly competitive salary and start-up package, low teaching load, and institutional support for an active doctoral program.

Applications should be submitted electronically at *https://academicjobsonline.org/ajo/jobs/10069*. Submitted materials should include curriculum vitae, research statement, teaching statement, and three letters of recommendation (names of referees are sufficient for senior-level candidates). Review of candidates will begin on November 1, 2017 and continue until the positions are filled. Temple University is an affirmative action/equal opportunity employer with a strong commitment to the quality of faculty life.

Texas A&M University

Open Rank Non-Tenure Track Titles

Texas A&M University is located in the twin cities of Bryan and College Station, TX, with a population of more than 255,500, and is conveniently located in a triangle formed by Dallas, Houston and Austin. Texas A&M has more than 64,000 graduate and undergraduate students enrolled. Research expenditures at Texas A&M total more than $866 million annually, ranking in the top tier of universities nationwide. With an endowment valued at more than $9.7 billion, the university ranks second among U.S. public universities and eighth 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/Faculty-Resources/CURRENT-FACULTY/Faculty-Work-Life*. With over 600 faculty members and more than 16,000 students, the 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 14 departments ranked in the Top 10. The college is also ranked 3rd in research expenditures by the American Society for Engineering Education.

The Department of Computer Science and Engineering of the College of Engineering at Texas A&M University invites applications for multiple faculty positions, including an endowed chair professor starting Fall 2018.

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 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 44 tenured and tenure –track faculty and 13 academic professional 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/PYI awards. More information about the department is available at ***http://www.cse.tamu.edu***

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, visiting 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.

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***. The selection process will begin immediately. Applications may be considered until positions are filled. It is anticipated the appointment will begin Spring 2018 or Fall 2018.

EEOC Statement – The Texas A&M System is an Equal Opportunity/Affirmative Action/Veterans/Disability Employer 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 Christian University

Department of Computer Science
Assistant Professor Faculty Positions

The Department of Computer Science at Texas Christian University (TCU - ***https://computerscience.tcu.edu***) invites applications for two tenure-track assistant professor positions beginning Fall 2018. Applicants should have an earned Ph.D. in Computer Science or closely related field from an accredited institution, must have excellent verbal and written communication skills, and a strong commitment to both teaching and research.

Qualified applications are invited from candidates with specializations in the following areas: data analytics, database systems, software engineering, computer security, mobile computing, cloud computing, programming languages, and machine intelligence. Candidates having specialization in data analytics are preferred for one of the positions.

Applicants for either position will be expected to teach a wide variety of courses at the undergraduate level and should be willing to supervise undergraduate research projects. Responsibilities include teaching undergraduate computing courses in the Department's programs in Computer Science (COSC) and Computer Information Technology (CITE) and advising and mentoring majors; conducting research and engagement in scholarship in the applicant's area of specialization. Salary is commensurate with qualifications and experience.

TCU uses an online application protocol administered by Human Resources. All application materials: cover letter, *curriculum vitae*, representative publications, detailed research plans, a statement of teaching philosophy and interests must be submitted electronically at *https://tcu.igreentree.com/CSS_Faculty/CSSPage_Welcome.asp*.

Three confidential letters of recommendation should be emailed directly from the reviewer or dossier service to: *hrtalentacquisition@tcu.edu*. Do not send documents directly to the Department.

Review of applications will begin immediately and continue until both positions are filled.

TCU (*www.tcu.edu*) is a private, coeducational university within easy reach of many centers of business and research located in the Dallas-Fort Worth Metroplex (DFW). As an AA/EEO employer, TCU recruits, hires, and promotes qualified persons in all job classifications without regard to age, race, color, religion, sex, sexual orientation, gender, gender identity, gender expression, national origin, ethnic origin, disability, genetic information, covered veteran status, or any other basis protected by law.

Texas State University

Computer Science Assistant Professor and Senior Lecturer

The Department of Computer Science invites applications for three faculty positions:

1. Two tenure-track Assistant Professor positions to start on September 1, 2018. Review date is January 8, 2018. We are seeking candidates to complement and enhance our research in data analytics, human-computer interactions, artificial intelligence, computer security and networks, high-performance computing and software engineering. Outstanding candidates in other areas will also be considered. Job duties include conducting research that results in refereed publications and external funding, teaching effectively at the graduate and undergraduate levels, supervising student research, and serving at the department, college, university, and professional levels.
2. One non-tenure track Senior Lecturer position to start on January 16, 2018. Review date is October 15, 2017. The candidate is expected to teach a variety of courses primarily at the undergraduate level and serve at the department, college, and university levels. This non-tenure-line, nine-month faculty position will have a contract term not to exceed five years, subject to annual reappointment review, and renewable upon expiration of the initial term. As a non-tenure line faculty member, the candidate is not expected to engage in research, external funding, or publications. However, collaborative participation with colleagues in such activities as well as service, curriculum initiatives, and conducting learning outcomes assessment, can be considered in the annual evaluation.

Consult the department's page at *www.cs.txstate.edu/employment/faculty/* for required and preferred qualifications, application procedures, and information about the university and the department.

Texas State University is committed to an inclusive education and work environment that provides equal opportunity and access to all qualified persons. Texas State, to the extent not in conflict with federal or state law, prohibits discrimination or harassment on the basis of race, color, national origin, age, sex, religion, disability, veterans' status, sexual orientation, gender identity or expression. Texas State University is a member of The Texas State University System. Texas State University is an EOE.

TTI-Chicago

Research and Tenure-track Faculty Positions

TTI-Chicago invites applications for the following faculty positions in computer science:

- endowed three-year research assistant professor
- tenure-track assistant professor
- full or associate (tenured) professor
- visiting professor

While we welcome applications from many areas of computer science, we will give preference to candidates working in:

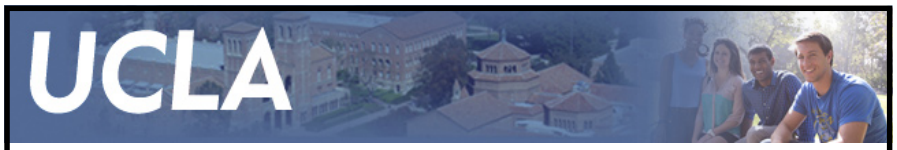
- theory
- machine learning
- computer vision
- natural language processing and speech
- robotics
- computational biology

About TTI-Chicago

TTI-Chicago is a philanthropically endowed academic institute dedicated to fundamental research and graduate education in computer science. In addition to producing cutting-edge research — TTI-Chicago faculty are routinely published at top conferences and recognized with distinctions, such as Sloan Research Fellowships, NSF Career Awards, and Best Paper Awards — TTI-Chicago offers world-class graduate education. At the same time, TTI-Chicago faculty members enjoy a uniquely light teaching load, which helps them focus on their research. TTI-Chicago research assistant professor alumni have an excellent employment track record (*http://www.ttic.edu/faculty-alumni/*).

Located on the University of Chicago campus, TTI-Chicago has strong ties to the University. Moreover, TTI-Chicago faculty members frequently collaborate with colleagues from leading academic institutions, including the top neighboring universities. TTI-Chicago supports travel and visitor hosting through annual research funds for research and tenured faculty, and start-up packages for tenure-track faculty. In addition to having access to TTI-Chicago's excellent computing infrastructure, faculty members have access to many of the University of Chicago's state-of-the-art facilities.

TTI-Chicago's faculty and students enjoy the close proximity of a vibrant urban environment with flourishing culture, business, and entertainment scenes.



Tenure Track Faculty, Computer Science

Description

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. 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 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.

Qualifications

Applications are also encouraged from distinguished candidates at senior levels. Candidates must have a Ph.D to fulfill the basic qualification requirement.

Compensation/Benefits

Salary is commensurate with education and experience

How to apply

To apply, please visit **http://apptrkr.com/1099904**. Because of internal deadlines we encourage early applications. Only applications received by December 15, 2017 can be guaranteed full consideration.

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.

We invite candidates with an outstanding academic record and a passion for computer science research to join our world-class team of 11 tenured/tenure-track faculty and8 research faculty members.

Teaching Requirements
Tenure-track faculty teach one quarter per year. Research faculty have no teaching duties, but have the opportunity to teach and co-advise students.

TTI-Chicago/Simons-Berkeley Joint Program
Applicants for research assistant professor (RAP) positions in theoretical computer science are encouraged to simultaneously apply for the TTI-Chicago RAP program and the Simons-Berkeley Research Fellowship. Applicants selected by both institutions will be able to spend a semester at the Simons Institute before joining TTI-Chicago. Applicants selected only by TTI-Chicago will be offered a regular RAP position. Please note that applicants interested in the joint program must submit separate applications to TTI-Chicago and the Simons Institute.

Timeline
We will start reviewing applications on December 1, 2017, and will continue until the positions are filled. Applicants interested in the joint program with the Simons Institute are encouraged to apply by December 1, 2017.

Application Requirements
1. curriculum vitae

2. research statement

3. teaching statement (optionally)

4. names and contact information of at least three references

If interested in the joint program, please also check the Simons-Berkeley Fellowship requirements (*https://simons.berkeley.edu/programs/fellows*).

Where to Apply
http://ttic.edu/faculty-hiring.php

Questions
recruiting@ttic.edu

TTI-Chicago is an equal opportunity employer.

Tufts University

Assistant Professor in Computer Engineering

The Department of Electrical and Computer Engineering at Tufts University invites applications for a tenure-track faculty position in Computer Engineering to begin in September 2018. We are seeking candidates at the rank of Assistant Professor, but exceptional candidates at the rank of Associate or Full Professor will also be considered. Candidates are sought primarily in the area of Computer Engineering or a closely related field with expertise in areas including, but not limited to, security, embedded and real-time systems, computer architecture, and computer systems. The successful candidate will join an active department that offers B.S., M.S., and Ph.D. programs, and thus must demonstrate excellence in teaching as well as the potential to develop an internationally recognized research program. The Electrical and Computer Engineering has grown significantly in the past fifteen years. Located in the Boston area, the department benefits from outstanding undergraduate and graduate students, collaborative faculty, and cross-disciplinary research opportunities. Tufts' School of Engineering (SOE) distinguishes itself by the interdisciplinary focus and integrative nature of its engineering education and research programs.

Full details see *http://engineering.tufts.edu/ece/about/opportunities.htm.*
The online application can be found at: *https://apply.interfolio.com/43719*

Review of applications will begin on December 15th 2017.

Tufts University is an Equal Opportunity/Affirmative Action Employer. We are committed to increasing the diversity of our faculty and staff and fostering their success when hired. Members of underrepresented groups are welcome and strongly encouraged to apply.

If you are an applicant with a disability who is unable to use our online tools to search and apply for jobs, please contact us by calling Johny Laine in the Office of Equal Opportunity (OEO) at 617.627.3298 or at *Johny.Laine@tufts.edu*.

Applicants can learn more about requesting reasonable accommodations at *http://oeo.tufts.edu.*

UL Lafayette

Faculty Positions at All Levels in

Computing and Informatics

The School of Computing and Informatics (*cmix.louisiana.edu/*) at the University of Louisiana at Lafayette currently has 32 faculty members with specialties in all major branches of computer science, computer engineering, and information systems. The School offers B.S. degrees in computer science and informatics in the Computer Science and Informatics Programs respectively; M.S. degrees in computer science, computer engineering and informatics; and Ph.D. degrees in computer science and computer engineering, in the Center of Advanced Computer Studies (CACS). CACS is the research arm of the School, and is one of the best-ranked research programs in the US. The NSF I/UCRC Center for Visual and Decision Informatics (CVDI) led by CACS faculty in the School is the only such NSF Center in the nation that focuses on data science, big data analytics, and visual analytics. The CVDI is poised to become the largest center of its kind in the U.S. after receiving approval for a second round of National Science Foundation funding in March 2017. We are recruiting up-to-4 tenure-track and tenured lines this year.

Located midway between New Orleans and Houston, Lafayette is the heart of Louisiana's Acadian-Creole region. The city of over 122,000 is part of the Lafayette-Acadiana area with a total population of 550,000, and is one of Louisiana's fastest-growing metropolitans. Lafayette serves as the base of Louisiana's offshore oil industry, as well as the financial, retail, and medical center for South-Central Louisiana.

For consideration, please apply at *https://academicjobsonline.org/ajo/UL/CMIX* with requested information items for each respective position. The review process will begin on November 16, 2017 and continue until positions are filled.

UMASS Amherst

Lecturer – Information & Computer Sciences

The College of Information and Computer Sciences (CICS) of the University of Massachusetts at Amherst is looking to fill multiple Lecturer openings. For a complete position announcement including minimum qualifications and application instructions, please see *http://umass.interviewexchange.com/jobofferdetails.jsp?JOBID=90455*

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.

UMass Amherst

Assistant Professor – Security & Privacy

The College of Information and Computer Sciences (CICS) at the University of Massachusetts Amherst (UMass Amherst) invites applications for a tenure-track faculty position at the Assistant Professor level in the area of Security and/or Privacy.

Applicants must have a Ph.D. in Computer Science or a related area, and should show evidence of exceptional research promise. Review of applications will begin December 15, 2017 and may continue until a suitable candidate pool has been identified. Using the link below, all applicants should submit a cover letter, curriculum vitae, research statement, and statement of teaching interests, along with the names and contact information for three references and links to two papers that best represent their research/experience.

https://umass.interviewexchange.com/jobofferdetails.jsp?JOBID=89660&CNTRNO=0&TSTMP=1506015433265

UMass 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.

UMass Amherst

Associate Professor – Information Access/HCI/Social Computing

The College of Information and Computer Sciences (CICS) at the University of Massachusetts Amherst (UMass Amherst) invites applications for a tenure-track faculty position at the Associate Professor level in the broad area of information retrieval, digital libraries, human-computer interaction, or social computing. Applicants must have a Ph.D. in Computer Science or a related area, and should show evidence of exceptional research promise. Review of applications will begin December 1, 2017 and may continue until a suitable candidate pool has been identified. Applicants should submit a cover letter, a curriculum vitae,

research statement, statement of teaching interests, and the names and contact information for three references, using the submission link specific to the position.

Applicants should submit a cover letter, a curriculum vitae, research statement, statement of teaching interests, and the names and contact information for three references, using the submission link specific to the position.

Associate Professor iSchool

UMass 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.

Universidad del Rosario

Assistant Professor

The Department of Applied Mathematics and Computer Science at Universidad del Rosario in Bogotá -Colombia- is opening three Assistant Professor positions in Applied Mathematics and/or Computer Science. Successful candidates should hold a Ph.D. degree in Applied Mathematics, in Computer Science or related fields, have teaching experience, and conduct research in one or more of the following fields:

Artificial Intelligence, Machine Learning, Data Science, Computational Geometry, Computer Graphics.

Please visit: *http://www.urosario.edu.co/Open-Positions-Department-Applied-Math/* for more information.

University at Buffalo

Teaching Assistant Professor/Lecturer

The Department of Computer Science and Engineering (CSE), University at Buffalo invites candidates to apply for non-tenure track Lecturer 10 mo. positions. We invite candidates from all areas of computer science and computer engineering who have a passion for teaching to apply. We are particularly looking for candidates who can operate effectively in a diverse community of students and faculty and share our vision of helping all constituents reach their potential.

Duties include teaching and development of undergraduate computer science and computer engineering courses (with an emphasis on lower division), advising undergraduate students, as well as participation in department and university governance (service). Contribution to research is encouraged. The Department of Computer Science and Engineering is housed in a new $75M building and offers both BA and BS degrees in Computer Science and a BS in Computer Engineering (accredited by ABET) as well as MS and PhD programs. The department has 8 teaching faculty among our 50 full-time faculty, and approximately 1,000 undergraduate majors, 450 masters' students, and 160 PhD students. Over the last five years we rapidly grown our numbers of career oriented teaching faculty, with five new hires joining 3 who each have over fifteen years of experience at the University. Our faculty members are actively involved in cutting-edge research and successful interdisciplinary programs and centers devoted to biometrics; bioinformatics; biomedical computing; computational and data science and engineering, document analysis and recognition; high performance computing; information assurance and cyber security; embedded, networked and distributed systems, and sustainable transportation. In 2016, our annual research expenditure exceeded $5 million and the total amount of new awards exceeded $12 million.

The University at Buffalo (UB) is the largest and most comprehensive public university within the State of New York with approximately 20,000 undergraduate students and 10,000 graduate students. One of the most recent investments of the University is the establishment of RENEW, a multidisciplinary institute for Research and Education in eNergy, Environment and Water, which provides CSE faculty and students many opportunities for collaboration.

Salary range of the position is $72,000 – $81,600.

Applicants should have a PhD degree in computer science, computer engineering, or a related field. Exceptional applicants with a MS degree will also be considered. The ability to teach at all levels of the undergraduate curriculum is essential, as is potential for excellent in teaching, mentoring, service, and research. A background in computer science and computer engineering education, a commitment to K-12 outreach, and addressing the recruitment and retention of underrepresented students are definite assets.

For full consideration all applicants must apply at:

www.ubjobs.buffalo.edu

Quick link *http://www.ubjobs.buffalo.edu/postings/11808*

University at Buffalo

Assistant, Associate, or Full Professor

The Department of Computer Science and Engineering, University at Buffalo invites candidates to apply for multiple tenured and tenure-track faculty positions. Candidates at all ranks from all areas of computer science and engineering, including but not limited to areas covered by existing faculty strength such as Algorithms, Big Data, Cyber Security, Cyber Physical Systems (or Internet of Things), Databases, Distributed Systems, Embedded Systems, Machine Learning, Mobile Computing, Multimedia, Pattern Recognition, Robotics, and Theory. We are looking for candidates who can operate effectively in a diverse community of students and faculty and share our vision of keeping all constituents reach their potential.

The Department of Computer Science and Engineering Department is housed in a new $75M building, and as a part of the School of Engineering and Applied Sciences, the Computer Science and Engineering department offers both BA and BS degrees in Computer Science and a BS in Computer Engineering (accredited by ABET) as well as MS and PhD programs.

The department has over 40 tenured/tenure-track faculty, 7 teaching faculty, and approximately 1,000 undergraduate majors, 450 masters' students, and 160 PhD students. About twenty junior faculty have been hired since 2010, and we are continuing to expand. Two members of our faculty currently hold key university leadership positions and seven members of our faculty are IEEE and/or ACM Fellows. Our faculty members are actively involved in cutting-edge research and successful interdisciplinary programs and centers devoted to biometrics; bioinformatics; biomedical computing; computational and data science and engineering, document analysis and recognition; high performance computing; information assurance and cyber security; embedded, networked and distributed systems, and sustainable transportation. In 2016, our annual research expenditure exceeded $5 million and the total amount of new awards exceeded $12 million. The University at Buffalo (UB) is the largest and most comprehensive public university within the State of New York with approximately 20,000 undergraduate

The University of California, Berkeley invites applications for approved tenure and tenure-track positions in **Electrical Engineering and Computer Sciences** at the **Assistant, Associate, and Full Professor** level. Rank will be determined based on qualifications and experience. The expected start date for this position is July 1, 2018.

For more information about the position, including required qualifications and application materials, please select based on rank:

Tenure-Track applicants (including current Assistant Professors), go to URL: http://apptrkr.com/1104751

Tenured applicants (current tenured Associate and Full Professors), go to URL: https://aprecruit.berkeley.edu/apply/JPF01513

The deadline to apply is January 5, 2018. For questions, please contact the Search Committee Chair at eecs-faculty-recruiting@eecs.berkeley.edu.

UC Berkeley is an AA/EEO employer.

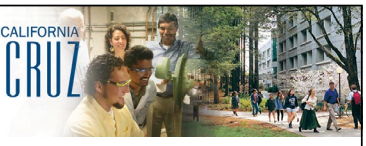
School of Public Health
Assistant Professor of Public Health Data Science and/or Health Information Technology

Berkeley
UNIVERSITY OF CALIFORNIA

The School of Public Health at the University of California, Berkeley is recruiting for an Assistant Professor in the area of Public Health Data Science and/or Health Information Technology, with an expected start date of July 1, 2018. For more information about the position, including required qualifications and application materials, go to **http://apptrkr.com/1083348**

Applications must be received electronically by December 1, 2017; for fullest consideration apply by November 1, 2017 when application review will begin. For questions please contact Julie Niedermayr at jln@berkeley.edu. *UC Berkeley is an AA/EEO employer.*

UNIVERSITY OF CALIFORNIA SANTA CRUZ



Computer Science: Assistant Professor: Data Science (Open Until Filled; Initial Review 12/04/17)

Recruitment Period

Open date: September 15th, 2017 Next review date: December 4th, 2017

Apply by this date to ensure full consideration by the committee.
Final date: June 30th, 2018

Description
The Department of Computer Science at the University of California, Santa Cruz invites applications for a tenure track (Assistant Professor) position in Data Science. We seek outstanding applicants who have demonstrated research and teaching expertise in at least one area in data science, broadly conceived, such as machine learning, data integration, data visualization, large-scale optimization, information extraction, information retrieval, deep learning, reinforcement learning, information visualization, or visual analytics. The new faculty member in this position is 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 to 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.

RANK: Assistant Professor

SALARY: Commensurate with qualifications and experience; academic year (9-month) basis

BASIC QUALIFICATIONS: A Ph.D. or equivalent foreign degree in Computer Science or other relevant field, expected to be completed by June 30, 2018; demonstrated record of research and teaching.

POSITION AVAILABLE: July 1, 2018 (with academic year beginning September 2018). All Ph.D. requirements must be completed by June 30, 2019 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, a statement addressing contributions to diversity through research, teaching, and/or service; 3 selected publications, and 3 confidential letters of reference*. All materials must be submitted as PDF files.

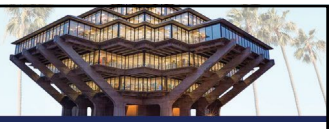
Apply at **http://apptrkr.com/1086512**

Refer to Position #JPF00481-18 in all correspondence.

CLOSING DATE: Review of applications will begin on December 4, 2017. To ensure full consideration, applications must be complete by this date. The position will remain open until filled, but not later than 6/30/2018.

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, disability, age, or protected veteran status.

UC San Diego



ASSISTANT TEACHING PROFESSOR

Lecturer with Potential Security of Employment in Data Science/Programming

UCSD Cognitive Science seeks to fill Assistant Teaching Professor in Data Science/Programming. It requires research, teaching, & contribution to instruction-related activities.

To view the full advertisement and all necessary application materials: **http://apptrkr.com/1091387**
Appointments will begin 7/1/18; salary is commensurate with experience.

Apply by 12/09/17 for full consideration. UCSD is an AA/EOE.

students and 10,000 graduate students. Recently established Centers of Excellence such as Sustainable Manufacturing and Advanced Robotic Technologies (SMART), RENEW and Global Health as well as ISTL and DoD's UTC Tier 1 Center on Transportation Informatics provide many opportunities for multidisciplinary research collaboration across the university.

Buffalo is the second largest city in New York State, and was rated the 10th best place to raise a family in America by Forbes magazine in 2010 due to its short commutes and affordability. Located in scenic Western New York, Buffalo is near the world-famous Niagara Falls, the Finger Lakes, and the Niagara Wine Trail. The city is renowned for its architecture and features excellent museums, dining, cultural attractions, and several professional sports teams, a revitalized downtown waterfront as well as a growing local tech and start-up community. Buffalo is home to Z80, a start-up incubator, and 43 North, the world's largest business plan competition.An earned doctorate in computer science or closely related field. Candidates must demonstrate excellence in research, teaching, service and mentoring. The Ph.D. must be conferred prior to the appointment.

For full consideration all applicants must apply at:
http://www.ubjobs.buffalo.edu/postings/11660

University of California, Riverside

JPF00853 – Assistant Teaching Professor

The Department of Computer Science and Engineering (CSE) at the University of California, Riverside invites applications for an Assistant Teaching Professor position beginning in July 2018. At UCR, teaching professors are responsible mainly for undergraduate instruction and curriculum development. Successful candidates will need to exhibit dedication to teaching and appropriate pedagogical knowledge and skills. Priority will be given to candidates with expertise and prior experience in teaching courses on topics related to computer organization and architecture, logic design, and high-level synthesis. Highly qualified candidates with background in other areas will also be given consideration. Besides teaching, teaching professors are also expected to be actively engaged in service (e.g., development of undergraduate curricula, pedagogical

innovation, TA training, program accreditation, student advising) and scholarly activity in the area of computer science education.

An assistant teaching professor appointment is similar to a regular tenure-track assistant professor appointment and follows a parallel track, including a tenure process that, if successful, leads to a tenured appointment. 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.

A Ph.D. in Computer Science or a related field is required at the time of employment. Salary will be competitive and commensurate with qualifications and experience. Full consideration will be given to applications received by January 30, 2018. The search will continue until the position is filled. To apply, please register through the weblink at *https://aprecruit.ucr.edu/apply/JPF00853* or *http://www.engr.ucr.edu/about/employment.html* Inquiries should be directed to *lsoesearch@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, Riverside 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.

University of Central Arkansas

Assistant/Associate Professor of Computer Engineering and Cybersecurity (two positions)

The Department of Computer Science at the University of Central Arkansas is seeking exceptional candidates for two tenure-track Assistant/Associate Professor positions, one in Computer Engineering and the other in Cybersecurity, both beginning in August 2018. Currently, the department has 12 full-time faculty members and offers an ABET accredited BS program in Computer Science and an MS program in Applied Computing.

Each position requires a doctorate degree in Electrical Engineering, Computer Engineering, Computer Science, Cyber security or a related discipline. For the Computer Engineering position, all areas of Computer Engineering will be considered; whereas for the Cybersecurity, Only candidates with expertise in Cybersecurity will be considered. Duties include teaching the undergraduate and graduate levels, research, and professional service.

Applicants should submit Research statement, C.V., cover letter and teaching statement required. Please provide contact information for three professional references that can provide a letter of reference for you via *https://jobs.uca.edu* (Position numbers 173092 and 173093). Review of applications will begin on January 11, 2018 and will continue until the position is filled. For questions, contact the department chair at *ecelebi@uca.edu.* Additional information about the department is available at *https://uca.edu/computerscience.* UCA is an EO/AA Employer.

UCA is located in Conway, Arkansas, a thriving city of approximately 60,000 in central Arkansas. Conway is home to several major industries, two private colleges, an excellent public school system, and strong private K12 schools. Residents enjoy easy access to both a large urban center (Little Rock is 30 minutes away via I-40) and pristine wildlife areas such as the Buffalo National River, and the Ozark and Ouachita Mountains.

University of Central Florida

Assistant Professor, Genomics and Bioinformatics

The University of Central Florida (UCF) recently established several interdisciplinary clusters to strengthen its academic and research missions. The Genomics and Bioinformatics Cluster (GBC) (*http://www.ucf.edu/research/genomics*) is one of these clusters, and it was established with a goal to develop a nationally and internationally recognized program in the broad area of genomics and computation. As part of the GBC, we are currently seeking to hire two tenure-earning Assistant Professors. Candidates

must have a strong research publication record and demonstrated independent research, with either existing research funding, or strong potential to initiate and obtain funding for their research program. The GBC emphasizes interdisciplinary research in genomics that covers at least two disciplines among biology, biomedical sciences, and computer science. In particular, the GBC is looking to expand research programs in genomics that are enabled by next-generation sequencing technologies and that address one or more areas among molecular evolution, biodiversity, microbiome research (environmental and plant/animal health), biological model systems, infectious diseases, translational applications for cancer, computational biology, systems biology, machine learning and data mining. Strong candidates in other areas of genomics will also be considered.

The GBC members will be expected to strengthen their individual tenure homes as well as the cluster. The list of host departments includes Burnett School of Biomedical Sciences (College of Medicine), Biology (College of Sciences), and Computer Science (College of Engineering and Computer Science). Of the two Assistant Professor positions that we are seeking to fill, one position is expected to have a tenure home in Burnett School of Biomedical Sciences (College of Medicine) and conduct genomic research involving a combination of wet lab and dry lab techniques. For the second position, we are seeking candidates conducting computational research and can be hosted in one of the three departments listed above. A candidate may also be jointly appointed among these as appropriate to qualifications and interest. All GBC faculty members (and their students) will be housed jointly to facilitate collaboration.

Candidates must have a Ph.D. or M.D./Ph.D. from an accredited institution in an area appropriate to the cluster at the time of appointment. Postdoctoral research training experience is also strongly preferred.

The University of Central Florida is one of the nation's largest universities with a diverse student body of more than 64,000 students. UCF has grown substantially in size, quality, diversity, and reputation in its first 50 years. Today, the university offers more than 200 degree programs at its main campus in Orlando and more than a dozen satellite locations. UCF is an economic engine, attracting and supporting industries vital to the region's future while providing students with real-world experiences that help them succeed after graduation. For more information, visit *http://www.ucf.edu/faculty/*.

Candidates must apply online at *https://www.jobswithucf.com/postings/50098* and provide the following materials: a cover letter, curriculum vitae, teaching statement, research statement, and contact information for three professional references. In the cover letter, candidates should clearly specify the position that they are applying for, address their background in genomics and/or bioinformatics and identify the anticipated department(s) for their potential tenure home. In the research statement candidates should include descriptions of their successful interdisciplinary research collaborations and how their current and future research can contribute to the cluster's overall interdisciplinary objectives. 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.

As an equal opportunity/affirmative action employer, UCF encourages all qualified applicants to apply, including women, veterans, individuals with disabilities, and members of traditionally underrepresented populations. UCF's Equal Opportunity Statement can be viewed at: *http://eeo.ucf.edu/documents/PresidentsStatement.pdf*. As a Florida public university, UCF makes all application materials and selection procedures available to the public upon request.

The search committee will begin reviewing applications immediately and continue until the positions are filled.

For more information about these positions, please contact the Cluster Search Chair, Shibu Yooseph, at *GenomicsCluster@ucf.edu*.

University of Central Florida

Assistant or Associate Professor, Computer Science

The Department of Computer Science (CS) at the University of Central Florida (UCF) is seeking applicants for two faculty positions with an anticipated start date of August 8, 2018. The positions will carry the rank of assistant or associate professor. Rank (and tenure for associate professors) will be based on the candidate's prior experience and record.

The department is particularly interested in candidates with experience in the areas of human computer interaction, virtual reality, robotics, data science, algorithms, theory of computing, financial technology, and software engineering and systems. However, all relevant technical areas will be considered. The ideal candidate will have a strong research background and be on an upward leadership trajectory in their research area. They will have research impact, as reflected in high-quality publications and the ability to build a well-funded research program.

The CS Department is home to the first computer science Ph.D. program in the state. Its 38 tenured and tenure-track faculty are engaged in world-class research in Computer Vision, AI and Machine Learning, Virtual Reality, HCI, data analytics, cyber security and privacy, and several other areas. The department has both CS and IT undergraduate degrees accredited by ABET, M.S. degrees in CS, Digital Forensics, and Data Analytics and, a Ph.D. in CS. To learn more about the department see *http://www.cs.ucf.edu/*.

UCF is one of the nation's largest universities. As an economic engine, UCF attracts and supports vital industry to Orlando. UCF is located at the center of the Florida High Tech Corridor where industries include software, defense, space, simulation and training, and entertainment. Next to UCF is a thriving research park that conducts over $2 billion in funded research. 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. Learn more about UCF at *http://www.ucf.edu/faculty*.

Applicants must have a Ph.D. from an accredited institution in an area appropriate to the department, including Computer Science, Computer Engineering, or Mathematics by the time of the appointment.

In order to obtain tenure, the selected candidate must have a demonstrated record of teaching, research and service commensurate with rank in the tenure department.

As an equal opportunity/affirmative action employer, UCF encourages all qualified applicants to apply, including women, veterans, individuals with disabilities, and members of traditionally underrepresented populations. UCF's Equal Opportunity Statement can be viewed at: *http://eeo.ucf.edu/documents/PresidentsStatement.pdf*. As a Florida public university, UCF makes all application materials and selection procedures available to the public upon request.

Candidates must apply online at *www.jobswithucf.com* and attach the following materials: a cover letter, curriculum vitae, teaching statement, research statement, and contact information for three professional references.

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.

For questions regarding this opportunity, please contact the department via email at *cssearch@cs.ucf.edu*.

University of Chicago

Senior Lecturers and Lecturers in Computational Social Science

The University of Chicago invites applications for one or more position(s) as Lecturer or Senior Lecturer in Computational Social Science. The salary is competitive and includes benefits.

These are full-time teaching positions beginning September 2018 with a renewable three-year term. The successful applicant will teach five graduate courses per year; advise MA students; evaluate MA theses; hire and manage teaching assistants; participate in program admissions, staff hiring, and student recruitment; help train doctoral student preceptors; and contribute to the intellectual life and administrative needs of the MA Program in Computational Social Science (*macss.uchicago.edu*). Prior teaching experience is required.

The ideal candidate would be able to teach in three or more of the following

areas: scientific programming with Python; coding best practices; SQL and file-based databases; Spark or Hadoop frameworks; machine learning using structured, semi-structured or unstructured data; Bayesian statistical inference and graphical models; statistical programming with R; optimization; or computational statistics. Other courses may be drawn from the candidate's area of disciplinary expertise.

Lecturers must have the PhD in hand by September 1, 2018. Senior Lecturers are normally more advanced, though the offer might be made in cases of exceptional promise.

Applicants must apply on the University of Chicago's Academic Career Opportunities website. The posting for the Senior Lectureship can be found here *http://tinyurl.com/ydfjovy8*.

The posting for the Lectureship is available here *http://tinyurl.com/ybpogzop*. The following materials should be submitted: 1) a cover letter, 2) a curriculum vitae, 3) a chapter-length writing sample, 4) a sample course syllabus, 5) course evaluations or evidence of past teaching performance, and 6) three letters of reference.

We will begin reviewing applications November 1 and will continue until the positions are filled. Applications received by January 1 will receive full consideration from our committee. Later applicants are encouraged to contact Chad Cyrenne (*c-cyrenne@uchicago.edu*) for updates on the status of the search.

The University of Chicago is an Affirmative Action/Equal Opportunity/Disabled/Veterans Employer and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender identity, national or ethnic origin, age, status as an individual with a disability, protected veteran status, genetic information, or other protected classes under the law. For additional information please see the University's Notice of Nondiscrimination at *http://www.uchicago.edu/about/non_discrimination_statement/*. Job seekers in need of a reasonable accommodation to complete the application process should call 773-702-0287 or email *ACOppAdministrator@uchicago.edu* with their request.

University of Colorado Boulder

Assistant Professor – Electrical, Computer and Energy Engineering

The Department of Electrical, Computer, and Energy Engineering (ECEE) at the University of Colorado Boulder seeks faculty candidates for up to two tenure-track faculty positions beginning August 2018. The openings are targeted at the level of Assistant Professor, but experienced candidates with outstanding credentials may be considered for Associate or Full Professor.

Qualified candidates in all areas of ECEE will be considered, with priority areas including dynamics and control as well as statistical machine learning (with application to network science and data analysis), and computer engineering (with a focus on security, computer-aided verification, applied cryptography, and networking). Candidates that bridge disciplines, have synergistic interests with existing faculty or bring unique capabilities are encouraged to highlight these in their application materials.

Complete applications submitted by December 1, 2017 will receive full consideration, though applications received after this date will continue to be reviewed until the positions are filled. Applications must include a cover letter specifying the area of specialization, complete curriculum vitae, statement of research and teaching interests, and names and contact information of at least three references. Applications must be submitted on-line at

https://cu.taleo.net/careersection/2/jobdetail.ftl?job=11151&lang=en . Additional information is available at that site as well as at *http://www.colorado.edu/ecee/job-openings* .

University of Connecticut

Professor and Synchrony Financial Chair for Cybersecurity

The Computer Science & Engineering (CSE) Department at the University of Connecticut invites applications for a tenure-track faculty position at full professor level. The position has an expected start date of August 23, 2018. This position is in cybersecurity, with responsibilities to advance education and research in computer security and possibly drawing from closely related or

emerging fields. In addition, the successful candidate is eligible for the Synchrony Financial Chair for Cybersecurity, an endowed chair in cybersecurity to advance education and research in cryptography, security engineering, security architecture, secure coding, network and cloud security, malware detection and other emerging security fields.

For full job description please visit our website at *http://www.cse.uconn.edu/current-job-listings/*.

University of Delaware

Tenure-track Assistant Professor(s)

Applications are invited for three tenure-track positions w/theoretic and/or practical research contributing to Big Data, Cybersecurity, Health Sciences, and associated research areas begining Fall 2018. We are particularly interested in increasing our research in Machine Learning, Human Computer Interaction, Security, Algorithms and Graph Theory. Applicants should hold a Ph.D. or equivalent. We encourage all ambitious, innovative individuals, who have demonstrated excellence in research and drive to become leaders in their fields while engaging in high-quality teaching and mentoring of diverse students, to apply. Exceptional candidates may be considered at a higher rank.

New faculty will have ample opportunities to join the many university initiatives, including the Data Science Initiative (*research.udel.edu/delaware-data-science-symposium/*), Cybersecurity Initiative (*csi.udel.edu*), and those supported by Delaware Biotechnology Institute (*www.dbi.udel.edu*), Center for Bioinformatics & Computational Biology (*bioinformatics.udel.edu*), Institute for Financial Services Analytics (*www.lerner.udel.edu/centers/ifsa*), Army CECOM Research Development and Engineering Center at Aberdeen Proving Ground (*www.cerdec.army.mil*), and Health Sciences at the STAR campus (*chs.udel.edu/star/*). The Department is vibrant and growing, currently with 24 tenure-track, 3 teaching, 5 research faculty members, about 130 graduate students and 250 undergraduate students. We have significant external funding, including grants from NSF, NIH, DOE, Air Force, Army, Navy, and industries.

One of the oldest institutions of higher education in this country, the University of Delaware (with about 17,000+ undergraduate, 3,500+ graduate students) ranks among the nation's top 100 universities in federal R&D support for science and engineering. The 194,000sf Harker Interdisciplinary Science and Engineering Laboratory includes shared laboratories for nanofabrication and advanced materials characterization and greatly expands opportunities for interdisciplinary research and education and the 272-acre STAR (Science, Technology and Advanced Research) campus offers even more opportunities for research, academic, and commercial development. The University is a Land-Grant, Sea-Grant, and Space-Grant institution, and its beautiful 100-acre central campus is located halfway between Washington, DC and New York City. More information about the Department and the University is available at *www.cis.udel.edu* and *www.udel.edu/about/*, respectively.

Applications should visit *https://apply.interfolio.com/45608* to apply and upload a cover letter (addressed to Dr. Chien-Chung Shen, Faculty Search Committee Chair), a vita, a list of references with contact information, a statement on research. and a statement on teaching.

Equal Employment Opportunity
The University of Delaware is an Equal Opportunity Employer which encourages applications from minority group members, women, individuals with a disability and veterans. The University's Notice of Non-Discrimination can be found at *http://www.udel.edu/aboutus/legalnotices.html*. Employment offers will be conditioned upon successful completion of a criminal background check. A conviction will not necessarily exclude you from employment.

University of Florida

Assistant Professor, Associate Professor, or Full Professor

The Department of Computer & Information Sciences & Engineering (CISE) in the Herbert Wertheim College of Engineering (HWCOE) at the University of Florida invites applications for multiple nine-month academic, tenure-track positions at the rank of Assistant, Associate, or Full Professor with interests in research and teaching in all areas of computer and information science and engineering; areas of particular interest include Cybersercuity, Virtual Reality and

Artificial Intelligence or Machine Learning.

The Department of CISE in the HWCOE at the University of Florida is a vibrant, multidisciplinary highly-collaborative environment, consistently ranked among the top departments for both graduate and undergraduate programs. Research is central to the success of the program; and new faculty will be expected to initiate and sustain strong sponsored research and graduate training programs.

The successful candidate is expected to have a doctoral degree in computer and information science and engineering or a related field is required at the time of hiring. In addition, the candidate should have a record of successful proposal writing, mentoring, and classroom teaching of undergraduate and graduate students.

The search is expected to be open and will continue to receive applications until the positions are filled. Application review will begin immediately. We anticipate at least two positions will initially be filled, with possible additional ones. To receive full consideration applicants must apply via UF Jobs at ***https://jobs.ufl.edu/*** reference Requisition number 503301 and provide a letter of interest, detailed curriculum vitae, a teaching summary, and long-term goals, along with the names and email addresses of three or more references.

Final candidates will be required to provide an official transcript to the hiring department upon hire. A transcript will not considered "official" if a designation of "Issued to Student" is visible. Degrees earned from an education institution outside of the United States are required to be evaluated by a professional credentialing service provider approved by the National Association of Credential Evaluation Services (NACES), which can be found at ***http://www.naces.org/***.

University of Florida counts among its greatest strengths – and a major component of its excellence – that it values broad diversity in its faculty, students, and staff and creates a robust, inclusive and welcoming climate for learning, research and other work. UF is committed to equal educational and employment opportunity and access and seeks individuals of all races, ethnicities, genders and other attributes who, among their many exceptional qualifications, have a record of including a broad diversity of individuals in work and learning activities. The selection process will be conducted in accord with the provisions of Florida's 'Government in the Sunshine' and Public Records Laws. Search committee meetings and interviews will be open to the public, and applications, resumes, and many other documents related to the search will be available for public inspection. The University of Florida is an Equal Opportunity Employer.

University of Georgia

Tenure-track Assistant Professor in Computer Science

The Department of Computer Science at the University of Georgia invites applications for two tenure-track assistant professor positions, starting August 2018. 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 hiring a candidate with a research background in any area of Robotics and another one with a research background in Computational Science, High Performance and Distribute Computing. Please see ***http://www.cs.uga.edu*** for more information about the department and ***http://uga.edu/*** for information about UGA.

To apply for Robotics, please go to ***http://facultyjobs.uga.edu/postings/2915***

To apply for Computational Science, High Performance and Distribute Computing, please go to ***http://facultyjobs.uga.edu/postings/2913***.

Please upload a cover letter, curriculum vitae, and short statements of research interests and teaching philosophy. Please provide contact information (email) for three references.Review of candidates will begin on December 01, 2017 and will continue until the positions are filled.

University of Georgia

Two Tenure-track Assistant Professor positions in Computer Science

The Department of Computer Science at the University of Georgia invites applications for two tenure-track assistant professor positions, starting August 2018. 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 hiring a candidate with a research background in Hardware Security and another one with a research background in Data Science and Machine Learning.

We currently have four successful faculty members working in the Cybersecurity and privacy areas, with focus on Systems, Network Security and Privacy. The ideal candidate in Hardware Security will complement and further strengthen our department's research and education efforts in Computer Security and Privacy.

A number of the Computer Science faculty are working in the data science and machine learning areas. The ideal candidate in Data Science and Machine Learning will complement and further strengthen our department's research and education in Data Analytics, Data Intensive Computing, and Machine Learning.

Both positions offer a competitive salary and generous startup package.

UGA has established an Institute for Cyber Security and Privacy (ICSP), which is housed in the Computer Science Department. The University of Georgia has been designated as a ***National Center of Academic Excellence in Cyber Defense Research (CAE-R)*** through academic year 2022. Additional information about the ICSP can be found at the following link: ***http://cybersecurity.uga.edu/.***

Computer Science is a growing and congenial department of 27 faculty within the Franklin College of Arts and Sciences. The department has 1065 undergraduate and over 175 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 brain mapping, distributed information systems, real-time systems, databases, vision and image processing, theory, algorithms, bioinformatics and bio-imaging, simulations, computational science, parallel and distributed computing, semantic web, robotics, and artificial intelligence. Please see ***http://www.cs.uga.edu*** for more information about the Department.

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 36,000. 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 for **hardware security**, please go to ***http://facultyjobs.uga.edu/postings/2790***

To apply for **Data Science and Machine Learning**, please go to ***http://facultyjobs.uga.edu/postings/2785***

Please upload a cover letter, curriculum vitae, and short statements of research interests and teaching philosophy. Please provide contact information (email) for three references.

Review of candidates will begin on December 01, 2017 and will continue until the positions are filled.

The Franklin College of Arts and Sciences, its many units, and the University of Georgia are committed to increasing the diversity of its faculty and students, and sustaining a work and learning environment that is inclusive. Women, minorities, 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. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, gender identity, sexual orientation or protected veteran status.

University of Hawaii at Manoa'

Assistant Professor of Computational and Data-intensive Science

Applications are invited for a tenure track Assistant Professor of Computational and Data-intensive Science at the University of Hawaii at Manoa's Information & Computer Sciences (ICS) Department (*www.ics.hawaii.edu*). Exceptional candidates at higher ranks may also be considered.

Duties include undertaking a program of independent research, teaching graduate and undergraduate courses, contributing to the academic and scientific life of the ICS Department, and collaborating with other disciplines to conduct research, develop applications, and teach courses on computational and data-intensive science.

Applicants should have a PhD (or about to submit) in Computer Science or related area with expertise in one or more of the following: Data Science, Machine Learning, Deep Learning, Artificial Intelligence, Computational Science, Text Mining, Natural Language Processing, Interactive Visual Analytics, Data Visualization, High Performance Computing and Networking, Scientific Workflows, Cybersecurity.

Submit applications online at: *https://academicjobsonline.org/ajo/jobs/10192*. Include curriculum vitae, names and contact email of three references, statements of research and teaching. Receipt deadline is December 30, 2017.

Inquiries: Jason Leigh (*leighj@hawaii.edu*).

The University of Hawaii is an equal opportunity/affirmative action institution and is committed to a policy of nondiscrimination on the basis of race, sex, gender identity and expression, age, religion, color, national origin, ancestry, disability, marital status, sexual orientation, status as a protected veteran, National Guard participation, breastfeeding, and arrest/court record (except as permissible under State law).

University of Illinois at Chicago

Clinical Track Teaching Faculty

The Computer Science Department at the University of Illinois at Chicago is seeking multiple full-time teaching faculty members to start Fall 2018. The clinical teaching track is a long-term career track that starts with the Clinical Assistant Professor position, and offers opportunities for advancement to Clinical Associate Professor and Clinical Full Professor. Applicants should have a PhD in Computer Science, and candidates interested in Computer Science Education research are especially encouraged to apply. Candidates would be working alongside 7 full-time teaching faculty with over 100 years of combined teaching experience and 11 awards for excellence. The department seeks candidates dedicated to teaching; candidates must have evidence of effective teaching, or present a convincing case of future dedication and success in the art of teaching. Content areas of interest include introductory programming/data structures, theory/algorithms, discrete math, computer organization/systems, databases, software design, and web development. The standard teaching load is 3 undergraduate courses per semester.

The University of Illinois at Chicago (UIC) is one of the top-10 most diverse universities in the US (US News and World Report). UIC's hometown of Chicago epitomizes the modern, livable, vibrant city. Located on the shore of Lake Michigan, Chicago offers an outstanding array of cultural and culinary experiences. As the birthplace of the modern skyscraper, Chicago boasts one of the world's tallest and densest skylines, combined with an 8100-acre park system and extensive public transit and biking networks.

Minimum qualifications include a PhD in Computer Science or a closely related field, and either (a) demonstrated evidence of effective teaching, or (b) convincing argument of future dedication and success in the art of teaching. Applications are submitted online at *https://jobs.uic.edu/*. In the online application, include a curriculum vitae, names and addresses of at least three references, a statement providing evidence of effective teaching, and a statement describing your past experience in activities that promote diversity and inclusion (or plans to make future contributions). For additional information contact Professor Mitch Theys, Committee Chair, *mtheys@uic.edu*.

For fullest consideration, please apply by October 16, 2017. We will continue to

accept and review applications until the positions are filled. The University of Illinois is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply. The University of Illinois conducts background checks on all job candidates upon acceptance of contingent offer of employment. Background checks will be performed in compliance with the Fair Credit Reporting Act.

University of Illinois at Chicago

College of Liberal Arts and Sciences
Department of Mathematics, Statistics, and Computer Science

The Department of Mathematics, Statistics, and Computer Science seeks applicants for an Assistant Professor to join the mathematical computer science group, which includes researchers in theoretical computer science, optimization, computational science, and discrete mathematics. See *http://homepages.math.uic.edu/~mcs/* for more information.

Applicants must have a Ph.D. or equivalent degree in mathematics, computer science or a related field, an outstanding research record, and evidence of strong teaching ability. The salary is negotiable. The position is effective August 16, 2018. Final authorization of the position is subject to the availability of funding.

The Department of Mathematics, Statistics, and Computer Science has active research programs in a broad spectrum of centrally important areas of pure mathematics, computational and applied mathematics, mathematical computer science, probability and statistics, and mathematics education. See *http://www.math.uic.edu* for more information.

Applicants should provide a vita, research and teaching statements, and at least three (3) letters of recommendation. Applications should be submitted through mathjobs.org. No applications will be accepted by surface mail or e-mail. To ensure full consideration, application materials must be received by December 10, 2017, but applications will be accepted through January 22, 2018. The University of Illinois at Chicago is an affirmative action, equal opportunity employer, dedicated to the goal of building a culturally diverse and pluralistic faculty and staff committed to teaching and working in a multicultural environment. We strongly encourage applications from women, minorities, individuals with disabilities and covered veterans. The University of Illinois may conduct background checks on all job candidates upon acceptance of a contingent offer. Background checks will be performed in compliance with the Fair Credit Reporting Act.

University of Illinois at Urbana-Champaign

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

The Department of Computer Science at the University of Illinois at Urbana-Champaign invites applications for several faculty positions at all levels and in all areas of Computer Science. Applicants from both traditional as well as non-traditional and interdisciplinary areas of computer science are encouraged to apply. This is a 100% tenure-track appointment on an academic year (nine-month) service basis paid over twelve months.

Applicants are required to have (or expected to receive) a Ph.D. or equivalent degree. Additional qualifications include the ability to teach effectively at both the graduate and undergraduate levels and the potential to initiate and carry out independent research. Appointments with tenure and higher ranks are available for persons with commensurate research and teaching experience.

A full description of this position announcement can be found at *http://cs.illinois.edu*.

In order to ensure full consideration for Fall 2018, applications must be received by Friday January 5, 2018. Applications can be submitted by going to *http://jobs.illinois.edu* and uploading a cover letter, CV, research statement, and teaching statement, along with names of at least three references who will be contacted to provide letters. For inquiry, please email *HR@cs.illinois.edu*.

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*) and committed to a family-friendly environment (*http://provost.illinois.edu/worklife/index.html*).

University of Illinois

College of Engineering: Teaching Faculty (Open Rank) - Computer Science

The Department of Computer Science (CS) at the University of Illinois at Urbana-Champaign invites applications for multiple teaching faculty positions at all levels and in all areas of computer science. We seek highly qualified applicants with a strong commitment to excellence in teaching and the ability to teach at all levels. This is a 100% non-tenure-track appointment on an academic year (nine-month) service basis paid over twelve months. Applicants for Instructor positions must have at least a B.S. (M.S. preferred) in CS or a closely related field; applicants for Lecturer or for Teaching Professor positions (all ranks) must have a Ph.D. or equivalent degree in CS or a closely related field. Competitive applicants will show the promise of excellence in classroom teaching and will demonstrate strong CS and teaching knowledge. Successful applicants will join the department's thriving community of creative, passionate, and innovative teaching faculty who contribute to high-quality instruction, curriculum development, and student mentoring. Many faculty also engage in outreach and service activities. Teaching Professors are expected to have a deep interest in improving pedagogy beyond the CS department, and may take on leadership roles on campus and contribute to best practices and/or education research in the discipline.

A full description of this position announcement can be found at *http://cs.illinois.edu*. In order to ensure full consideration for Fall 2018, applications must be received by Friday January 5, 2018. Applications can be submitted by going to *http://jobs.illinois.edu* and uploading a cover letter, CV, and teaching statement, along with names of at least three references who will be contacted to provide letters.

For inquiry, please email *HR@cs.illinois.edu*. The University of Illinois conducts criminal background checks on all job candidates upon acceptance of a contingent offer.

The U of I is an EEO Employer/Vet/Disabled (*www.inclusiveillinois.illinois.edu*).

University of Iowa

Assistant Professor of Computer Science

The University of Iowa Computer Science Department invites applications for three tenure-track faculty at the level of assistant professor starting in August 2018. The Department offers the BA, BS, MCS, and PhD degrees in Computer Science, the BA and BS degrees in Informatics and the BSE degree in Computer Science and Engineering.

Two of the positions are in the systems area (e.g., operating systems, parallel and distributed systems, computer architecture, embedded systems, networking and/or security). The first position focuses on security and privacy for networks, cyber-physical systems, and infrastructure (e.g., IoT, medical devices, safety-critical systems, cryptographic protocols and block chain applications, privacy-preserving systems and computations, usable privacy and security, etc.), while the second position is open to any field within the systems area. The third position is in text analytics (e.g., text and web mining frameworks, social media analytics, algorithms for large scale heterogeneous and noisy text data, text analytics in specific domains such as biomedicine, etc.), although we also welcome applications from collaboration-minded scholars in related application-oriented areas of informatics (e.g., data analytics, systems software, machine learning, theory and algorithms, embedded systems, networks and smart sensors, computer graphics, visualization, etc.). At least two of the three positions will be part of an institution-wide initiative in informatics.

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. Successful candidates ultimately affiliated with the University-wide multidisciplinary informatics cluster initiative will work closely with existing informatics faculty and staff to foster creativity and interdisciplinary collaboration: note that interdisciplinary collaborations are an important component of all faculty performance evaluations, even for those faculty not affiliated with any specific institutional cluster.

Applications should include a CV, a research and teaching statement, and contact information for three references (letters

will be solicited by the Department). For additional information and to apply online, visit *http://www.cs.uiowa.edu/hiring*. Applications received by January 1, 2018, 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. Research interests must align with those described herein.

Desirable Qualifications: Prior record of scholarly publication in leading venues, demonstrated interest in interdisciplinary problems, and/or 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 120,000 people that is widely recognized as one of the country's most livable communities, the University offers over 200 majors and has an annual externally funded research budget of over $500M.

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 Manitoba

Assistant or Associate Professors in Software Engineering and Databases/ Data Mining

Positions # 24366/24367

Department of Computer Science

Faculty of Science

University of Manitoba

Winnipeg, Manitoba, Canada

The Department of Computer Science invites applications for two full-time tenure-track positions at the Assistant or Associate Professor level, commencing July 1, 2018, or on a date mutually agreed upon. The Department seeks emerging scholars with a commitment to excellence in teaching and research. Outstanding candidates in any area of Computer Science will be considered, with particular emphasis on candidates who will complement or extend the department's strengths in (i) Software Engineering and (ii) Databases and Data mining. The successful candidates will have A Ph.D. and preferably post-doctoral experience or other distinguishing attributes in Computer Science or a related field. Duties will include undergraduate teaching, graduate teaching and supervision, research, including the establishment of an externally funded research program, and service-related activities. The successful candidate will have a track record of high quality scholarly research leading to peer assessed publications; will either have, or demonstrate the potential to establish, an independent, innovative, scholarly, externally fundable research program; will have demonstrated strength in or strong potential for outstanding teaching contributions; and will exhibit evidence of the ability to work in a collaborative environment. Salary will be commensurate with experience and qualifications.

To enhance our department and create role models for a diverse population of students, we particularly invite application from those who can support and enhance our diversity, including women, Indigenous peoples, other visible minorities, and those committed to a diverse environment.

The Department currently has twenty seven full time tenured and tenure track faculty members and six Instructors, and offers a full range of both undergraduate and graduate programs in Computer Science. The Department has a well-established and equipped research facility, and is supported by strong research links with other University of Manitoba departments. Further information about the Department can be obtained from cs.umanitoba.ca. Winnipeg is the largest city in the Province of Manitoba. The city has a rich cultural environment, including symphony, opera, dance, theatre, and ethnic festivals. The region provides ample opportunities for outdoor recreation in all seasons. Learn more about Winnipeg at *winnipeg.ca*.

The University of Manitoba is strongly committed to equity and diversity within

its community and especially welcomes applications from women, members of racialized communities, Indigenous persons, persons with disabilities, persons of all sexual orientations and genders, and others who may contribute to the further diversification of ideas. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority.

Applications including a curriculum vitae, a description of teaching philosophy, a summary of research interests, a three page research plan and contact information for three references should be sent to *search@cs.umanitoba.ca* (PDF files preferred). Please ensure to specify position number NUMBER in the application. For further information contact the Search Committee Chair at *search@cs.umanitoba.ca*. The closing date for receipt of applications is **November 30, 2017**. Application materials, including letters of reference, will be handled in accordance with the *Freedom of Information and Protection of Privacy* Act. Please note that curricula vitae may be provided to participating members of the search process.

University of Maryland, Baltimore County

Assistant Professor
Computer Science and
Electrical Engineering

UMBC's Department of Computer Science and Electrical Engineering invites applications for a tenure-track Assistant Professor position to begin in Fall 2018. 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 undergraduate and graduate teaching. We welcome candidates in all areas of specialization. Areas of particular interest include, but are not limited to: information assurance and cybersecurity; mobile, wearable, and IoT systems; big data with an emphasis on machine learning, data science and high-performance computing; knowledge and database systems; and graphics and visualization.

The CSEE department is energetic, research-oriented and multi-disciplinary with programs in Computer Science, Computer Engineering, Electrical Engineering, Cybersecurity and Data Science. Our faculty (35 tenure-track, 11 teaching and 17 research) enjoy collaboration, working across our specializations as well as with colleagues from other STEM, humanities and arts departments and external partners. We have 1650 undergraduate and 500 MS/PhD students and have awarded 312 PhDs since 1986. Our research is supported by a diverse portfolio from government and industrial sponsors with over $6M in yearly expenditures.

A dynamic public research university, UMBC integrates teaching, research and service. The 2018 US News and World Report Best Colleges report placed UMBC 7th in the Most Innovative National Universities category and 13th in Best Undergraduate Teaching, National Universities. 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.

UMBC's suburban campus is located on 500 acres between Baltimore and Washington DC, and less than 10 minutes from the BWI airport and Amtrak station. The campus includes the bwtech@UMBC research and technology park, which has special programs for startups focused on cybersecurity, clean energy and life sciences. We are surrounded by one of the nation's greatest concentrations of commercial, cultural and scientific activity. Located at the head of the Chesapeake Bay, the Baltimore/Washington area has all the advantages of urban living, including professional sports, major art galleries, theaters and symphony orchestras. Just ten minutes from downtown Baltimore and 30 from the D.C. Beltway, UMBC offers easy access to the region's resources by car or public transportation.

Apply by submitting a cover letter, statement of teaching and research experience and interests, CV, and three letters of recommendation at *http://apply.interfolio.com/45784*. Applications received by December 15, 2017 are assured full consideration. Send questions to *jobsTT@csee.umbc.edu* and see *http://csee.umbc.edu/jobs*for more information.

UMBC is an affirmative action/equal opportunity employer.

University of Maryland College Park

Department of Computer Science
Position #105048

The Department of Computer Science at the University of Maryland, College Park, MD, USA is recruiting to fill five openings for tenure-track faculty, with start dates on or after July 1, 2018. The openings are intended to be at the level of assistant professor, although outstanding candidates at all levels are encouraged to apply. Successful applicants will also be considered for joint appointments with the University of Maryland Institute for Advanced Computer Studies (UMIACS), a multi-disciplinary research institute.

Exceptional candidates in ***all areas*** of computing are being sought, with special but not exclusive interest in fields related to augmented and virtual reality; machine learning and data science; and cybersecurity. Applicants working at the boundary of computer science and related disciplines are also encouraged to apply, and may be considered for joint positions with other departments or institutes on campus. A candidate should indicate in their cover letter if they might be interested in such a joint appointment.

The department is committed to building a diverse faculty pre-eminent in its missions of research, teaching, and service to the community, and it especially encourages applications from women and underrepresented minorities. In addition, candidates who have experience engaging with a diverse range of faculty, staff, and students and contributing to a climate of inclusivity are encouraged to discuss their perspectives on these subjects in their application materials.

Interested candidates should apply online at ***https://ejobs.umd.edu*** in order to receive consideration. Search under Faculty for position #105048. The review of applications will begin on December 16, 2017, and applicants are strongly encouraged to have complete versions of their materials – including a cover letter, a *curriculum vitae*, research and teaching statements, and recommendation letters from at least four references – uploaded by that date for full consideration. Candidates will be prompted when submitting application to submit all information for their references.

Questions can be directed to the faculty recruitment committee at: ***faculty-search@cs.umd.edu***.

The Department of Computer Science at the University of Maryland is consistently ranked among the top-15 nationally. It is one of the largest departments in the country, with approximately 50 full-time tenured and tenure-track faculty covering a wide variety of research areas and over 200 doctoral students drawn from top undergraduate programs nationally and internationally. In 2018 the department is slated to occupy its new state-of-the-art facility, the Brendan Iribe Center for Computer Science and Innovation, which is currently under construction. Additional information about the Department of Computer Science and UMIACS is available at ***http://www.cs.umd.edu*** and at ***http://www.umiacs.umd.edu***. To learn more about the Iribe Center, please visit: ***http://csctr.cs.umd.edu***.

The University of Maryland, College Park, was founded in 1856 and is the flagship institution in the University System of Maryland. Its 1,250 acre College Park campus is minutes away from Washington, D.C., the nexus of the nation's legislative, executive, and judicial centers. This unique proximity to business and technology leaders, federal departments and agencies, and a myriad of research organizations, embassies, think tanks, cultural centers, and non-profit organizations offers unique opportunities for engagement for faculty and students.

The University of Maryland, College Park, an equal opportunity/affirmative action employer, complies with all applicable federal and state laws and regulations regarding nondiscrimination and affirmative action; all qualified applicants will receive consideration for employment. The University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, national origin, physical or mental disability, protected veteran status, age, gender identity or expression, sexual orientation, creed, marital status, political affiliation, personal appearance, or on the basis of rights secured by the First Amendment, in all aspects of employment, educational programs and activities, and admissions.

University of Maryland College Park, MD

Department of Computer Science
Lecturer/Senior Lecturer Position,
Full-time

The computer science department is expanding rapidly and is preparing to move to the Brendan Iribe Center for Computer Science and Innovation (*iribe.cs.umd.edu/home*). We are looking for both lecturers and senior lecturers to work with our bright and amazing students. We recently launched a new maker space (Sandbox) and are on the lookout for computer scientists who are excited to join our rapidly growing academic community.

Responsibilities: During each fall and spring semester, we anticipate that the lecturer will teach at most three sections involving programming, discrete structures, and/or web development. The lecturer may also decide to participate in lower level course curriculum development or become involved in the department's vibrant research community via research grants and advising. Opportunities for summer and winter teaching for additional pay will also be available.

Minimum Qualifications: An M.S. degree is required and either the B.S. or M.S. degree must be in Computer Science. In-depth knowledge of and proficiency in teaching Java, C, and Unix. Other desirable languages include Ruby, OCaml, Python, HTML, Javascript and discrete math. A PhD is strongly preferred.

Application Process: Please apply online at: *https://hiring.cs.umd.edu/instructor*. Applicants are encouraged to apply by January 15th, 2018. However, the positions will remain open until filled. For any information or questions please email *instructorsearch@cs.umd.edu*.

Founded in 1856, the University of Maryland, College Park is the flagship institution in the University System of Maryland. Our 1250 acre College Park campus is minutes away from Washington, D.C., and the nexus of the nation's legislative, executive, and judicial centers of power. This unique proximity to business and technology leaders, federal departments and agencies, and a myriad of research entities, embassies, think tanks, cultural centers, and non-profit organizations offers unparalleled synergistic opportunities for our faculty and students.The Department of Computer Science has been consistently ranked among the top 15 nationally. We have almost 50 full-time tenured and tenure-track faculty in a wide variety of research areas, 10 lecturers, approximately 2800 undergraduate majors and over 220 doctoral students drawn from top international undergraduate programs. Information regarding the department can be found at our web site: *http://www.cs.umd.edu*

The University of Maryland actively subscribes to a policy of equal employment opportunity, and will not discriminate against any employee because of race, age, sex, color, sexual orientation, physical or mental disability, religion, ancestry or national origin, marital status, genetic information, or political affiliation. Minorities and women are encouraged to apply.

University of Massachusetts Amherst

Assistant Professor-Data Science Theory

The College of Information and Computer Sciences at the University of Massachusetts Amherst invites applications for a tenure-track faculty position in Computer Science for the 2018-2019 academic year. One opening is available for an Assistant or Associate level Professor in Theoretical Computer Science with a preference for candidates whose work is related to Data Science. Applicants must have a Ph.D. in Computer Science or a related area, and should show evidence of exceptional research promise. Review of applications will begin on December 15, 2017. We will continue to accept and review applications through the spring. Using the link below, all applicants should submit a cover letter, curriculum vitae, research statement, and statement of teaching interests, along with the names and contact information for references and links to papers that best represent their research/experience.

See full ad for details on the number of references and papers required.
http://umass.interviewexchange.com/jobofferdetails.jsp?JOBID=89975

UMass Amherst is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans, and individuals with disabilities and encourages applications from these and other protected group members.

University of Massachusetts Amherst

Postdoctoral Research Associate

The Advanced Networked Systems Research lab in the College of Information and Computer Sciences at UMass Amherst is looking for an outstanding, highly motivated Postdoctoral Research Associate.

For a complete position announcement including minimum qualifications and application instructions, please see: *https://umass.interviewexchange.com/jobofferdetails.jsp?ID=89767&CNTRNO=0&TSTMP=1506448983274*

The University of Massachusetts Amherst is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans and individuals with disabilities and encourages applications from these and other protected group members.

University of Massachusetts Amherst

Assistant/Associate Professor – Data Science

The College of Information and Computer Sciences at the University of Massachusetts Amherst invites applications for multiple tenure-track faculty positions at the Assistant/Associate Professor level in Data Science (DS). Applicants must have a Ph.D. in Computer Science or a related area, and should show evidence of exceptional research promise. Review of applications will begin on September 28, 2017 for consideration during the fall 2017/winter 2018 hiring period.

All applicants should submit a cover letter, a CV, research statement, statement of teaching interests, the names and contact info for references, and links to research papers using the submission link specific to the position. *Assistant/Associate Professor*

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.

COLLEGE OF ENGINEERING
COMPUTER SCIENCE & ENGINEERING
UNIVERSITY OF MICHIGAN

THE UNIVERSITY OF MICHIGAN, ANN ARBOR
DEPARTMENT OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE
COMPUTER SCIENCE AND ENGINEERING DIVISION
FACULTY POSITIONS

The University of Michigan Computer Science and Engineering (CSE) Division expects strong growth in the coming years and invites applications for multiple tenure-track and teaching faculty (lecturer) positions at all levels. Our search is broad, seeking exceptional candidates from all areas of computer science and computer engineering, and includes a targeted search for cross-disciplinary areas and an endowed professorship (the Fischer Chair) in theoretical computer science. 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 one of the world's leading research universities with annual research funding of well over $1 billion. It consists of highly-ranked departments and colleges across engineering, sciences, medicine, law, business, and the arts. More than a quarter of CSE faculty have sponsored collaborations with faculty in other units. The CSE Division is vibrant and innovative, with over 50 world-class faculty members, over 300 graduate students, several Research Centers, and a large and illustrious network of alumni. Ann Arbor is well known as one of the best college towns in the country. The University of Michigan has a strong dual-career assistance program.

We encourage candidates to apply as soon as possible. For best consideration for Fall 2018, please apply by December 1, 2017. Positions remain open until filled and applications can be submitted throughout the year.

For more details on these positions and to apply, please visit the Application Web Page.

The University of Michigan is a Non-Discriminatory/Affirmative Action Employer.

University of Miami

Faculty Position

The Department of Computer Science at the University of Miami invites applications for an Assistant Professor position starting August 2018. Candidates must possess a Ph.D. in Computer Science or a closely related discipline. The position requires teaching and research expertise in Machine Learning, with emphasis on applications in Data Science. Applicants must have experience storing and analyzing large data sets for applications, including, but not limited to, Biology, Biomedical science, and Medicine. The hire will be expected to teach at both undergraduate and graduate levels, and to develop and maintain an internationally recognized research program. The department encourages innovative interdisciplinary work with other units in the university.

Applicants should submit a cover letter, CV, research plan, statement of teaching philosophy, sample preprints or reprints, any teaching evaluations from the last two years, and the names of at least three references online at *http://www.cs.miami.edu/search/*. Review of applications will begin on the 1st November 2017, and will continue until the position is filled.

The University of Miami offers competitive salaries and a comprehensive benefits package. The University of Miami is an Equal Opportunity Employer -Females/Minorities/Protected Veterans/Individuals with Disabilities are encouraged to apply. Applicants and employees are protected from discrimination based on certain categories protected by Federal law.

University of Miami

Tenure-Track Assistant Professor Position in Business Analytics

The Management Science Department in the School of Business at the University of Miami invites applications for a tenure-track Assistant Professor position in Business Analytics to start in fall 2018.

Applicants with research and teaching interests in all areas of business analytics or data science will be considered. The Management Science Department is home to a diverse group of faculty in data analytics and operations research, and offers an MS program in Business Analytics, in addition to participating in the undergraduate, MBA, and Ph.D. programs of the School. The position affords the successful candidate the opportunity to have an immediate impact in a dynamic department that is rapidly growing in the area of business analytics. Duties will include research and teaching at both the graduate and undergraduate levels.

Applicants should possess a Ph.D. in a discipline related to business analytics or data science by the start date of employment. Applications should be submitted by e-mail to *MASrecruiting@bus.miami.edu*, and should include curriculum vitae, up to three representative publications, research and teaching statements, graduate transcript(s), teaching evaluations (if available), and three recommendation letters. Applications should be submitted by December 1, 2017, but candidates are urged to apply as soon as possible. The position will remain open until filled.

The University is an equal opportunity employer and encourages candidates regardless of gender, race, color, ethnicity, age, disability status or sexual orientation to apply.

University of Minnesota - Twin Cities

Tenure-Track Faculty Positions

The Department of Computer Science and Engineering at the University of Minnesota-Twin Cities is hiring to fill one or more tenure-track positions at the assistant professor level, although higher levels of appointment may be considered when commensurate with experience. Candidates with expertise in any area of computer science and engineering will be considered, those with research interests in software engineering; human-computer interaction; systems research related to cloud/edge computing, big data and Internet-of-Things (IoT) are particularly encouraged to apply.

We are also aiming to fill one position in support of a University-Wide initiative (MnDRIVE) on robotics, sensors, and advanced manufacturing (*http://cse.umn.edu/mndrive*); topics of interest include sensing and networking, machine learning, computer graphics/simulation/

visualization, robot design, manipulation, mobility, human-robot interaction, planning, algorithmic foundations, and embedded systems.

The Department of Computer Science and Engineering is fully committed to a diverse faculty because excellence emerges when individuals with different backgrounds and experiences engage. We therefore welcome applications from individuals who will further expand that diversity; women and other underrepresented groups are especially encouraged to apply. Candidates should have a Ph.D. in Computer Science or a closely related discipline at the time of appointment.

Submit materials as described at *https://www.cs.umn.edu/resources/employment/faculty/*. Consideration of complete applications will begin December 1, 2017, and continue until the positions are filled. The University of Minnesota is an equal opportunity employer and educator.

University of Nebraska-Lincoln

Assistant Professor

The Department of Computer Science and Engineering at the University of Nebraska – Lincoln invites applications for a tenure-track faculty position at the rank of Assistant Professor to begin in August 2018.

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 human centered computing, usability or human computer interaction with software engineering or programming languages are particularly welcome.

Review of applications will begin December 1, 2017. For full details on the position and on how to apply, see *http://cse.unl.edu/facultysearch*.

As an EO/AA employer, qualified applicants are considered for employment without regard to race, color, ethnicity, national origin, sex, pregnancy, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, marital status, and/or political affiliation. See *http://www.unl.edu/equity/notice-nondiscrimination*.

University of North Carolina at Chapel Hill

Professor of the Practice

The Computer Science Department of the University of North Carolina at Chapel Hill invites applications for the position of Professor of the Practice to begin on or after July 1, 2018. The position is for an initial term of four years, and is periodically renewable upon review. We seek applications from individuals with exceptional promise for, or a proven record of, teaching mobile applications development in a diverse undergraduate university environment. Experience developing applications for mobile platforms is desired, as is teaching at the university level and making appropriate use of instructional technology.

For more information, and to apply, please visit *http://www.cs.unc.edu/recruiting*.

UNC Chapel Hill

Assistant Professor

The Computer Science Department of the University of North Carolina at Chapel Hill invites applications for tenure-track faculty positions at the level of Assistant Professor to begin on or after July 1, 2018. We are seeking exceptional candidates with a strong research record in any of the following areas: systems, machine learning, data science, robotics, cyber-physical systems, and natural language processing.

For more information, and to apply, please visit *http://www.cs.unc.edu/recruiting*.

UNC Chapel Hill

Teaching Assistant Professor

The Computer Science Department of the University of North Carolina at Chapel Hill invites applications for the position of Teaching Assistant Professor to begin on or after July 1, 2018. The position is for an initial term of four years, and is periodically renewable upon review. We seek applications from individuals with exceptional promise for, or a proven record of, teaching introductory programming in a diverse undergraduate university environment. Experience teaching large classes, and using instructional technology for the same is desired.

For more information, and to apply, please visit *http://www.cs.unc.edu/recruiting*.

University of Northern Colorado

Assistant/Associate Professor of Computer Information Systems (CIS) – Tenure Track

The Department of Computer Information Systems at the University of Northern Colorado invites applications for a tenure-track Assistant/Associate Professor of Computer Information Systems position starting in August 2018. A commitment to high-quality instruction is essential. Preferred applicants will have completed a Ph.D. in MIS, SE, CIS or related field. ABD candidates in the final stages of the dissertation process will be considered. The full vacancy announcement and application instructions are available at: *https://careers.unco.edu/postings/1911*

Applications will be considered until the position is filled, although first consideration will be given to those received before November 15, 2017.

University of Notre Dame

Special Professional Faculty

The Department of Computer Science and Engineering at the University of Notre Dame seeks candidates for a full-time (2-3 courses per semester) Special Professional Faculty (SPF) position to teach courses primarily in the CSE undergraduate curricula. Initial appointment will be made for a term of three years at the Assistant Teaching Professor, Associate Teaching Professor, or Teaching Professor level depending on seniority and experience. Appointments are renewable for five-year terms and promotions to more senior ranks are available, depending on performance.

Competitive candidates will have the training and experience necessary to teach effectively in a range of courses in accredited degree programs in Computer Science and Computer Engineering. Candidates with backgrounds in all areas of Computer Science and Computer Engineering will be considered and relevant industry experience is also valued. Qualified candidates should have at least a master's degree, and preferably a doctoral degree, in Computer Science, Computer Engineering, or a related area. The Department is especially interested in candidates who will contribute to the diversity and excellence of the University's academic community through their teaching and service.

The University of Notre Dame is a private, Catholic university with a doctoral research extensive Carnegie classification, and consistently ranks in USNWR as a top-twenty national university. The CSE Department offers the Ph.D. degree and undergraduate Computer Science and Computer Engineering degrees. More information about the department can be found at: *http://cse.nd.edu/*

Applicants must submit a CV, cover letter, statement of teaching experience and philosophy, and contact information for three professional references, at least two of whom must be able to comment on the applicant's teaching experience. Teaching evaluations may be submitted, if available. Applications must be submitted at *http://apply.interfolio.com/45448*.

To guarantee full consideration, applications must be received by December 1, 2017, however, review of applications will continue until the position has been filled.

The University is an Equal Opportunity and Affirmative Action employer; we strongly encourage applications from women, minorities, veterans, individuals with a disability and those candidates attracted to a university with a Catholic identity.

University of Notre Dame

Multiple Tenure-Track Faculty Positions

The Department of Computer Science and Engineering at the University of Notre Dame invites applications for multiple tenure-track faculty positions at all ranks, with one position specifically in circuits, architecture, or related areas. We seek to attract, develop, and retain excellent faculty members with strong records and future promise. The Department is especially interested in candidates who will contribute to the diversity and excellence of the University's academic community through their research, teaching, and service.

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. More information about the department can be found at: *http://cse.nd.edu/.*

UNIVERSITY OF OXFORD

Associate Professorship (TF) of Algorithms and Complexity Theory

Department of Computer Science, Wolfson Building, Parks Road, Oxford
Salary from: £46,336 p.a. (plus substantial benefits including an allowance of £2,700 p.a. which would be payable upon award of Full Professor title.)

Applications are invited for the post of Associate Professor (or Professor) of Algorithms and Complexity Theory to be held in the Department of Computer Science with effect from 1 October 2018. The successful candidate will also be appointed as Fellow and Tutor in Computer Science at Hertford College; Tutors being responsible for the organisation and teaching of their subject within the College.

The salary for this position is offered on a scale from £46,336 per annum, plus substantial additional benefits, including single accommodation at college, if available, or a living-out allowance of £9,437 pa. An allowance of £2,700 pa would be payable upon award of Full Professor title.

The Department of Computer Science is a vibrant and growing academic department, which has a research profile across the entire spectrum of contemporary computing. The Associate Professor will be expected to engage in independent and original research in the field of Algorithms and Complexity Theory, to secure funding and engage in the management of research projects and disseminate research of the highest international standard through publications, conferences and seminars. They will also will contribute to teaching on the Department's highly successful undergraduate and graduate programmes. Oxford has a strong tradition in Algorithms and Complexity Theory, with multiple active faculty members in the Computer Science, Information Engineering, and Statistics departments.

The Associate Professor will be a member of both the University and the college community. They will be part of a lively and intellectually stimulating research community with access to the excellent research facilities which Oxford offers. They will have a role to play in the running of the College as a member of the Governing Body and a trustee of the College as a charity.

The successful candidate will hold a doctorate in Computer Science, or a related subject, will have the ability to teach across a range of Computer Science subjects, and will also have a proven research record of high quality at international level in the area of Algorithms and Complexity Theory, and experience of research collaborations at both national and international level.

The closing date for applications is 12.00 noon on 5 January 2018. Interviews will be held on 13 February 2018 – please allow a full day for these.

The following are for other adverts (Universal job match & department website):

Committed to equality and valuing diversity

For further details and to apply please visit:
https://www.recruit.ox.ac.uk/pls/hrisliverecruit/erq_jobspec_version_4.jobspec?p_id=130172

Applicants must submit a CV, a teaching statement, a research statement, and contact information for three professional references at *http://apply.interfolio.com/41330.* To guarantee full consideration, applications must be received by December 1, 2017, however, review of applications will continue until the positions have been filled.

The University is an Equal Opportunity and Affirmative Action employer; we strongly encourage applications from women, minorities, veterans, individuals with a disability and those candidates attracted to a university with a Catholic identity.

University of Oklahoma

Tenure Track Faculty Position in Cybersecurity

The School of Computer Science in the Gallogly College of Engineering at the University of Oklahoma is entering an exciting period of growth opportunities in cybersecurity and data science and analytics (DSA). We are seeking applications for a tenure-track faculty position at the rank of an assistant professor who has demonstrated research skills in cybersecurity, especially at the intersection of cybersecurity and DSA. The new online graduate program in DSA is an innovative collaboration with the School of Industrial and Systems Engineering and has experienced significant enrollment growth during the startup phase. We offer B.S., M.S., and Ph.D. degree programs in computer science and the M.S. degree in DSA.

Applicants must hold a Ph.D. in computer science and should be committed to excellence in teaching and research. Candidates should have demonstrated a potential for outstanding research in cybersecurity and have the ability to teach courses in these areas at all levels, including advising M.S and Ph.D. students. Candidates must hold a Ph.D. degree in computer science whose research area is in Cybersecurity. Candidates should also have the ability to teach courses at all levels and advise M.S. and Ph.D. students.

The application package should include: 1) single page cover letter describing the motivation in pursuing this position, 2) curriculum vitae, 3) teaching and research statements, 4) 1-2 papers that best represent research contributions and scholarship, and 5) list of at least three references.

Application packages should be submitted via soonerway.ou.edu. Inquiries about the position can be addressed to Professor Sridhar Radhakrishnan, chair of the search committee, at *sridhar@ou.edu*.

We encourage applicants to apply by December 1, 2017, though application packages will be accepted until the position is filled.

The University of Oklahoma is a Carnegie-R1 comprehensive public research university known for excellence in teaching, research, and community engagement, serving the educational, cultural, economic and health-care needs of the state, region, and nation from three campuses: the main campus in Norman, the Health Sciences Center in Oklahoma City, and the Schusterman Center in Tulsa. OU enrolls over 30,000 students and has more than 2,700 full-time faculty members. Norman is a culturally rich and vibrant town located in the Oklahoma City metro area. With outstanding schools, amenities, and a low cost of living, Norman is a perennial contender on the "Best Places to Live" rankings. Visit *soonerway.ou.edu* for more information.

The University of Oklahoma, in compliance with all applicable federal and state laws and regulations does not discriminate on the basis of race, color, national origin, sex, sexual orientation, genetic information, gender identity, gender expression, age, religion, disability, political beliefs, or status as a veteran in any of its policies, practices, or procedures. The University of Oklahoma, recognizing its obligation to guarantee equal opportunity to all persons in all segments of University life, reaffirms its commitment to the continuation and expansion of positive programs which reinforce and strengthen its affirmative action policies. This commitment stems not only from compliance with federal and state equal opportunity laws but from a desire to ensure social justice and promote campus diversity. Our commitment to the concept of affirmative action requires sincere and cooperative efforts throughout all levels of our employment structure. We will continue to strive to reach the goals of fair and equal employment opportunities for all.

University of Pennsylvania

MULTIPLE FACULTY POSITIONS
Department of Electrical and Systems Engineering

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 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, Computer 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 (nanoelectronics, MEMS/NEMS, power electronics, nanophotonics, integrated devices and systems at nanoscale),

2. Circuits and computer engineering (analog, RF, mm-wave, digital circuits, emerging circuit design, computer engineering, IoT, embedded and cyber-physical systems), and

3. Information and decision systems (control, optimization, robotics, data science, network science, communications, information theory, signal processing, markets and social systems).

Prospective candidates in all areas are strongly encouraged to address large-scale societal problems in energy, transportation, health, food and water, 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.

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, 2017.

University of Rochester

Assistant Professor
Tenure-Track Faculty (CSC, 2017)
Department of Computer Science
Faculty Positions in Computer Science

The Computer Science Department at the University of Rochester seeks applicants for two tenure-track positions. Outstanding candidates will be considered in any area of computer science and at any level of seniority. We are particularly eager to grow our strength in human-computer interaction and in the theory and practice of security and privacy.

Candidates must have (or be about to receive) a doctorate in computer science or a related discipline. Applications should be submitted online at *https://www.rochester.edu/faculty-recruiting/login* no later than January 1, 2018, for full consideration; submissions beyond this date risk being overlooked due to limited interview slots.

The Department of Computer Science (*https://www.cs.rochester.edu*) has a distinguished history of research in artificial intelligence, HCI, systems, and theory. We nurture a highly collaborative and interdisciplinary culture, with exceptionally strong external funding and with active ties to numerous allied departments, including brain and cognitive science, linguistics, biomedical engineering, electrical and computer engineering, and several departments in the medical center. Recent faculty hires have received a host of national honors, including the NSF CAREER award, the MIT TR35 award, honorable mention in the ACM dissertation competition, multiple Google research awards, and best paper designations at top-tier conferences. In 2015 we were one of only two CS departments nationwide to secure three NSF CRII awards for junior faculty.

The department is deeply committed to building a more diverse and representative faculty, and strongly encourages applications from groups underrepresented in higher education. We have a vibrant Women in Computing community, and are a charter member of the ABI/HMC BRAID Initiative. With funding from the NSF, the CRA, and major industrial sponsors, BRAID works to increase diversity and inclusivity in the undergraduate program and to rigorously evaluate factors that contribute to change. In 2017, women constituted 33% of our BA/BS graduates, and we are actively

working to improve the environment for other underrepresented groups.The University of Rochester is a private, Tier I research institution with approximately 5,000 undergraduates and a comparable number of graduate students. It has recently committed $50M to the multidisciplinary Goergen Institute for Data Science (GIDS), of which Computer Science is the leading departmental member – and with which it shares a newly constructed state-of-the-art facility. Ongoing hiring in GIDS provides exciting opportunities for collaboration between computing and other disciplines.

Anchoring the Finger Lakes region of western New York State, the greater Rochester area is home to over a million people, and offers unsurpassed quality of life, with a thriving arts scene, outstanding public schools, affordable housing, and a huge range of cultural and recreational opportunities. Traditionally strong in optics research and manufacturing, the area was recently selected by the Department of Defense as the hub of a $600M Integrated Photonics Institute for Manufacturing Innovation.

The University of Rochester is an Equal Opportunity Employer:

EOE Minorities / Females / Protected Veterans / Disabled

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

EOE Minorities/Females/Protected Veterans/Disabled

University of San Francisco

Computer Science Assistant Professor, Tenure Track (2 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 2018. Applicants must have a Ph.D. in Computer Science or a closely-related field. Strong applicants from all CS sub-disciplines will be considered.

Applicants must demonstrate both exceptional teaching ability and a strong potential for independent and collaborative research in computer science. Applicants will be expected to teach both undergraduate and graduate courses, maintain an active research program that involves students, and perform service duties to the CS department and university.

See ***https://www.usfjobs.com/postings/13009*** for the full job description and application instructions. To receive full consideration applications must be complete and submitted by January 2, 2018.

University of Saskatchewan

Faculty (USFA)

The College of Arts and Science is actively seeking applications for a tenure-track appointment and **Tier 2 Canada Research Chair in Privacy, Security and Data Management in the Department** of Computer Science (***www.cs.usask.ca***).

Recruitment will be guided by the Government of Canada Equity, Diversity and Inclusion Action Plan for Canada Research Chairs (***www.chairs-chaires.gc.ca/program-programme/equity-equite/index-eng.aspx***) and by the strong commitment to employment equity and diversity of the University of Saskatchewan, College of Arts and Science, and Department of Computer Science. The university encourages applications from women, members of visible minorities, Indigenous persons, and persons with disabilities. Applications from women and Indigenous persons are especially encouraged and will be prioritized.

The Canada Research Chairs (CRC) Program is the flagship of a national strategy to make Canada one of the world's top countries in research and development (***www.chairs-chaires.gc.ca***). The successful candidate will build an internationally-recognized program in security, privacy or data management as applied in computer science, broadly defined. Appropriate areas of focus include, but are not limited to: security, privacy or management of Big Data, the Internet of Things, or the Web. The Chair will attract and maintain extramural funding, participate in graduate supervision, and contribute to design and delivery of the department's undergraduate and graduate curriculum.

The Department of Computer Science is the home of 22 faculty, 11 staff, and more than 160 graduate students and postdoctoral fellows working in diverse areas of computer science. The University of Saskatchewan is home to the Canadian Light Source (synchrotron), the Global Institute for Food Security, and the Global

UNIVERSITY OF SOUTH FLORIDA
COLLEGE OF ENGINEERING

The University of South Florida invites applications for faculty positions in

Computer Science and Engineering

Applications are invited for multiple tenure-track positions at all ranks in the Department of Computer Science and Engineering starting Fall 2018. Preference will be given to candidates in strategic research areas that have high funding potential from federal funding agencies including NSF, NIH, DARPA, etc. Research expertise in Artificial Intelligence including Machine Learning, Natural Language Processing, and Computer Vision, Augmented Reality, Big Data, Cloud and Distributed Computing, Neuromorphic Computing, or their intersection with security and privacy of computer systems is desired. Outstanding candidates in other areas may be considered. Truly outstanding senior candidates will be considered. Candidates should have an established record of outstanding-quality research publications and with potential for excellence in teaching. Candidates must have completed, or be near completion of, a Ph.D. in computer science, computer engineering, or a related discipline.

The Department of Computer Science and Engineering (http://www.usf.edu/engineering/cse/) has 25 tenure-track/tenured faculty members, ten instructors, five staff members/advisors, and offers B.S., M.S., and Ph.D. degrees, serving more than 800 undergraduate, 120 masters, and 85 PhD students. The department has a strong working relationship with the Florida Center for Cybersecurity. Currently CSE is leading a collaborative effort to establish a BS in Cybersecurity. Department ranks include ten NSF CAREER awardees, one National Academy of Inventors (NAI) Fellow, four IEEE Fellows, four IAPR Fellows, three AAAS Fellows, and three AIMBE Fellows. The Computer Engineering graduate program was ranked 48th among US public universities by US News and World Report (2016). USF CSE faculty members have 31 issued patents, own seven copyrights, and have executed eight license/option agreements between FY12-FY16.

The University of South Florida System is a high-impact, global research system dedicated to student success. The USF System includes three institutions: USF; USF St. Petersburg; and USF Sarasota-Manatee. The institutions are separately accredited by the Commission on Colleges of the Southern Association of Colleges and Schools. All institutions have distinct missions and their own detailed strategic plans. Serving over 48,000 students, the USF System has an annual budget of $1.6 billion and an annual economic impact of $4.4 billion. USF is a member of the American Athletic Conference.

With over 230 degree programs at the undergraduate, graduate, specialty and doctoral levels, including the doctor of medicine, there's something for everyone at USF. We believe in creating a talented, engaged and driven workforce through on-going development and career opportunities. We also offer a first class benefit package that includes medical, dental and life insurance plans, retirement plan options, tuition program and generous leave programs and more.

An application package should include a cover letter, curriculum vitae, statements describing research and teaching experience and goals, and the names and contact information of at least three references. Applicants must electronically submit the application packet to the following website: http://www.usf.edu/administrative-services/human-resources/careers/ (**Applicants search Job Opening ID# 14416**). Applications will be considered starting immediately until the positions are filled.

The University of South Florida is an Equal Opportunity/Equal Access/Affirmative Action Institution. Women and minorities are strongly encouraged to apply. Dual career couples with questions about opportunities are encouraged to contact the Department chair. To request disability accommodations in the application and interview process, please notify Khoa Dinh, the EOL Coordinator at (813) 974-9272.

Institute for Water Security, centres with significant and sophisticated data security, privacy and management needs.

The University of Saskatchewan is situated in Treaty 6 territory and the Métis homeland and is located in Saskatoon, Saskatchewan, a city with a diverse and thriving economic base, a vibrant arts community and a full range of leisure opportunities. The University has a reputation for excellence in teaching, research and scholarly activities, offers a full range of undergraduate, graduate, and professional programs to a student population of over 23,000, and is committed to enhancing our national and global research standing.

Qualifications

Tier 2 Chairs are intended for exceptional emerging scholars (i.e. candidate must have been an active researcher in their field for fewer than 10 years at the time of nomination). Applicants who are more than 10 years from their highest degree (and where career breaks exist, including maternity leave, extended sick leave, clinical training, etc.) may have their eligibility for a Tier 2 Canada Research Chair assessed through the program's Tier 2 justification process. Please see *http://www.chairs-chaires.gc.ca/home-accueil-eng.aspx* for eligibility details or contact the university's research grants office for more information. The successful candidate will have completed a PhD in Computer Science within the eligibility period for a Tier 2 Chair nomination and should be emerging as a nationally or internationally recognized scholar demonstrating a strong potential for attracting competitively awarded research funding. The candidate should have an exceptional research track record. Experience in interdisciplinary research partnerships and a commitment to education is ideal.

Salary bands for this position are as follows: **Assistant Professor: $93,293 to $112,109; Associate Professor: $112,109 to $130,925; and Professor $130,925 to $152,877**; it is anticipated that a Tier 2 chair would be hired at the Assistant or Associate level, depending on relevant experience. This position includes a comprehensive benefits package which includes a dental, health and extended vision care plan; pension plan, life insurance (compulsory and voluntary), academic long term disability, sick leave, travel insurance, death benefits, an employee assistance program, a professional expense allowance, and a flexible health and wellness spending program.

Applications should be submitted by email to faculty.*recruiting@cs.usask.ca*. Include a cover letter, a curriculum vitae, a research statement, a teaching dossier, and the names of at least three references, at least one of which should be able to provide comments on the teaching abilities of the applicant.

Review of applications will begin **December 8, 2017**; however, applications will be accepted and evaluated until the position is filled. The anticipated start date is July 1, 2018.

University of Southern California

Computer Scientist and Post-Doc

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

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

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

Computer Scientist and Postdoc Positions

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

Machine Reading
Information Extraction
Linked Data
Semantic Web
Biomedical data integration and knowledge engineering
Intersection of Neuroscience and Computing
Information Integration
Interactive Knowledge Capture

Semantic eScience
Machine Translation
Natural Language Processing
Robotics
Social networks

Postdoc positions are one-year positions, with the possibility of renewal. Computer Scientist positions are permanent positions, subject to available funding. Computer Scientists can be principal investigators on research grants. They can also apply for a research faculty appointment in the Computer Science (or other) Department; if appointed, they can teach courses and advise graduate students.

Application Procedure

Applicants for both the Computer Scientist and Postdoc positions must submit the following materials to *joinus@isi.edu*.

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

For additional information please contact *joinus@isi.edu*.

Important Dates

Our next application deadline is December 15, 2017. Start dates are flexible.

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

The University of Texas at Arlington

The Computer Science and Engineering Department
Assistant/Associate/Full Professors

The Computer Science and Engineering Department at The University of Texas at Arlington invites applications for 5 tenure/tenure-track assistant, associate, and full professor positions with a tentative start date in Fall 2018. The areas of the following position titles (e.g., "Artificial Intelligence") are intended to be interpreted broadly:

- Assistant Professor – Artificial Intelligence
- Assistant/Associate/Full Professor – Big Data
- Assistant Professor – Cyber Physical Systems
- Assistant Professor – Cyber Security
- Assistant/Associate Professor – Cyber Security

The key objective is to hire faculty members with outstanding qualifications who share the University's core values of high standards of excellence in teaching, innovative and collaborative research, and service, combined with fostering an open and inclusive environment and with promoting diversity and participation of groups that are currently underrepresented in engineering fields. A major emphasis will be on potential collaboration for research with faculty members within and outside the department.

Application Instructions

To apply, please go to:

- Assistant Professor-Artificial Intelligence: *http://uta.peopleadmin.com/postings/4199*
- Assistant/Associate/Full Professor – Big Data: *http://uta.peopleadmin.com/postings/4196*
- Assistant Professor – Cyber Physical Systems: *http://uta.peopleadmin.com/postings/4198*
- Assistant Professor – Cyber Security: *http://uta.peopleadmin.com/postings/4195*
- Assistant/Associate Professor – Cyber Security: *http://uta.peopleadmin.com/postings/4195*

A complete application via one of the above URLs should include a cover letter, curriculum vitae, research plans, teaching philosophy, and contact information of at least five references. Senior candidates should also include unofficial course evaluations.

Review of applications start November 15, 2017 and will continue until filled.

Questions about the openings should be addressed to *hong.jiang@uta.edu*

EEO/AA Policy

UTA is an Equal Opportunity/Affirmative Action institution. Minorities, women, veterans and persons with disabilities are encouraged to apply. Additionally, the University prohibits discrimination in employment on the basis of sexual orientation. A criminal background check will be conducted on finalists. UTA is a tobacco free campus.

University of Texas at Austin

Assistant Professor (Tenure Track) in Computer Science

The Department of Computer Science of the University of Texas at Austin invites applications for a tenure-track Assistant Professor position. Outstanding candidates in all areas of Computer Science will be considered, particularly in: computer vision, machine learning, cybersecurity and formal methods.

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 in research. The department is committed to building a diverse faculty and we are interested in candidates who will contribute to diversity and equal opportunity in higher education through their teaching, research, and service.

The department is ranked among the top ten computer science departments in the country. It has 44 tenured and tenure-track faculty members across all areas of computer science. Many of these faculty participate in interdisciplinary programs and centers in the University, including the Texas Advanced Computing Center (TACC), and those in Computational and Applied Mathematics, Computational Biology, and Neuroscience. Austin, the capital of Texas, is a center for high-technology industry, including companies such as Dell, IBM, Advanced Micro Devices, 3M Corporation, National Instruments, Apple Computer, Inc., AT&T and Samsung. For more information about the department, please visit ***http://www.cs.utexas.edu***

All faculty positions require a cover letter, current curriculum vita, research statement, teaching philosophy and selected publications. For tenure-track faculty positions, three (3) reference letters are required.

To apply for a tenure-track position on-line at ***http://apply.interfolio.com/43687***

A review of complete applications (including all reference letters) will begin on December 15, 2017. Inquiries about your application may be directed to ***faculty-search@cs.utexas.edu***. For full consideration of your application, please apply by January 31, 2018. The University of Texas is an Equal Opportunity Employer.

University of Texas at San Antonio

Faculty Position in Computer Science

The Department of Computer Science at The University of Texas at San Antonio (UTSA) invites applications for two tenured/tenure-track positions, starting in Fall 2018. The first position is for a tenure-track Assistant or tenured/tenure-track Associate Professor in Game-related areas. The focus is on Computer Graphics, especially 3D animation, 3D modeling, and real-time rendering; and/or Human Computer Interaction, especially human computer interfaces, virtual reality, augmented reality, and game analytics. The second position is for a tenured/tenure-track Associate Professor in Data Science and Artificial Intelligence, focusing on cyber security, Internet of things, bioinformatics, natural language processing, speech recognition, language understanding, computer vision, or machine learning. This position is part of UTSA's focused cluster hiring plan under the ***Gold Star Initiative*** to recruit top-tier researchers over a four-year period.

See ***http://www.cs.utsa.edu/fsearch*** for information on the Department and application instructions. Screening of applications will begin immediately. 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

Tenure track faculty – All Ranks

The School of Computing at the University of Utah seeks applications for multiple tenure-track faculty positions at all ranks, beginning Fall 2017. The School will run a broad search in all areas of

computer science. In addition the School is particularly interested in the following areas of expertise

- Cryptography
- Human-centered computing/human-computer interaction
- Programming languages
- Machine learning

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:

https://utah.peopleadmin.com/postings/69927

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 Utah

Faculty Member

The University of Utah is seeking to hire an outstanding tenure-track faculty member in image analysis at the Assistant or Associate Professor level. The position is a joint effort between the Scientific Computing and Imaging (SCI) Institute and the School of Computing or another College of Engineering Department serving as the tenure home. Ideal candidates might have backgrounds in computer science, electrical and computer engineering, or bioengineering or related field.

The SCI Institute has established itself as an internationally recognized leader in visualization, scientific computing, and image analysis applied to a broad range of application domains. 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 our research and our current faculty can be found at *http://www.sci.utah.edu* and *http://www.cs.utah.edu*.

Candidates may apply through the following URL:

http://utah.peopleadmin.com/postings/69994

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/*

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University of Utah

Assistant/Associate/Professor (Lecturer), Entertainment Arts & Engineering

The University of Utah's Entertainment Arts and Engineering (EAE) program is seeking to hire a teaching faculty member at the rank of assistant, associate or full professor, beginning Fall 2018. This is a non-tenure track position intended to be a long-term position within the University's Career-Line Faculty structure, with a renewable contract and multi-year appointments.

Seeking to build upon its reputation as a world-class professional games education program, EAE is looking to hire a teaching

faculty member in Game Engineering. Candidates must hold a terminal degree, preferably a Ph.D. in Computer Science or a related discipline. Senior candidates must demonstrate a record of outstanding teaching; junior candidates must demonstrate the potential for teaching excellence. The successful candidate will bring a depth of knowledge about game engineering as well as a passion to convey that knowledge to a diverse collection of students within EAE and the broader Utah student community. Responsibilities include teaching a variety of courses based on specialization. Examples may include games analytics, game engine development, gameplay programming, projects classes and special topics courses in the area of the candidate's specialty. In addition, the faculty member may also conduct research and perform university and professional service. Faculty will teach courses at the graduate and undergraduate levels, including courses in our new BS in Games degree.

If you are interested in teaching the next generation's leaders in games and interactive entertainment, we strongly encourage you to apply.

The University of Utah's Entertainment Arts and Engineering Program is a world leader in games education, with top-ranked programs at both the undergraduate and graduate levels. Founded in 2007 as a collaborative effort of Utah's Departments of Computer Science and Film and Digital Media, EAE is now an independent teaching program centered on the discipline of games, with graduate and undergraduate programs ranked in the top four worldwide by Princeton Review consistently since 2013. EAE programs were ranked number one in the world in 2013, 2015 and 2016. The EAE faculty includes artists, computer scientists, designers, games studies scholars, and social scientists who work together to design and teach our courses. This diversity of background in our faculty is one of the core elements of our students' experiences.

The University of Utah is a Carnegie Research I institution located in Salt Lake City, the hub of a large metropolitan area with excellent cultural and recreational opportunities. Additionally, a vibrant local game development community offers opportunities for interesting collaborations. In their 2016 report on the videogame industry in the US, the Entertainment Software Association (ESA) described Utah as the 2nd best performing state for growth in the game industry since 2013. Further information about EAE and our current faculty can be found at *http://eae.utah.edu/about-us/*.

Interested candidates should provide a cover letter, curriculum vitae, teaching statement (no more than 2 pages in length), and names and contact information for at least three references to be considered. Evidence of teaching effectiveness is also strongly recommended if available. Applications must be submitted on-line at *http://utah.peopleadmin.com/postings/69692*. Review of applications will begin immediately. Applications received by December 15, 2017 will receive full consideration. EAE is especially interested in qualified candidates who can contribute to the diversity of our academic community. We strongly encourage underrepresented minority and women candidates to apply.

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

Three Teaching Positions in Computer Science
Department of Computer Science

The College of Engineering and Mathematical Sciences at the University of Vermont (UVM) invites applications for 3 full-time non-tenure-track teaching positions in Computer Science (CS) for a Fall 2017 start date. We seek highly motivated candidates with a passion for teaching CS and an ability to develop

and teach a variety of CS courses. Qualifications for these positions 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. Two of the positions are for lecturers who will focus on teaching required first and second year courses for CS majors and minors, as well as service and elective courses at the lower level. The third position is for a Professor of the Practice in Software Engineering (technically hired as a senior lecturer) and requires industry experience in software engineering; the focus will be on developing and teaching upper division courses in industrial strength software engineering on a variety of platforms, ideally developing relationships with industry sponsors for capstone projects.

Prior experience teaching computer science is highly desirable, and prior experience or willingness to teach in hybrid or online formats is a plus. In addition to teaching, 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 or online courses may be available for additional compensation. UVM offers generous benefits packages, including health, dental, retirement contributions, and tuition remission.

The University of Vermont is an Equal Opportunity/Affirmative Action Employer and actively encourages applications from women, veterans and people from diverse racial, ethnic, and cultural backgrounds. To that end candidates must provide a diversity impact statement as part of their cover letter, detailing how they will further the diversity of the unit through their teaching and service at the University.

Computer Science is recruiting for a total of 5 faculty positions. Links to the advertisements for these and other open faculty positions in the College of Engineering & Mathematical Sciences are available online (*http://go.uvm.edu/hireme*). Existing collaborators are encouraged to apply, as are couples. In general, the University is open to discussion of how it can support dual-career couples.

The University of Vermont, established in 1791, is a comprehensive research university with a current enrollment of 12,000+ undergraduate, graduate, and medical students. The scientific and academic environments in the Computer Science Department, the College of Engineering and Mathematical Sciences, and throughout the UVM community are dynamic, highly collaborative, and multi-disciplinary.

The University is located in Burlington, Vermont, about 90 miles south of Montréal. Burlington is often rated as the best small city in America for quality of living, and features year-round outdoor recreation and cultural events. Greater Burlington has a population of approximately 150,000 and enjoys a panoramic setting on Lake Champlain, bordered by the Adirondack and Green Mountains.

Applicants must submit a cover letter that highlights expertise and teaching experience and describes how they will contribute to diversity and inclusion through their teaching and/or service, a current CV, and the names of three references, at least one of which can comment on teaching. All application materials must be submitted online at *http://www.uvmjobs.com*. If applying for the Professor of the Practice apply to position F928P0, for the lecturer positions, position number F929P0. Evaluation of applications will begin January 2, 2018 and continue until the position is filled. Please address any questions about this position, or the application process, to *cssearch@cems.uvm.edu*.

University of Vermont

Tenure-Track Position in Computer Security and Privacy
Department of Computer Science
College of Engineering and Mathematical Sciences

The Department of Computer Science at the University of Vermont is seeking applicants for a tenure-track position at the rank of Assistant Professor, with duties to start in late August of 2018. Preference will be given to researchers in the areas of computer security and privacy. We interpret these areas broadly, and areas of particular interest include: network security, embedded device security including IoT and medical devices, and critical infrastructure security including health and energy systems.

The applicant must have an earned PhD in Computer Science or a closely-related area, a strong research record, the ability to teach a variety of undergraduate and

graduate computer science courses, and the potential to supervise masters and doctoral students. Ideal candidates would show potential for contributing to the activities and growth of the recently established Center for Computer Security and Privacy (*http://compsec.w3.uvm.edu*) at UVM.

The University of Vermont is an Equal Opportunity/Affirmative Action Employer and actively encourages applications from women, veterans and people from diverse racial, ethnic, and cultural backgrounds. To that end candidates must provide a diversity impact statement as part of the application detailing how they will further the diversity of the unit through their teaching and service at the University.

Computer Science is recruiting for a total of 5 faculty positions. Links to the advertisements for these and other open faculty positions in the College of Engineering & Mathematical Sciences are available online (*http://go.uvm.edu/hireme*). Existing collaborators are encouraged to apply, as are couples. In general the University is open to discussion of how it can support dual-career couples.

The University of Vermont, established in 1791, is a comprehensive research university with a current enrollment of 12,000+ undergraduate, graduate, and medical students. The scientific and academic environments in the Department of Computer Science, the College of Engineering and Mathematical Sciences, and throughout the UVM community are dynamic, highly collaborative, and multi-disciplinary.

The University is located in Burlington, Vermont, about 90 miles south of Montreal. Burlington is often rated as the best small city in America for quality of living, and features year-round outdoor recreation and cultural events. Greater Burlington has a population of approximately 150,000 and enjoys a panoramic setting on Lake Champlain, bordered by the Adirondack and Green Mountains.

The applicant must submit a current curriculum vitae identifying their specific area of expertise, a statement of teaching philosophy, a detailed statement of research interests, a teaching diversity impact statement, and names of at least three people who can provide letters of reference, at least one of which can comment on teaching. All application materials must be submitted online at *http://www.uvmjobs.com*, position number F923P0. Inquiries may be addressed to Dr. Christian Skalka, Search Committee Chairperson (*ceskalka@uvm.edu*). Review of applications will begin December 1, 2017 and continue until the position is filled.

University of Washington Tacoma

Full-Time Lecturer

The Institute of Technology at the University of Washington Tacoma is seeking applications for one full-time Lecturer position for the Computer Science and Systems program. This is a full-time position with a nine-month service period, beginning September 2018. A Ph.D. or Masters (or foreign equivalent) in Computer Science or related field is required. We look for candidates with demonstrated excellence in teaching, who are familiar with industry practices, and who have experience working with students and faculty from diverse backgrounds. We are particularly interested in hiring candidates with evidence of effectiveness in teaching courses in one or more of the following areas: introductory programming courses; software engineering; computer architecture; operating systems; and computer ethics. Highly qualified applicants in all areas of computer science will be considered.

Further information is available at: *http://ap.washington.edu/ahr/academic-jobs/position/aa25483/*.

Contact: Chris Marriott, *cmarriot@uw.edu*

University of Waterloo

Tenured and Tenure-Track Faculty Positions 2017-2018
David R. Cheriton School of Computer Science

Applications are invited for several tenure-track or tenured faculty positions in the David R. Cheriton School of Computer Science.

(a) Multiple Tenure-Track Faculty Positions. Excellent tenure-track faculty members are sought who will enhance the School's strength in Computer Science.

Priority areas include:
1) Algorithms and Data Structures
2) Human-Computer Interaction

3) Computational Optimization for Data Science and Finance
4) Computer Security
5) Software Engineering

As well, there are one or more positions that are open to all areas of Computer Science. Tenured appointments at the Associate and Full Professor level are possible as circumstances warrant. One senior Assistant or Associate Professor appointment may be accompanied with the endorsement of the Cheriton School of Computer Science to apply for a Tier II Canada Research Chair, which the School has available. The CRC Tier II position includes substantial research support and teaching reduction. All successful applicants are expected to engage actively in graduate student supervision and teaching, to contribute to the overall development of the School, and to be, or to have demonstrated the potential to be, leaders in their research field. A Ph.D. in Computer Science, or equivalent, is required. Rank and salary will be commensurate with experience; the salary range is $110,000 to $170,000 and negotiations beyond this salary range will be considered for exceptionally qualified candidates. Appointments are expected to commence during the 2018 calendar year.

(b) David R. Cheriton Chair in Software Systems. The Cheriton Chairs were created to support world-leading research in traditional and emerging areas of Computer Science and interdisciplinary fields. An outstanding researcher is sought for one endowed Cheriton Chair at the rank of Full or Associate Professor, with tenure. The chair includes substantial research support and teaching reduction. The successful applicant is expected to lead an innovative and high-impact research programme, to engage actively in graduate student supervision, and to contribute to the overall development and reputation of the School. Candidates are expected to have an outstanding research record in software systems (very broadly defined). A Ph.D. in Computer Science, or equivalent, is required and rank and salary will be commensurate with experience; the salary range is $150,000 to $200,000 and negotiations beyond this salary range will be considered for exceptionally qualified candidates.

The David R. Cheriton School of Computer Science is the largest computer science school in Canada, with 89 faculty members. It enjoys an excellent reputation in pure and applied research and houses a diverse research program of international stature. Because of its recognized capabilities, the School attracts exceptionally well-qualified students at both undergraduate and graduate levels. In addition, the University has an enlightened intellectual property policy that vests all rights in the inventor. Please see our web site for more information: *https://www.cs.uwaterloo.ca*.

To submit an application, please register at the submission site: *https://www.cs.uwaterloo.ca/faculty-recruiting*. Once registered, instructions will be provided regarding how to submit your full application. Applications will be considered when they are complete and as long as positions are available. However, full consideration for the regular tenure-track positions (a) is assured only for applications received by November 30, 2017, and we will consider applications as they arrive.

The University of Waterloo respects, appreciates and encourages diversity. We welcome applications from all qualified individuals including women, members of visible minorities, Aboriginal peoples and persons with disabilities. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority.

"Three reasons to apply: *https://uwaterloo.ca/watport/why-waterloo*."

University of Wyoming

Two Tenure-Track Cybersecurity Assistant Professor Positions

The Computer Science Department (*http://uwyo.edu/cosc*) at the University of Wyoming seeks applicants for two tenure-track Assistant Professor positions to start in August 2018. We are seeking to build in the cybersecurity area and are especially interested in blockchain technology, network security, anomaly detection, (differential) privacy, and cryptography. Exceptional candidates in all areas of cybersecurity and data science, and those seeking more advanced ranks are also encouraged to apply. We are seeking individuals that will perform exciting, game-changing research. To enable new faculty to build their research labs, we offer generous startup packages, funding for multiple Ph.D. students, access to world-class supercomputing resources, and reduced teaching loads for pre-tenure faculty.

These positions are part of a university-wide Data Science initiative which includes eight new positions across the university this year, with cybersecurity playing a crucial role. Cybersecurity has been declared a priority area by the Governor of Wyoming, the University of Wyoming, the College of Engineering and Applied Sciences and the Computer Science Department. This effort has the highest levels of support up through the University of Wyoming administration and Wyoming state government.

By the time new hires start, our department expects to be designated as an NSA/DHS Center of Academic Excellence in Cybersecurity. Cybersecurity hires will be instrumental in building a strong research program within the new Cybersecurity Education and Research (CEDAR) Center and Lab (*http://uwyo.edu/cedar*).

Candidates must have completed (or expect to complete by August 2018) a Ph.D. in Computer Science or a related area. Expectations for new faculty include: establishing a vibrant, externally funded research program, teaching at the undergraduate and graduate levels, advising students, and service to the department and/or college. Applicants should exhibit evidence for excellent research by a record of publications in high-quality venues.

Applicants should submit a curriculum vitae and brief statements of research and teaching interests. Additionally, they should identify one or two top publications and arrange to have at least three reference letters submitted. See *http://www.cs.uwyo.edu/search* for full details and application instructions. To ensure full consideration applications should be completed by December 10, 2017, though applications will be accepted until the position is filled.

The Computer Science Department offers B.S., M.S., and Ph.D. degrees in Computer Science. Undergraduate programs are ABET accredited and include concentrations and certificates in Big Data, Cybersecurity, and Machine Learning.

The University of Wyoming is closely affiliated with the NCAR-Wyoming Supercomputing Center (NWSC) located 40 miles east of the University. The Advanced Research Computing Center (ARCC) at the University of Wyoming houses and supports a state of the art computing cluster. Startup packages will include additions to the existing cluster or to the CEDAR Lab, as appropriate. Faculty at UW have tremendous computing resources at their disposal to conduct groundbreaking science.

The University of Wyoming is located in Laramie, WY, a lovely, small college town (population 30,000). Laramie is situated on the high plains at the base of the Rockies. National and state parks, including the Medicine Bow National Forest, are nearby (closest: 30 minute drive) and they provide quick access to all the outdoor activities the Rocky Mountain west is known for. Denver International airport offers daily flights to and from the Laramie airport.

The University of Wyoming is an Equal Employment Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability or protected veteran status or any other characteristic protected by law and University policy. Please see *www.uwyo.edu/diversity/fairness*. We strongly encourage applications from women and other groups underrepresented in computer science.

The University conducts background investigations for all final candidates being considered for employment. Offers of employment are contingent upon the completion of the background check.

U.S. Naval Academy

Distinguished Visiting Professor (Computer Science)

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

The start date of this position is flexible but August 2018 is preferred. We have provisions for either full-time financial support or supplemental support for a professor on sabbatical. The position duration could vary from one to several years. Responsibilities may vary and may include teaching, collaborating with faculty and/or mentoring student research.

The Computer Science Department offers majors in Computer Science and

Information Technology, and contributes to a new major in Cyber Operations. The department is housed in a state of the art building overlooking the scenic Severn River. Our spaces provide outstanding office, laboratory, and research facilities for both students and faculty.

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

For more information on the position, and to apply, go to *https://www.usna.edu/HRO/jobinfo/DistinguishedVisitingProf-CompSci.php*.

Vassar College

Assistant Professor of Computer Science

The Department of Computer Science at Vassar College invites applications for a tenure-track position at the rank of Assistant Professor starting in the 2018-19 academic year. Vassar College is an affirmative action and equal opportunity employer with a strong commitment to

USC Computer Science

USC Viterbi
School of Engineering
Department of Computer Science

APPLY TODAY

https://goo.gl/DznZxB
http://cs.usc.edu

The Computer Science Department (http://cs.usc.edu) at the USC Viterbi School of Engineering (http://viterbi.usc.edu) 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. The USC Viterbi School is committed to increasing the diversity of its faculty and welcomes applications from women, underrepresented groups, veterans, and individuals with disabilities. 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.

Applicants should submit their applications online at: https://goo.gl/DznZxB

Applications must include a cover letter indicating the applicant's area of specialization, a detailed curriculum vitae, a statement on current and future research directions, a teaching statement, and names of at least three professional references. Applicants are encouraged to include a succinct statement on fostering an environment of diversity and inclusion. Applications should be submitted by December 2, 2017. 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 185 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 $185 million annually. With 45 tenure-track, 41 research faculty, and 17 teaching faculty, the USC Department of Computer Science is one of the nations' leading centers of research and education in the field.

USC 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, protected veteran status, disability, or any other characteristic protected by law or USC policy. USC will consider for employment all qualified applicants with criminal histories in a manner consistent with the requirements of the Los Angeles Fair Chance Initiative for Hiring ordinance.

increasing the diversity of the campus community and the curriculum, and promoting an environment of equality, inclusion, and respect for difference. Candidates who can contribute to this goal through their teaching, research, advising, and other activities are encouraged to identify their strengths and experiences in this area. Individuals from groups whose underrepresentation in the American professoriate has been severe and longstanding are particularly encouraged to apply.

The successful candidates will be expected to teach both introductory-level courses, as well as upper-level courses in their area of specialty. A commitment to excellence in undergraduate teaching and research is expected. A Ph.D. in Computer Science is required by the beginning of the 2018-19 academic year. Applicants in all areas of Computer Science are encouraged to apply; candidates in areas of research that complement existing faculty will be given special consideration. Such areas include computing systems and computational science.

To apply, please visit *https://employment.vassar.edu/applicants/Central?quickFind=52319* to link to the posting for this position. Candidates should submit a letter of application, a CV, a statement of teaching experience and philosophy, a statement of research experience, a candidate diversity statement highlighting contributions to and/or future plans for promoting diversity and inclusion through teaching, research and/or professional involvements, an unofficial graduate transcript, and three (3) letters of recommendation, at least one of which directly addresses teaching. Additional information on candidate diversity statements can be found at *http://deanofthefaculty.vassar.edu/positions/candidate-diversity-statement.html*. For further inquiries, email *csFacSearch@vassar.edu*.

Review of applications will begin on November 1st and continue until the position is filled.

Virginia Tech

Collegiate Assistant Professor, Department of Computer Science

The Department of Computer Science at Virginia Tech (*www.cs.vt.edu*) seeks applicants for a collegiate faculty position at the Assistant Professor level. Candidates must have a Ph.D. in computer science or related field at the time of appointment. Collegiate faculty members have a primary commitment to the instructional mission of the department, including graduate and undergraduate teaching, curricular and program development, and the design and integration of innovative and inclusive pedagogy. Successful candidates should give evidence of potential to take a lead role in enhancing curricula and promoting teaching excellence. In addition to teaching, candidates will be expected to participate in research and scholarship, whether on teaching and learning or on other computer science research topics of interest. Candidates will have the opportunity to collaborate with a wide range of research groups in the department, including a thriving group in CS education research. Candidates with demonstrated knowledge of CS education research topics such as education-related software systems, analysis of student data analytics, CS education for non-majors or at the K-12 level, cybersecurity education, distance education, or diversity in CS are encouraged to apply.

The department has 47 teaching faculty including 42 tenured and tenure-track faculty, over 800 undergraduate majors, and more than 250 graduate students. The department is in the College of Engineering, whose undergraduate program ranks 14th and graduate program ranks 27th among U.S. engineering schools (USN&WR, 2017). The department plays a central role in several university-wide initiatives (see provost.vt.edu/destination-areas). Successful candidates will have the opportunity to participate in new transdisciplinary research programs and curricula in Data and Decisions, Integrated Security, Intelligent Infrastructure for Human-Centered Communities, and Creativity & Innovation.

The collegiate faculty rank is a non-tenure-track position that offers a clear promotion path with increasingly long-term contracts. Collegiate faculty are full members of the department faculty, and are expected to participate in sponsored research, mentor graduate students, participate in department and professional service, etc. This position is located at the main campus in Blacksburg, VA, a region consistently ranked among the country's

best places to live. The position requires occasional travel to professional meetings. Successful candidates should give evidence of commitment to issues of diversity in a campus community. Virginia Tech is committed to building a culturally diverse faculty and strongly encourages applications from women and minorities. The selected candidate must pass a criminal background check prior to employment.

Applications must be submitted online to *jobs.vt.edu* for posting #TR0170132. Applicant screening will begin on November 27, 2017 and continue until the position is filled. Inquiries should be directed to Dr. Dennis Kafura, Search Committee Chair, *kafura@cs.vt.edu*.

Virginia Tech is an AA/EEO employer, committed to building a culturally diverse faculty; we strongly encourage applications from women and minorities.

Virginia Tech

Faculty Positions, Department of Computer Science

The Department of Computer Science at Virginia Tech (*www.cs.vt.edu*) seeks applicants for five faculty positions, including two tenure-track Assistant Professor positions in data analytics, a tenure-track assistant professor position in human-centered computing, and two open rank positions in cybersecurity. Candidates must have a Ph.D. in computer science or related field at the time of appointment and a rank-appropriate record of scholarship and collaboration in computing research, broadly defined. Successful candidates should give evidence of commitment to issues of diversity in the campus community. Tenured and tenure-track faculty will be expected to teach graduate and undergraduate courses, mentor graduate students, and develop a high quality research program.

ASSISTANT PROFESSOR IN DATA ANALYTICS – Blacksburg, VA. Posting #TR0170153. Applicant screening will begin on December 1, 2017. Inquiries should be directed to Dr. Chris North, Search Committee Chair, *north@cs.vt.edu*.

ASSISTANT PROFESSOR IN HUMAN-CENTERED COMPUTING – Blacksburg, VA. Posting #TR0170152. Applicant screening will begin on December 1, 2017. Inquiries should be directed to Dr. Doug Bowman, Search Committee Chair, *dbowman@vt.edu*.

FACULTY POSITIONS IN CYBERSECURITY – Blacksburg, VA and National Capital Region (NCR). Posting #TR0170145. Candidates interested in the National Capital Region (Northern Virginia) campus should clearly indicate that in an application cover letter.

For further information and to Apply visit: *jobs.vt.edu* and select posting # indicated for the job position.

These positions require occasional travel to professional meetings. Selected candidates must pass a criminal background check prior to employment. Virginia Tech is an AA/EEO employer, committed to building a culturally diverse faculty; we strongly encourage applications from women and minorities.

Wake Forest University

Assistant Teaching Professor or Professor-of-the-Practice Department of Computer Science

Applications are invited for a full-time teaching professional at the rank of Assistant Teaching Professor or Professor-of-the-Practice. Applicants should have completed a PhD in Computer Science or Computer Engineering or have an M.S. degree with considerable experience. The successful candidate should have a demonstrated potential for excellence in undergraduate education. Emphasis for this position is in computer science education, including curriculum development, learning and teaching method design and implementation, and student engagement outside the classroom. This non-tenure track faculty position is a full-time, nine-month appointment beginning for the 2018-2019 academic year and provides full benefits. Contracts are generally multi-year and renewable.

For more information and to submit an application, you may go directly to the full description and application by clicking *here.* You are also encouraged to visit the Wake Forest University career website *http://www.wfu.careers/* and the department website *http://college.wfu.edu/cs/.*

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 to begin on or after July

1, 2018. Diversity and Inclusion are core values at Washington University, and the strong candidate will demonstrate the ability to create inclusive classrooms and environments in which a diverse array of students can learn and thrive. Although open to all areas of computer science and engineering, this year's search is particularly focused on natural language processing (NLP) and adjacent areas, as well as the broad area of security and cyber-security.

Our 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 through interdisciplinary collaborations. While exceptional candidates from all areas of computer science and engineering will be considered, we particularly welcome those with expertise in one of the following: **(1) natural language processing including its application to other disciplines, (2) theory and practice of data security, privacy, and safety in a world of connected resources and devices.** Successful candidates will show exceptional promise for research leadership and a strong commitment to high-quality teaching. Candidates will be expected to publish their research in peer-reviewed conferences and journals, teach, and participate in department and university service. The department is also continuing its participation in a separate, large-scale recruiting effort of the School of Engineering and School of Medicine in the area of imaging. This effort, which started last year, expects to again recruit several additional faculty in the imaging area this year.

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, 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 7,000 full-time undergraduates and 7,000 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/10124***. *(Candidates for the imaging search should instead visit* ***https://academicjobsonline.org/ajo/jobs/8390***). Other communications may be directed to Prof. Roch Guérin, Department of Computer Science & Engineering, Campus Box 1045, Washington University in St. Louis, One Brookings Drive, St. Louis, MO 63130.

Applications received by December 15, 2017, will receive full consideration. Applications from women and under-represented minorities are especially encouraged. Washington University in St. Louis is committed to the principles and practices of equal employment opportunity. It is the University's policy to recruit, hire, train, and promote persons in all job titles without regard to race, color, age, religion, sex, sexual orientation, gender identity or expression, national origin, protected veteran status, disability, or genetic information. Employment eligibility verification will be required upon employment.

Wellesley College

Instructor in Science Laboratory, Computer Science

Wellesley College invites applications for a full-time Instructor in Computer Science Laboratory, starting in the fall of 2018. Applicants should have a broad background in computer science and strong teaching, writing, and interpersonal skills. A Bachelor's degree in Computer Science or a related field is required (Master's degree preferred). Responsibilities include preparing and teaching laboratory sections in introductory and intermediate computer science courses. The position provides ample opportunity for curriculum development, exploration of new pedagogies, and student mentorship. We are especially interested in candidates whose teaching or service has prepared them to contribute to our commitment to diversity, inclusion, and equity within an academic setting. Information about the department can be found at ***http://www.wellesley.edu/cs***.

Applicants should submit a cover letter, curriculum vitae, and statement about teaching experience and interests at ***https://career.wellesley.edu***. The names/email addresses of three references are requested (the online application will request names/email addresses so that recommenders may submit the letters directly). Applications will be reviewed starting March 1, 2018. If there are difficulties submitting online, please contact ***working@wellesley.edu*** for assistance. Questions about the position should be directed to Brian Tjaden at ***btjaden@wellesley.edu***.

Wellesley College is an Equal Opportunity Employer, and we are committed to increasing the diversity of the college community and the curriculum. Wellesley College and all its subcontractors shall abide by the requirements of 41 CFR 60-1.4(a), 60-300.5(a) and 60-741.5(a). These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities, and prohibit discrimination against all individuals based on their race, color, religion, sex, sexual orientation, gender identity or national origin. Moreover, these regulations require that Wellesley College and all of its subcontractors take affirmative action to employ and advance in employment individuals without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability or veteran status. Candidates who believe they can contribute to that goal are encouraged to apply.

Wellesley College

Lecturer, Computer Science

Wellesley College invites applications for a two-year Lecturer position in Computer Science, starting in July 2018. We seek candidates who are committed to excellence in teaching, spanning introductory through advanced CS courses and including curriculum development. We are especially interested in candidates whose teaching, scholarship, or service has prepared them to contribute to our commitment to diversity, inclusion, and equity within an academic setting. Lecturers teach two courses per semester, engage in mentoring students and department service, and have the opportunity and support to pursue scholarly work. Preference will be given to candidates with a PhD in Computer Science or a related discipline, ABD considered. Strong candidates in any area of specialty will be considered. Information about the department can be found at ***http://www.wellesley.edu/cs***.

Applicants should submit a cover letter, curriculum vitae, and statement of teaching experience and interests at ***https://career.wellesley.edu***. The names/email addresses of three references are requested. (The online application will request names/email addresses so that recommenders or dossier services may submit the letters directly.) Applications will be reviewed starting on February 1, 2018. If there are difficulties submitting online, please contact ***working@wellesley.edu*** for assistance. Questions about the position should be directed to Brian Tjaden at ***btjaden@wellesley.edu***

Wellesley College is an Equal Opportunity Employer, and we are committed to increasing the diversity of the college community and the curriculum. Wellesley College and all its subcontractors shall abide by the requirements of 41 CFR 60-1.4(a), 60-300.5(a) and 60-741.5(a). These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities, and prohibit discrimination against all individuals based on their race,

color, religion, sex, sexual orientation, gender identity or national origin. Moreover, these regulations require that Wellesley College and all of its subcontractors take affirmative action to employ and advance in employment individuals without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability or veteran status. Candidates who believe they can contribute to that goal are encouraged to apply.

Wellesley College

Tenure-Track Assistant Professor, Computer Science

Wellesley College invites applications for a tenure-track Assistant Professor position in the Computer Science Department starting in July 2018. The Computer Science Department is strongly committed to outstanding teaching and scholarship, and to providing students with the best possible research experiences. We are especially interested in candidates whose teaching, scholarship, or service has prepared them to contribute to our commitment to diversity, inclusion, and equity within an academic setting. The position has a teaching load of two courses per semester, with the opportunity to develop new courses in the candidate's area of specialty and support for a vigorous program of research. Preference will be given to candidates with a PhD in Computer Science or a related discipline, ABD considered. Strong candidates in any area of specialty will be considered. Information about the department can be found at *http://www.wellesley.edu/cs*.

Worcester Polytechnic Institute

Professor (Open Rank)

Looking for faculty colleagues who engage deeply in both research and teaching 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 2018 whose expertise is in the following areas:

1) Human-Computer Interaction;
2) Visualization and Visual Analytics;
3) Dependable Software Systems;
4) Algorithms, particularly with expertise that may be complementary to interdisciplinary programs in Bioinformatics, Data Science and Learning Science;
5) Robotics, joining faculty in our interdisciplinary Robotics Engineering program,
6) Interactive Media and Game Development, joining faculty in our interdisciplinary Interactive Media & Game Development program, and
7) Computational Neuroscience, working with faculty in Biology and our interdisciplinary Bioinformatics and Computational Biology program.

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.

WPI's reputation as a rigorous and innovative university rests on the shoulders of its faculty. A highly selective, private technological university and one of the nation's first, WPI believes that when great minds work together, great advances follow. At WPI the boundaries to multidisciplinary collaboration are low---faculty members, students, and other partners work together on the real-world projects and purposeful research that are hallmarks of the WPI experience. We are most proud of a recent No. 1 ranking for "faculty who best combine research and teaching." (Wall Street Journal/Times Higher Ed, 2016). Located one hour west of Boston, the university's campus is in Worcester, Massachusetts, a thriving 21st century college city recognized as a growing hub of scientific and technological innovation.

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://web.cs.wpi.edu/facultyhire/. You will need to include detailed research and teaching statements, vitae and contact information for at least three references.

The deadline for applications is December 15, 2017 with applications continuing to be considered after that date until the positions are filled.

WPI is an Equal Opportunity Employer. All qualified candidates will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, national origin, veteran status, or disability. We are seeking individuals with diverse backgrounds and experiences who will contribute to a culture of creativity and collaboration, inclusion, problem solving and change making.

GREAT MINDS at WORK

Applicants should submit a cover letter, curriculum vitae, statement of teaching experience and interests, and statement about research accomplishments and future plans at *https://career.wellesley.edu*. The names/email addresses of three references are requested. (The online application will request names/email addresses so that recommenders or dossier services may submit the letters directly.) Applications will be reviewed starting on December 15, 2017. If there are difficulties submitting online, please contact *working@wellesley.edu* for assistance. Questions about the position should be directed to Brian Tjaden at *btjaden@wellesley.edu*.

Wellesley College is an Equal Opportunity Employer, and we are committed to increasing the diversity of the college community and the curriculum. Wellesley College and all its subcontractors shall abide by the requirements of 41 CFR 60–1.4(a), 60–300.5(a) and 60–741.5(a). These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities, and prohibit discrimination against all individuals based on their race, color, religion, sex, sexual orientation, gender identity or national origin. Moreover, these regulations require that Wellesley College and all of its subcontractors take affirmative action to employ and advance in employment individuals without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability or veteran status. Candidates who believe they can contribute to that goal are encouraged to apply.

Wesleyan University

Assistant Professor of Computer Science

The Department of Mathematics and Computer Science at Wesleyan University invites applications for a tenure track assistant professorship in Computer Science to begin in Fall 2018. We encourage candidates in all areas of Computer Science to apply, including those who deepen our existing research strengths, and especially encourage candidates who can contribute to the diversity (broadly conceived) of the department. The teaching load is 2/1 (three courses per year).

We will begin reviewing applications on Dec. 1, 2017. Applications must be submitted online at *https://academicjobsonline.org/ajo/jobs/9599*, where the full job description may be found.

Westminster College

Assistant Professor of Computer Science

Westminster College is hiring an Assistant Professor of Computer Science to begin teaching a 3/3 load in August 2018. With an average class-size of 17 students, Westminster is committed to creating active-learning classroom environments to facilitate the learning of all students. The ideal candidate would have a PhD and teaching experience, but candidates with a Masters and teaching experience will be considered.

Review of applications will begin December 18, 2017, and continue until the position is filled. *http://bit.ly/wc-cs-job*

Yale University

Senior Lecturer or Lecturer

The Yale Computer Science Department invites applications for a position at the rank of Lecturer or Senior Lecturer, to start in the 2018-2019 academic year. Applicants are expected to excel in the teaching of large introductory courses. Opportunities to teach upper-level courses, to supervise student projects, and to collaborate with Yale's world-class faculty in numerous computationally active fields are also available. The department's home page can be found at *http://cpsc.yale.edu*.

A candidate should hold (or expect to receive by the end of 2018) a Ph.D. in computer science or a related discipline. The department will start reviewing applications on December 15, 2017, and will continue until the position is filled. Please apply at *http://apply.interfolio.com/45792*.

Yale University is an Affirmative Action/Equal Opportunity employer. Yale values diversity among its students, staff, and faculty and strongly welcomes applications from women, persons with disabilities, protected veterans and underrepresented minorities.

York University

Assistant Professor (1) and Associate Professor (1)

The Department of Electrical Engineering and Computer Science, York University, is seeking two outstanding

candidates, one at the rank of Associate Professor and one at the rank of Assistant Professor, in the area of Communications and Controls although exceptional applicants from other areas in Electrical Engineering may also be considered. One of the positions is aimed at vision and robotic systems and will be partially supported by the Canada First Research Excellence Fund (CFREF) Vision: Science to Application (VISTA) program *http://vista.info.yorku.ca/*. Successful candidates will have a PhD in Electrical Engineering, or a closely related field, and a research record commensurate with rank. The appointments will commence on July 1,2018, 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 which the candidate wishes to be considered, a detailed CV, statement of contribution to research, teaching and curriculum development, three sample research publications and contact information for three referees. Complete applications must be received by **November 30, 2017**.

York University is an Affirmative Action employer and strongly values diversity, including gender and sexual diversity, within its community. The Affirmative Action Program, which applies to women, Aboriginal people, visible minorities and people with disabilities, can be found at *http://acadjobs.info.yorku.ca/affirmative-action/* 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.

York University

Assistant Professor

The Department of Electrical Engineering and Computer Science, York University, is seeking an outstanding candidate at the rank of Assistant Professor in the area of Computer Systems although exceptional applicants from other areas in Computer Science may also be considered. The successful candidate will have a PhD in Computer Science, or a closely related field, and a research record commensurate with rank. The appointment will commence on July 1,2018, 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 which the candidate wishes to be considered, a detailed CV, statement of contribution to research, teaching and curriculum development, three sample research publications and contact information for three referees. Complete applications must be received by **November 30, 2017**.

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