



CRA

Computing Research
Association

Computing Research News

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

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Nominees by Petition Sought for CRA Board



The Computing Research Association seeks your help in suggesting nominations for its Board of Directors. We seek individuals who have time, energy,

initiative, and resources to work on CRA issues on behalf of the entire CRA community. Ours is a working board, and all members are expected to work on community issues.

On December 18, 2014, the CRA Elections Committee announced its slate of nominees for a seat on the Board of Directors. CRA encourages nominations by petition as well. Petition nominations signed by the Designated Voting

Representatives of **at least five** Constituent Member Organizations that are current in dues payment will be accepted until **February 6, 2015**.

A complete nomination package for petition candidates must reach CRA via e-mail (elections@cra.org) **no later than February 6, 2015**. E-mail submissions as Word attachments

or in straight ASCII text are accepted. Separately, each of the five supporters of the petition should send an e-mail to elections@cra.org simply stating their support for the petition candidate to run for a seat on the CRA Board of Directors. [Click here to download the nomination form](#). Questions can be sent to elections [at] cra.org.

Important upcoming dates and events:

- ▶ On February 13, 2015, final ballots will be distributed to all CRA department chairs and lab directors. Each will have one vote for each open slot on the board.
- ▶ On February 27, 2015, completed ballots must be returned to CRA.
- ▶ In early March, the election results are announced.

CRA Board Update

CRA has four new board members: David Culler (UC Berkeley), Eric de Sturler (Virginia Tech), David Ebert (Purdue), and Lise Getoor (UC Santa Cruz). Culler replaces Jim Kurose, who stepped down to become CISE AD, de Sturler replaces Robert Schreiber as the SIAM representative, Ebert replaces David Bader as the IEEE-CS representative, and Getoor replaces Henry Kautz as the AAAI representative. CRA thanks Bader, Kautz, Kurose and Schreiber for contributions during their service on the board.



Lise Getoor

Lise Getoor is a Professor in the Computer Science Department at UC Santa Cruz. Her research areas include machine learning and reasoning under uncertainty, with an emphasis on graph and network data. She is a AAAI Fellow,

serves on the International Machine Learning Society board, was co-chair for ICML 2011, and is a recipient of an NSF Career Award and eight best paper and best student paper awards. She received her PhD from Stanford University, her MS from

UC Berkeley, and her BS from UC Santa Barbara, and was a professor at the University of Maryland, College Park from 2001-2013.



David Culler

David Culler is a Professor and Chair of Electrical Engineering and Computer Sciences, and Faculty Director of i4energy at the University of California, Berkeley. Professor Culler received his B.A. from U.C. Berkeley in 1980, and M.S. and Ph.D. from

MIT in 1985 and 1989. He has been on the faculty at Berkeley since 1989, where he holds the Howard Friesen Chair. He is a member of the National Academy of Engineering, an ACM Fellow, an IEEE Fellow and was selected for the 2013 Okawa Prize, ACMs Sigmod Outstanding Achievement Award, Scientific American's 'Top 50 Researchers', and Technology Review's '10 Technologies that Will Change the World'. He has received Test-of-Time awards from Sensys, Usenix, NSDI, SIGCOMM, PLDI, HPDC, and ISCA. He received the NSF Presidential Young Investigators award in 1990 and the NSF Presidential Faculty Fellowship in 1992. He was the Principal Investigator of the DARPA Network Embedded Systems Technology project that created the open platform for wireless sensor networks based on TinyOS, and was co-founder and CTO of Arch Rock Corporation and the founding Director of Intel Research, Berkeley. He has done seminal work on networks of small, embedded wireless devices, planetary-scale internet services, parallel computer architecture, parallel programming languages, and high performance communication, and including TinyOS, PlanetLab, Networks of Workstations (NOW), and Active Messages. He has served on Technical Advisory Boards for several companies, including People Power, Inktomi, ExpertCity (now CITRIX on-line), and DoCoMo USA. He is currently focused on utilizing information technology to address the energy problem and is co-PI on the NSF CyberPhysical Systems projects LoCal and ActionWebs and PI on Software Defined Buildings.



Eric de Sturler

Eric de Sturler is a professor of Mathematics at Virginia Tech. Previously, he was a computer science professor at the University of Illinois at Urbana-Champaign and a senior researcher at the Interdisciplinary Project Center

for Supercomputing, ETH Zurich. He works on the theory and development of iterative methods for large linear

and nonlinear problems, optimization, inverse problems, and their applications. He is a Leslie Fox prizewinner. His research is highly interdisciplinary, including collaborations on photosynthesis and optimizing plants for carbon fixation, parallel computing, tomography and computer graphics, the optimal design of structures, electronic structure computations for deep earth materials, and the astrophysics of gamma-ray bursts. His work has been supported by major grants from NSF, DOE, NASA, AFOSR, and Sandia National Labs.



David Ebert

David Ebert is the Silicon Valley Professor of Electrical and Computer Engineering at Purdue University, a University Faculty Scholar, a Fellow of the IEEE, and Director of the Visual Analytics for Command Control and Interoperability Center (VACCINE), the Visualization

Science team of the Department of Homeland Security's Command Control and Interoperability Center of Excellence. Dr. Ebert performs research in novel visualization techniques, visual analytics, volume rendering, information visualization, perceptually-based visualization, illustrative visualization, mobile graphics and visualization, and procedural abstraction of complex, massive data. Ebert has been very active in the visualization community, teaching courses, presenting papers, co-chairing many conference program committees, serving on the ACM SIGGRAPH Executive Committee, serving as Editor in Chief of IEEE Transactions on Visualization and Computer Graphics, serving as a member of the IEEE Computer Society's Publications Board, serving on the IEEE Computer Society Board of Governors, and successfully managing a large program of external funding to develop more effective methods for visually communicating information.

CCC 2015 Nominations



The Computing Community Consortium (CCC) is charged with catalyzing and empowering the U.S. computing research community to articulate and advance major research directions for the field. To do so, the CCC needs truly visionary leaders – people with great ideas, sound judgment, and the willingness to work hard to see things

to completion. Please help the computing community by nominating such people for the Council.

Established in 2006 through a cooperative agreement between the [U.S. National Science Foundation](#) and the [Computing Research Association \(CRA\)](#) – representing over 220 North American academic departments, industrial research labs, and professional societies with computing research interests, the *CCC provides a voice for the national computing research community, and facilitates the development of a bold, multi-themed vision for computing research, and communicates that vision to a wide range of major stakeholders.*

For more information about the CCC, please visit our [website](#) and [blog](#).

The work of the CCC is carried out by an active and engaged [Council](#), currently led by [Greg Hager](#) (Johns Hopkins University) as Chair and [Beth Mynatt](#) (Georgia Tech) as Vice Chair. The members of the Council are appointed by CRA in consultation with NSF, with staggered three-year terms. In

the aggregate, the Council must reflect the full breadth of the computing research community – research area, institutional character, geographic diversity, etc. The CCC is staffed by a full-time director, [Ann Drobnis](#).

The CCC's Nominating Subcommittee invites nominations (including self-nominations) for members to serve on the CCC Council for the next three years, beginning July 1, 2015.

Please send nominations, together with the information below, to ccc-nominations@cra.org by 11:59pm EST on Thursday, February 6, 2015. The subcommittee's recommendations will serve as input to CRA and NSF, who will make the final selection.

- ▶ Name, affiliation, and email address of the nominee.
- ▶ Areas of research expertise.
- ▶ Previous significant service to the research community and other relevant experience, with years it occurred (no more than *five* items).
- ▶ A brief biography or curriculum vitae of the nominee.
- ▶ A statement from the nominee of less than one page, supporting his or her nomination by describing his or her ideas for, and commitment to, advancing the work of the CCC in encouraging new research directions, engaging broader communities, and finding wider funding sources.

New ACM Fellows



Congratulations to Eric Grimson (former CRA Board Chair and current Board Member) and Daniela Rus (CCC Council Member) for being named as ACM Fellows for Innovations in Computing! ACM has recognized 47 of its members for their contributions to computing that are driving innovations across multiple domains and disciplines.

Federal Budget Report and Congressional Outlook for 2015

By Peter Harsha and Brian Mosley

Fiscal Year 2015 Budget End-of-Year Report

Congress decided to be more Kris Kringle than Scrooge with science research budgets in its end-of-the-year budget wrap-up, delivering some surprising, but mostly small, increases to science agencies' efforts. It was particularly good, relatively speaking, for the computing fields. While certainly not great, it was much better than simply flat funding or, worse, budget cuts like those endured by many other programs within the funding bills. And it certainly starts 2015 on a good note.

With the Republican victory in the November elections behind them, the concern in Congress returned to consideration of the Fiscal Year 2015 budget in late November and early December. That consideration became clouded with the outcome of the Mid-term elections and concern about fallout from President Obama's executive order on immigration enforcement. The concern was over whether the lame duck Congressional Republicans would block consideration of the FY15 budget at the end of the calendar year, punting it to early 2016 (and the fully Republican Congress), or take care of it in 2014 and "clear the decks" for the incoming Republican controlled Congress.

Fortunately, Congress learned its lesson from the 2013 Government Shut Down and did not play politics with the funding of government operations (though there were some notable attempts that failed). The week of December 8th, Congress moved forward with consideration of what was called a "CRomnibus." As the name implies, this is a cross between a continuing resolution (or CR) and an omnibus funding bill. Of the 12 appropriation bills, 11 were rolled into an omnibus using negotiated funding levels between the House and Senate. Only Homeland Security failed to get a new appropriation. Instead, Homeland Security will operate under continuing resolution through the end of February, to give congressional Republicans an opportunity to look more closely at President Obama's recent executive orders on immigration. The way the budget was finally settled is noteworthy because this could be a sign of how future budgets will be handled over at least the next two years.

The bill is not awful for science research generally, considering this new budget environment ("flat is the new doubling!"), and decent for computing research specifically. The National Science Foundation will receive \$172 million more in FY15 than FY14, not quite splitting the difference between the House and Senate numbers (the House was a 3.3 percent increase, or about \$251 million over FY14; and the Senate was a 1.2 percent increase, or \$83 million). The bill brings the agency's total budget to \$7.3 billion, an increase of about \$89 million more than the President requested. From the additional funding the committee wants more work targeted at, "advanced manufacturing, and for research in cyber-security and cyber-infrastructure." While not as big of a win as outgoing House CJS Appropriation Chairman Frank Wolf (R-VA) had hoped for the agency, the \$172 million increase is still a big win given the flat or declining funding many other important programs received in the bill.

Additionally, neither the bill nor the accompanying explanatory statements (which essentially have the force of law) include any mention of or reduction to information diffusion research programs at NSF (such as Truthy, see below). In fact, there's no special language implementing any of the burdensome elements of House Science Committee Chairman Smith's FIRST Act. That's a positive for all NSF funded scientists.

The Department of Defense (DOD) was more mixed. The 6.1 program, which handles basic research, will receive an increase of \$112 million over FY14, coming in at \$2.28 billion for FY15. However, the 6.2 program, which handles applied research, will see a reduction of \$38 million from FY14 levels; total for FY15 would be \$4.605 billion. The 6.3 program, which focuses on advanced technology development, would increase by \$155 million over FY14 to \$5.53 billion. DARPA will receive an increase of \$136 million and finish out FY15 at \$2.91 billion.

At the Department of Energy's (DOE) Office of Science, the budget will remain flat – it will receive the same funding as in FY14. Despite the flat funding for the office, the Advanced Scientific Computing Research (ASCR) program will receive a \$62 million increase, matching the agency request for FY15.

In fact, ASCR and the Fusion Research program are the only two Office of Science programs called out for increases in the bill. Included in the ASCR funding is \$91 million for exascale; \$104 million for Oak Ridge LCF; \$80 million for Argonne LCF; \$75 million for NERSC; and \$3 million for the Computational Sciences Graduate Fellowship program, a program that CRA joined with SIAM to urge Congress to continue. (And they have.) The Advanced Research Projects Agency-Energy (or ARPA-E) would remain flat for FY2015.

The National Institute of Standards and Technology will receive a slight bump. NIST's Science and Technical Research and Services (STRS) account, which contains much of research the agency performs, would increase to \$675.5 million in FY15. Included in that is \$15 million for the National Cybersecurity Center of Excellence, up to \$60.7 million for cybersecurity R&D; \$4 million for cybersecurity education; and \$16.5 million for the National Strategy for Trusted Identities in Cyberspace.

To recap, a good number of pluses, with a few minuses, for science budgets generally, but a bunch of pluses for computing. Given the somewhat contentious environment on Capitol Hill that NSF is experiencing, their budget for 2015 is a victory. While it could always be better, any increases to federal budgets are getting more rare and, with no policy riders to their operations or mission, it could be significantly worse. The same is true for the other agencies: with flat funding considered "good" by federal agencies, any budget increases should be seen as "very good."

Congressional Outlook for 2015

With the Fiscal Year 2015 budget settled, and a new calendar year ahead, the question becomes what will the new 114th Congress, which was sworn into office on Monday January 5th, look like and how will they operate? In the November 2014 Mid-term elections the Republican Party gained a 54 seat majority in the Senate, and were able to increase their majority in the House. How will a fully Republican Congress work together with a Democratic President? Probably badly.

The President will no longer have the buffer of a Democratic Senate to help blunt some of the attacks Republicans are sure to level at his priorities. How will this impact the operations of the government? Republicans will push more strictly Republican priorities through Congress, though the rules of the Senate still give the minority some influence in

that process. Whether those priorities will get through the bottleneck of the Senate depends on some potential culture (http://www.rollcall.com/news/republicans_have_the_senate_now_what_happens_to_the_filibuster_commentary-238018-1.html) and procedural (http://www.huffingtonpost.com/2014/11/21/republicans-senate-filibuster-reform_n_6194198.html) changes in the chamber, but it's likely that at least some Republican legislation will be sent to the President's desk. The President has only deployed his veto twice during his administration, but it's likely to get more of a workout over the next two years.

One obvious concern for the computing community is whether there will be another government shutdown. While Republican leadership has insisted there won't, there's certainly a faction of the party that sees the shut down as a legitimate tool to make progress on policy goals. Whether there will be a shut down then comes down to whether the leadership can keep a tight grip on party unity in the wake of some big decisions – like another increase to the debt limit – in the coming months.

But assuming that the Republicans are able to stay united (maybe a big assumption), and put legislation on the President's desk, how can they be sure he will sign it? There are two ways to do this. The first is to make the legislation bipartisan. This route is less likely, as the Republican's mid-term mandate was built on being in opposition to the President. That leaves the second option, which is attaching veto-likely bills to must pass legislation, such as defense spending or something similar. The idea is to force the President to sign the legislation into law or risk taking all the political heat for vetoing it. That includes any potential shutdown if they can't agree on a bill.

Additionally, any authorizing bills (aka: policy bills) that Congress passes will likely be very Republican in nature. For example, we can expect the FIRST Act (<http://cra.org/govaffairs/blog/2014/05/first-act-marked-up-sci-com/>) to be reintroduced. However, we won't know in what form it will be reintroduced; will it be exactly as it was when it passed the House floor this year, or will it be even more onerous in nature? And how will it fare in a Republican Senate? And if it does pass Congress, will the President expend political capital to veto it?

There are a large number of unknowns coming into the 2015 calendar year. Right now, the policy community of Washington is divided on the possibilities of another shutdown and how much, if at all, the Republicans will change the Senate. Only time will tell. As always, we will be monitoring Congress all year, so be sure to follow developments on the Policy Blog (cra.org/govaffairs/blog).

Truthy and Political Attacks on NSF Grant Process

As science policy watchers are aware, there have been a recent spate of attacks in political and media circles that target Federal science agencies and individual Federally funded grants. CRA and its affiliates in the computing community have been heavily involved in defending computing researchers from mischaracterizations of their work by the media and the GOP leadership (<http://cra.org/govaffairs/blog/2014/11/computing-community-weighs-in-on-truthy-controversy/>), but there have been other concerns as well:

- ▶ House Science Committee requests for detailed oversight of individual NSF grant review material
- ▶ Attacks on wasteful spending at NIH/CDC in light of Ebola crisis
- ▶ Sen. Tom Coburn's (R-OK) final "Wastebook" report, citing frivolous spending in 5 NIH grants, 10 NSF grants, and 6 NASA grants.

All address the broader notion that taxpayer dollars are being wasted on frivolous research at the expense of other research that contributes to "real" issues of national concern. And as we've already seen, it's likely the scrutiny will only increase with the Senate now in GOP hands.

CRA has joined with a broad coalition of science and professional societies with the goal of developing ideas for contending with the near- and long-term challenges posed by these attacks, and figuring out ways to bring the broader community together to develop a more comprehensive strategy. Of all the issues we're working right now, this one strikes deepest at the public's faith in the credibility of the scientific enterprise. CRA and our allies in the computing community have already weighed in – and will continue to weigh in – in defense of science. You'll be hearing more from us and our partners throughout the scientific community on this issue in the coming months.

DEADLINE EXTENDED: Applications to 2015 LISPI now accepted until January 23rd

Due to extra availability we are extending the deadline for nominations and applications to the **2015 Leadership in Science Policy Institute** workshop (LISPI) to **January 23rd**. We have also pushed back notifying selectees to February 2nd. If you know of someone who meets the qualifications and you would like to **nominate them**, or if you were nominated but missed the deadline to get in your application, now is your chance.

For some more background, check out the **LISPI webpage** and the **original post** on this year's workshop.

An Early Greeting from CISE

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



It is with great pleasure that I am writing this contribution to *CRN* in my new capacity as the Assistant Director (AD) of NSF for Computer and Information Science and Engineering. It's an incredible privilege, and I'm honored and excited to begin serving the community in this role.

These are exciting and important times for our field. It's a time of great advances within the core of computing, as well as unprecedented opportunities for research at the interfaces between computing, cyberinfrastructure, and many other disciplines. Within our core, we are seeing myriad advances in the increasingly intelligent computing systems that have become so inextricably woven into our lives; in the scale, functionality, effectiveness, security and resiliency of these systems; and in their underlying theoretical foundations. At the interfaces, computing plays a central role in recent national initiatives such as the Brain Research through Advancing Innovative Neurotechnologies (BRAIN) Initiative, the National Big Data Research and Development Initiative, the National Robotics Initiative (NRI), US Ignite, and more. Taken together, our research and education investments are central to addressing national priorities, including health and well-being, environmental sustainability, public safety, advanced manufacturing, transportation, clean energy, and education and workforce development.

On campuses across the country, our discipline is becoming phenomenally popular. The numbers of computer and information science and engineering undergraduate majors are soaring, and our courses are in high demand from all students, many from other disciplines. Computational thinking is being widely embraced today. Indeed, we are seeing many students moving far beyond computational fluency and into our more advanced courses. The confluence of computing, statistics, and domain applications in numerous emerging data sciences programs is helping to fuel this interest.

I spent much of this past fall serving as an expert at NSF, becoming acquainted with leadership and staff at NSF and other agencies, and participating in several key meetings. The breadth and quality of CISE activities, and the innovations and discoveries throughout our community are breathtaking (and I write this even having served on the CISE Advisory Committee for a number of years, where I was able to understand the directorate at a deeper level). In thinking about the future, let me highlight a few key areas for our community:

CISE has a long history of working across boundaries to create meaningful, lasting partnerships that leverage our investments and interests in mutually beneficial ways. Partnerships with private industry, non-profits, and other government entities, including state and local governments, are an important means to grow the impact of our research and education efforts. A new report published this past fall by the American Academy of Arts & Sciences, "[Restoring the Foundation: The Vital Role of Research in Preserving the American Dream](#)," which I highly recommend, points to partnerships as a critical means to ensure America's standing as an innovation leader. CISE has already established a number of exceptional partnerships (e.g., with other federal agencies, the private sector, non-profits, international funding organizations, and many others), and we will continue to highlight and build on the momentum of these partnerships in 2015. Partnerships can serve to further strengthen our core research areas, which remain critical to our discipline, as well as to build bridges with other disciplines and application areas.

CISE education and workforce development activities provide another compelling example of the power of partnerships. The numerous collaborations among NSF, state and local governments, industry partners, and non-profits such as Code.org – all building on NSF's efforts over



the past decade to increase access to computer science at the K-12 levels – were on full display at the [December 2014 White House Office of Science and Technology Policy \(OSTP\) event for CS Education Week](#). Of course, our community's challenges extend beyond K-12. The surging enrollments of undergraduates in computing – both from CS majors and non-majors alike – provide a challenge for many CS programs. However, they also represent an important national need and an opportunity for our community in preparing a data- and computationally-empowered workforce. This is especially true in light of the pervasive nature of computer and information science and engineering across nearly all disciplines in academia and across all sectors of society.

The demand for advanced computing infrastructure is also on the rise. Cyberinfrastructure is crucial to enabling U.S. research and education across all fields of study. To meet the diverse needs of many research areas, it is critical to support cutting-edge cyberinfrastructure (computing, data, software, and people) at all scales – from sustained petascale capabilities to mid-range cloud computing and increased capacity. Two very important activities are ongoing this year in this area. The first is a National Academies study entitled, "Future Directions for NSF Advanced Computing Infrastructure to Support U.S. Science and Engineering in 2017-2020," for

which an [interim report](#) was published in October 2014. The second activity is the formulation of an interagency advanced computing strategy led by OSTP.

We have much to look forward to in the year ahead! On that note, I want to take the opportunity to thank Farnam Jahanian for his leadership during his tenure as the CISE AD. I am extremely lucky to be following him – he's built a solid foundation for the growth that our community is experiencing now and into the future, and he's assembled and led a remarkable, talented, and dedicated team at NSF. I also want to thank Suzi Iacono, who provided steady stewardship and leadership of the directorate as Acting AD during the transition this past fall.

I'm looking forward to working with you during my tenure as CISE AD at NSF. Working together, we can build upon decades of advances and continue to push forward the frontiers of computer and information science and engineering and meet important national needs, with the power to change the world for decades to come. You will be hearing from me regularly as we move into this exciting future together.

2015 CRA Outstanding Undergraduate Researcher Awards

By CRA Staff



This year's nominees were a very impressive group. A number of them were commended for making significant contributions to more than one research project, several were authors or coauthors on multiple papers, others had made presentations at major conferences, and some had produced software artifacts that were in widespread use.

Many of nominees had been involved in successful summer research or internship programs, many had been teaching assistants, tutors, or mentors, and a number had significant involvement in community volunteer efforts.

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

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

Female, non-PhD-granting institutions

Winner



Emma Harrington, Williams College

Emma Harrington is a senior computer science and economics double major at Williams College. Her research is on investigating what motivates people to produce free content online. She hopes this will shed light on why people contribute to public goods on the Internet. Recently, Emma submitted a poster to the CRA undergraduate research poster competition at Grace Hopper

Celebration of Women in Computing and gave a short public presentation about her research. In addition to her research, Emma was a teaching assistant for multivariable calculus and captain of the Williams Varsity Softball team.

Finalists

Priya Donti, Harvey Mudd College

Lisa Jones, United States Military Academy, West Point

Male, non-PhD-granting institutions

Winner



Hyunsu Cho, Trinity College

Hyunsu Cho is a senior computer science and mathematics double major at Trinity College. His computer science senior project is on hypergraph spectral clustering on GPUs and image classification where he is developing effective learning algorithms suitable for parallel environments. Hyunsu has been a teaching assistant in the computer science department since 2012 as well as a research assistant working on several research projects in medical imaging and scientific computing.

Runner-up



William Rathje, University of Puget Sound

William Rathje is a senior computer science and English literature double major at the University of Puget Sound. His senior project is on augmented reality and outdoor localization for mobile devices. William, and his team, developed an iPhone and Android app that provides worldwide outdoor localization using a custom GPS/compass sensor-based augmented reality algorithm. In addition to his

research, William is the lead tutor for the Center of Writing, Learning, and Teaching at the University of Puget Sound. He has worked with hundreds of students on writing and public speaking.

Finalist

Rowan Zellers, Harvey Mudd College

Honorable Mention

Eric Mustee, John Carroll University

Female, PhD-granting institutions

Winner



Urvashi Khandelwal, University of Illinois, Urbana-Champaign

Urvashi Khandelwal is a senior computer science major and mathematics minor at the University of Illinois, Urbana-Champaign. Her research interest includes modeling

and mining large-scale entity-rich information networks, which can capture real world semantics. In addition to her research, Urvashi has been a teaching assistant for a number of courses, holding office hours, and teaching discussion sections.

Runner-up



Danaë Metaxa-Kakavouli, Brown University

Danaë Metaxa-Kakavouli is a senior computer science and science & society double major at Brown University. Her senior honors thesis is on developing machine learning techniques to give sleep

recommendations. In the future, she plans to continue using interdisciplinary methodologies and tools, anchored in computer science, to lead research that produces valuable data, user-facing technologies, and theoretical insight in Human-Computer Interaction. In addition to her research, Danaë has been a teaching assistant for a number of

computer science classes, holding office hours and developing course materials.

Finalists

Saloni Parikh, University of Washington, Seattle

Sahaana Suri, University of California, Berkeley

Honorable Mentions

Rachel Gordon, University of Massachusetts, Amherst

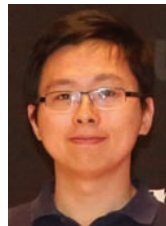
Rachel Holladay, Carnegie Mellon University

Caroline Lemieux, University of British Columbia

KimYen Truong, University of Washington, Seattle

Male, PhD-granting institutions

Winner

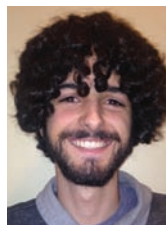


Danfei Xu, Columbia University

Danfei Xu is a senior computer science major at Columbia. His research interests and contributions are related to sensory perception of robotic systems; in particular, tactile sensing, visual perception, and sensor

fusion. Recently, he contributed to a research project related to robotic manipulation. The goal of the project was to have a robot pick up a garment. Danfei developed a "local grasp" function in which a robotic arm move along a fixed trajectory around the garment while recording the readings of distance sensor mounted under the arm. The local grasp function was able to reconstruct a local transverse section of the garment.

Runner-up



Brett Boston, University of Washington, Seattle

Brett Boston is a senior computer science major at the University of Washington. His research is aimed at using type systems and type interference to make it easier for programmers to guide the appropriate use of approximation.

In addition to his research, Brett is currently a Coursera Teaching Assistant, working on an autograder for the Coursera programming languages course. This involves maintaining a system that can handle thousands of code submissions per week in a secure and reliable manner.

Finalists

Cenk Baykal, University of North Carolina, Chapel Hill
Dexter Duckworth, Mississippi State University
Aaron Lindsey, Texas A&M University
Nicholas Sharp, Virginia Tech

Honorable Mentions

Youngduck Choi, New York University
Matthew Kilgore, Lehigh University
Alexander Lalejini, Mississippi State University
Kevin Lee, Cornell University
Louis Li, Harvard University
Xiang Zhi Tan, University of Wisconsin, Madison
Christopher Yu, Cornell University

2015 Sponsor: Microsoft Research

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

2015 Selection Committee

Tom Wexler (Oberlin College), Chair
Eric Aaron (Vassar College)
Jeffrey Forbes (Duke University)
James Geller (New Jersey Institute of Technology)
Lori Pollock (University of Delaware)
John Reppy (University of Chicago)
Lydia Tapia (University New Mexico)



Expanding the Pipeline:

From Graduate Student to Fellow: Research Community, Membership Levels, and Recognition

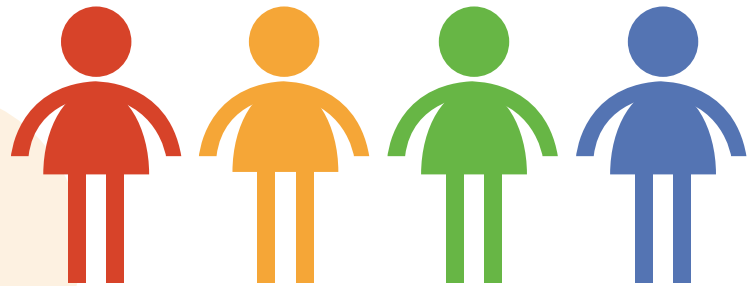
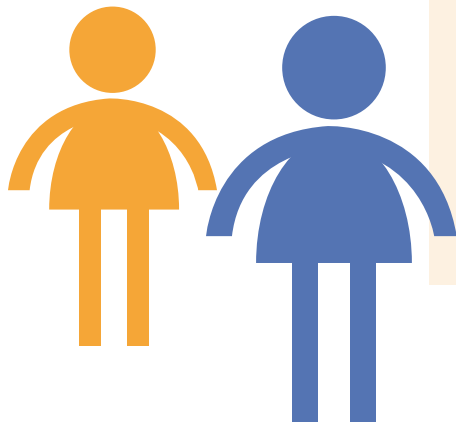
By Kathryn S McKinley
mckinley@microsoft.com



Every computer science graduate student learns early in their career which publication venues best match their research interests and where the best work in their area is appearing. These conferences are your research home. Every year, you should endeavor to submit, attend, network, and read the papers in

these venues. For example, because I work in programming language design and implementation, I regularly read, attend, and submit to PLDI, OOPSLA, and ASPLOS. These activities build research expertise, expose you to new ideas and methodologies, help you focus your research efforts on important problems, and integrate you into your research community (Matthews, 2014).

Another aspect of community, sometimes overlooked, is joining the Computer Science Professional Societies (AAAI, ACM, IEEE, and USENIX), the volunteer organizations that sponsor the venues. Immediate student benefits include reduced conference registration fees, preference when applying for conference travel grants, and digital library access to publications, tutorials, and other resources. As your career progresses, professional societies offer a variety of community, leadership, and recognition opportunities.



Community Leadership

As a young or senior professional, you have the opportunity to shape your research community. For example, you can serve on program committees, help organize conferences and workshops, and become a Special Interest Group officer. In these roles, you can influence the research directions, standards, and culture of your community. For instance, when I was elected and served on the SIGPLAN EC (1999-2001), I initiated *20 Years of the ACM SIGPLAN Conference on Programming Language Design and Implementation 1979-1999: A Selection* (McKinley, 2004) to improve scholarship in my community. By highlighting influential historical work and curating a selection, we wanted to encourage students and researchers to read and cite more of them. As program chair of ASPLOS, I instituted double-blind reviewing to reduce bias (McKinley, 2008). Sarita Adve, in her role as 2014 ASPLOS Program Chair (ASPLOS, 2014), improved community scholarship by instituting a no page limit on references policy, which is quickly being adapted in Architecture, Programming Language, and Systems' conferences. By taking on these roles, you have an opportunity to improve your community. Research is a social process. The community needs your great research ideas, your service, and your inclusive practices.

Community Recognition

Your community supports you in your career by recognizing your accomplishments. For instance, AAAI, ACM, and IEEE all recognize member contributions to research, education, and service with membership levels and awards. This recognition is easy for your manager, department chair, deans, and other administrators to understand. Research and service recognition help build social capital in your institution, your research community, and the broader computer science community, serving as independent validation. While you cannot apply for some recognition, but you may receive some awards, such as test-of-time paper and service awards. What you can control is executing and communicating your research on critical problems as well as possible. Keep your webpage and CV up-to-date with all your publications, service, grants, community positions, and honors. However, for membership level recognition, you need to take initiative and apply yourself or ask one of your advocates to nominate you, as appropriate to your career stage and accomplishments. Once you achieve some success, pay it back! Nominate others who are deserving of awards and say yes to award committee service. This service will familiarize you with the process, will show you how to advocate for others and yourself, and will widen your network to the committee members.

Membership levels include Senior Member (AAAI, ACM, IEEE), Distinguished Members (ACM), and Fellow (AAAI, ACM, IEEE). For example, AAAI, IEEE, and ACM Senior Members need 10 or more years of professional experience, including graduate school. Both AAAI and ACM Senior Member in addition require 5 years of continuous society membership for this recognition and other awards, so do not let your membership lapse as you make your transition from student to professional!

If you are an Assistant Professor, there is no better time to apply for Senior Member than one or two years before you go up for tenure. You or your advocate may get a sense of your potential letter writers' enthusiasm for your case. You need senior people in your field to write strong letters of support for you. As you or your students give talks at conferences, Universities, and other venues, write down senior members of your community who attend the talks, comment positively on the work, and otherwise provide strong evidence that they actually read your work and admire it. No kind word should go unnoted!

Senior member letters are easy to write because they are short. Writing a short assessment of your accomplishments will help prepare a potential letter writer to write a more detailed letter for your tenure case. If you miss the before tenure time frame, apply immediately afterward, since earning tenure is a very good indicator that you are qualified for Senior Member. Furthermore, it will be easy for tenure letter writers to repurpose their comments.

If you are in industry at the 10 year mark (including grad school years), refreshing your professional network on your work is an activity you may have neglected without a tenure clock forcing function. To assess if you are qualified, look at the web pages, publications, citations, patents, industry impact, and other accomplishments for recently elected members in your area. If your record is similar, apply!

Regardless of your position, preparing a comprehensive CV, positioning your work in a larger context, and communicating with senior members of your community helps you and others reflect on your contributions. Your CV and statement of impact should be included in the email request for letters, to help potential letter writers make their decision and write the actual letter.





Choosing a good time to apply for ACM Distinguished Member or Fellow of AAAI, ACM, and IEEE depends on significant research contributions and impact. ACM Distinguished Member grade requires 15 years of professional experience and 5 years continuous ACM membership. AAAI, ACM, and IEEE Fellows require outstanding contributions and impact. AAAI seeks Fellows that have made significant sustained contributions. ACM Fellows are

intended to capture the top 1% of the field. IEEE Fellows have outstanding contributions and the number awarded each year cannot exceed one-tenth of one percent of the total voting membership. Compare your record to recent Distinguished Members and Fellows in your area by examining their publications, citations, service leadership, patents, and impact on industry. For example, Fellows often have highly cited papers that moved the field in new directions; test-of-time awards; technical leadership of conferences; membership on NSF, DARPA, or other science advisory committees; and/or highly successful products in industry. However, unique contributions are rewarded as well.

If you think you may be qualified, consult with a couple of trusted advocates who are Fellows, such as your department chair, for advice if the time is ripe. For these nominations, you will need a nominator, who submits the materials, coordinates the nomination, and asks for letters of support. While your department chair may nominate you and will have read letters for your promotion case to Full Professor, someone outside your University in your research area is perceived as more independent. I recommend conferring on a list of potential supporters with your chair and nominator. You will also have insight on which researchers know and appreciate your work the best. However, the nominator should email privately to ask for letters of support, since people may need to decline because they may have agreed to a write letter for someone else or because they are unwilling to write a strong enough letter. Removing yourself from this process limits hurt feelings and awkwardness.

You, the nominee, should definitely draft the statement of contribution, since you know your work best. A good nominator will have experience writing and reading such statements, and should help polish the statement. The

statement of contributions should be written for a broad audience, since the selection committee members won't necessarily have expertise in your area. Don't be discouraged if you are not selected the first time because many current Distinguished Members and Fellows had this same experience. Regardless of the outcome, remember that your nominator and letter writers think your work is outstanding. Thank them for their time and efforts on your behalf.



Along the way

Contribute to your community. For example, serve on program committees, initiate community research activities, meet and mentor junior members of your community, nominate others for awards, serve on awards committees, thank and recognize others.

With your research and service, help create a thriving and inclusive research community that you enjoy and that enriches your technical life.

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Center for Evaluating the Research Pipeline Infographic

By Betsy Bizot, CRA Director of Statistics and Evaluation

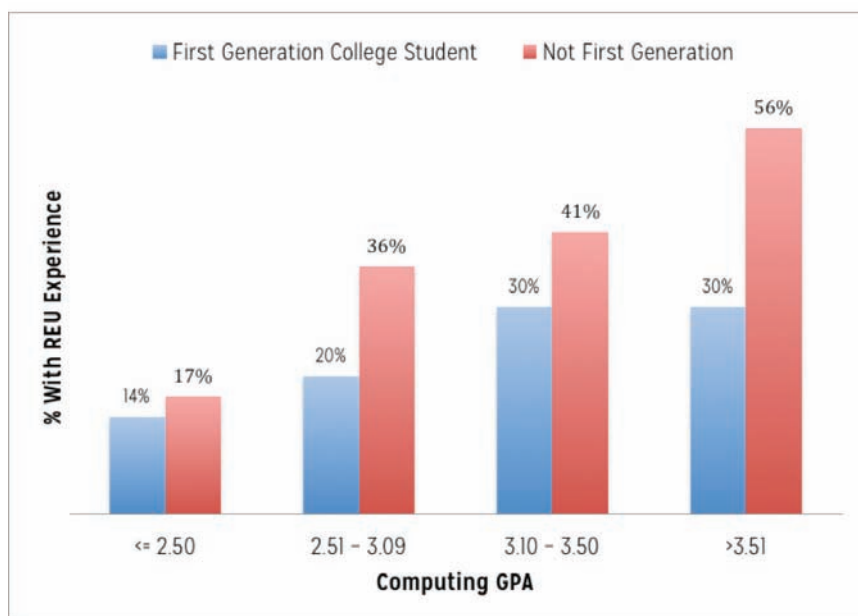
First Generation College Students Less Likely to Have REU by Senior Year, Even at the Highest GPA Levels



515 students who were 4th or 5th year undergraduates in computing programs reported their parental education, in-major GPA, and whether or not they had an REU

during their undergraduate program. First generation college students were significantly less likely to have had an REU, even at the highest GPA levels. Other questions established that the reasons for nonparticipation were not lack of interest (first generation sophomores were equally as interested in an REU as non first generation students, 41% vs. 43%) or

finances (first generation seniors who did not participate in REUs were no more likely to say that an REU didn't pay well enough, 23% vs. 23% of those whose parents had bachelor's degrees and 31% whose parents had graduate degrees). However, high-GPA first generation students were more likely to say that they were not aware of available research opportunities (students with GPA > 3.5, 48% of first generation students and 50% of those whose parents had bachelor's degrees vs. 25% of those whose parents had graduate degrees). Therefore, REU programs might want to make a special outreach effort to these students to make sure that they are aware of opportunities and that they understand what is required to apply and participate.



CCC to Hold a Series of Workshops on Privacy by Design



The Computing Community Consortium (CCC) will sponsor a series of workshops on Privacy by Design to frame a broader research vision that frames and explores the problem at the conceptual, engineering, design, operational, and organizational levels. A broader vision will allow researchers from various disciplines to interact and collaborate to develop solutions that address practical privacy needs. The first workshop will focus on the State of Research and Practice in the field.

The workshop organizing committee includes Deirdre Mulligan, Chair (UC Berkeley), Annie Anton (Georgia Tech), Ken Bamberger (UC Berkeley), Travis Breaux (Carnegie Mellon), Nathan Good (Good Research), Susan Graham (UC Berkeley), Susan Landau (Worcester Polytechnic Institute), Helen Nissenbaum (NYU), Fred Schneider (Cornell), Peter Swire (Georgia Tech), Ira Rubinstein (NYU), and Ann Drobnis, (CCC).

The first workshop will be held February 5-6 in Berkeley, CA. Additional information about the workshop can be found on the [website](#). If you have any questions, please feel free to contact Ann Drobnis at adrobnis@cra.org.

Updates from the CCC

By Greg Hager, CCC Chair



It has been a busy fall for the CCC, hosting workshops on Uncertainty in Computation, Aging in Place, and BRAIN. Each represents a different thread of the CCC's engagement with the research community – Uncertainty in Computation came from our open call for proposals, Aging in Place was developed in concert with NIH, and BRAIN was a

collaboration with CISE. Still, the common themes in each are a unique, new set of opportunities for computing-related research, and the potential to enhance the impact of our field on areas of national interest. Look for workshop reports and/or white papers on these topics to be coming out in the near future.

The convergence of high performance computing and data-intensive computing is an area where a great deal of conversation is taking place. In particular, there is a robust discussion as to how NSF, DoE, and other federal agencies should invest in new cyber-infrastructure. The Advanced Computing Infrastructure (ACI) directorate has commissioned a study in this area; the recently released interim report from this study raises a number of important questions. We encourage the CS community to read this report and provide your inputs as to how *computer science* can benefit and be benefitted by new federal investments in high-performance computing and cyber-infrastructure.

Looking ahead, the CCC is actively working on a number of themes that we believe will offer new opportunities or which

will otherwise enhance our field. *Computing in the Physical World* is a recurring topic – encompassing Cyber-Physical Systems, Internet of Things, Robotics, the Maker Movement, and Manufacturing. Much like Big Data, the impact of the growth in this area will vary by sector, but nonetheless there are common research problems at the intersection of computer science, sensing and actuation, and human-computer interaction.

Another theme that has consistently gained interest is the interaction between academia and industry. We are seeing an ever-richer ecosystem of relationships that provide academics access to unique infrastructure, data sets, and, in some cases, funding to support research, and in the reverse direction flows of people – students, postdocs, and faculty – into industry. We see a clear opportunity to better leverage this growing trend and to thereby draw these two communities together.

We continue to be actively interested in opportunities in healthcare, education, big data, as well as themes that emerge from the community and from agencies. For example, we are hosting a series of workshops on Privacy by Design, co-sponsoring a workshop on Extensible Distributed Systems, and finishing our 2025 series with a round-table discussion of future themes for Computing. We are in the process of reviewing proposals for community-initiated visioning workshops, so be on the lookout for new activities throughout the spring and summer at <http://cra.org/ccc>.

CCC BRAIN Workshop: Research Interfaces between Brain Science and Computer Science

Contributions to this post were made by Gregory Hager, Chair of the Computing Community Consortium (CCC) and Professor and Chair of Computer Science at Johns Hopkins University.



CCC
Computing Community
Consortium
Catalyst

Early pioneers of computing such as **Alan Turing**, **John Von Neuman** and **Herb Simon** were fascinated by the possibility of computing opening a window into our understanding of the brain, and how understanding the brain might advance computing. A half century later, computing has made extraordinary progress, but much of the inner workings of the brain remain a mystery. Can we re-ignite the early promise of synergy between research on the human brain and computer science to the benefit of both fields?

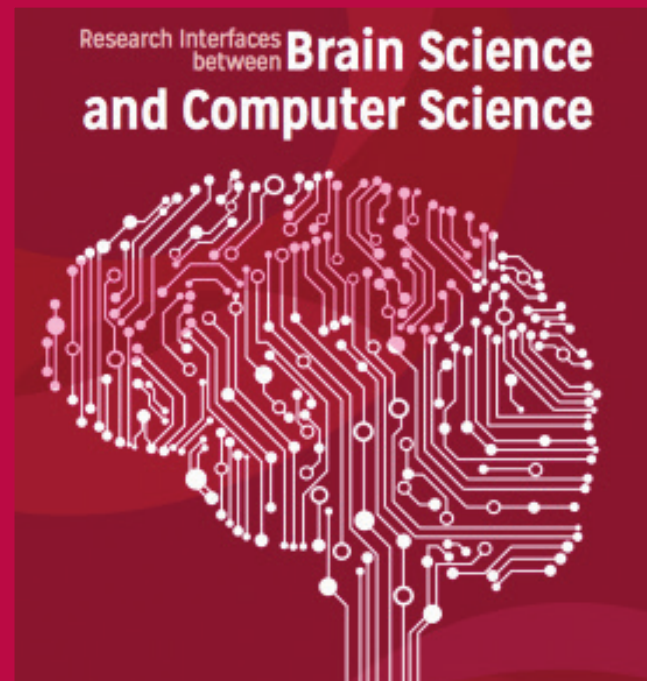
This was the theme of a recent workshop on Research Interfaces between Brain Science and Computer Science sponsored by the **Computing Community Consortium (CCC)** and the **National Science Foundation (NSF)**. The purpose of the workshop was to bring together computer scientists and neuroscientists to help create breakthrough technologies for President Obama's **BRAIN Initiative**.

Over 70 computer scientists and neuroscientists from academia, industry, and government were in attendance and between 160-300 participants viewed each panel and plenary on the live-stream. The diversity of the participants made for animated discussions in person as well as on a live **twitter feed (#cccbrian)**. It is a "hot" topic that is gaining even more interest with NSF's recent **Integrative Strategies for Understanding Neural and Cognitive Systems (NSF-NCS) solicitation**.

The workshop had four plenary speakers, **Aude Oliva**, **Jack Gallant**, **Leslie Valiant**, and **Terrence Sejnowski**. The topics covered include deep architectures in neural systems, fMRI data, and models of computation. Speakers and participants were invited to think about "grand predictions" inspired by these talks, much as Turing, Von Neuman, and Simon made many predictions for CS in its formative years. In response, Jack Gallant opined:

Some time in the near future we should be able to decode internal speech, your inner voice, which can then be read back to you from a speaker using fMRI responses.

The real success of the workshop came from the four panels (Imaging and Brain Mapping, Brain and Body,



Computing, and Data) and the conversations that they sparked. Panelists had their ideas enriched and challenged by neuroscientists and computer scientists alike.

In the Brain Mapping panel, **Jeff Lichtman** articulated how the landscape of neuroscience has changed by noting:

Thirty years ago neuroscientists were brimming with big ideas and there was little data to stand in the way of espousing these views. Now we have the opposite dilemma: ever increasing mountains of big data but it is hard to find big ideas that encompass the massive amounts of information neuroscience research is accumulating. Hence we are transitioning perhaps from an era of “understanding” to an era of “information.”

Later **Sean Hill**, raised a similar point:

How much information do we need to measure before we can reliably make predictions? That is, do we really need all the information across the entire brain,

down to the smallest nanometer, in order to detect regularities that are meaningful?

A counterpoint to this idea was brought up, can we develop an algorithmic representation of the brain from all of the anatomical information or from all of the functional information? If we have one, can we more or less ignore the other? In short, if we know “the architecture,” can we infer function, or conversely, if we can measure function, do we need to know the architecture?

If one thing was clear at the end of the workshop, it was that there were many opportunities for CS research to impact and influence brain research. This workshop started conversations, but this is just the beginning of hopefully many future collaborations between the two disciplines.

The workshop panels and plenary talks can be viewed on agenda on the workshop website **workshop website**. A workshop report will be forthcoming in early 2015.



Analysis of Current and Future Computer Science Needs via Advertised Faculty Searches

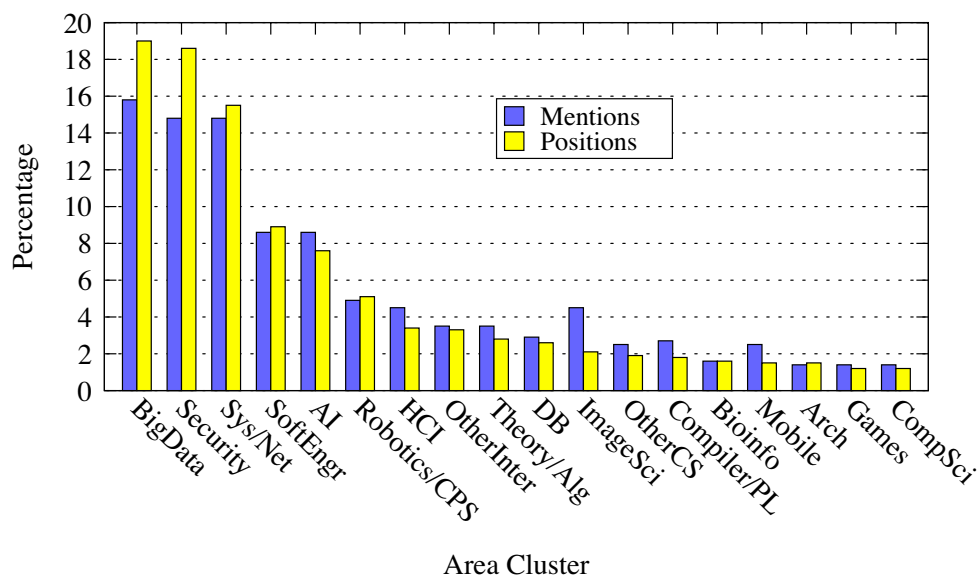
By Craig E. Wills
Professor and Department Head
Computer Science Department
Worcester Polytechnic Institute

The wealth of faculty searches in Computer Science during this hiring season for positions starting in the Fall of 2015 affords the opportunity to study areas of Computer Science where departments are choosing to invest in new faculty hires. While the number and areas for faculty searches does not necessarily translate into the same for faculty hires, we believe that they provide insight into current and future needs within the discipline.

We analyzed ads from 223 institutions for hundreds of tenure-track faculty positions in Computer Science. As shown in the accompanying graph, we found that the clusters of Big Data, Security and Systems/Networking are the areas of greatest investment with the highest percentages for both mentions and positions. We also found that from a third to over a half of all hires for areas that are, or may be, interdisciplinary in nature.

Differences are also seen when analyzing results based on the type of institution. Positions related to Big Data are roughly twice as frequent for PhD institutions as for BS and MS institutions. Security is of most interest for top-100 PhD and BS institutions. The Systems/Networks cluster is in relatively high demand from all types of institutions. Software Engineering is much less in demand for top-100 PhD institutions relative to the other institutions in our study. Finally, the abundance of potentially interdisciplinary areas is even more pronounced for PhD institutions with at least a third and up to 60% of all positions devoted to these areas.

The full report containing a description of the methodology and the complete results is available at <http://www.cs.wpi.edu/~cew/papers/CSareas14.pdf>



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Professional Opportunities

American Mathematical Society/Mathematical Reviews

Associate Editor

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

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

Antalya International University

Computer Engineering

Faculty Positions

Antalya International University (AIU) in Turkey invites applications for multiple faculty positions in all areas of computer engineering and computer science disciplines. Priority will be given to the candidates in areas of software engineering, computer systems and robotics. The positions are anticipated to be filled at the assistant professor rank, however, appointments at associate and full professor levels might be considered for outstanding candidates.

The targeted start date for the positions is August 15, 2015 or earlier. Applications from women, minorities, and non-Turkish citizens are encouraged. The successful candidates will be expected to teach undergraduate and graduate courses in a field of computer engineering/computer science, develop a sponsored research program, advise and mentor students at the undergraduate and graduate level, collaborate with other faculty in multidisciplinary research, interact and participate in outreach activities, and be involved in service to the institute and the

profession. The successful applicant must have earned a Ph.D. degree in computer engineering/computer science or a closely related field, and should have an excellent command of English. Applicants must have evidence of scholarship/research and record of external funding for research for consideration of appointment at the associate or full professor level.

Antalya International University (AIU) is a newly founded, private institution in Antalya, Turkey. The medium of instruction is English. AIU has established an international education services office and is rigorously

recruiting foreign students with an objective to have 50% of the incoming freshmen being non-Turkish citizens in the next five years. AIU is an equal opportunity employer. Salary is very competitive and commensurate to rank, experience and qualifications. Several fringe benefits (relocation package, medical health insurance, retirement benefits) will apply. Housing assistance may be provided for some candidates.

Applicants should submit a cover letter, curriculum vitae, including academic and professional experience, list of publications, statement of teaching philosophy and



Alderson Broaddus University Seeks Tenure-track Faculty Position in Computer Science

The College of Science, Technology and Mathematics at Alderson Broaddus University invites applications for a nine month tenure-track faculty position in Computer Science to begin in Fall 2015. The College is seeking a creative leader and innovator to help move the Computer Science program forward. The ideal candidate will provide instruction in introductory to advanced courses in software engineering, computer science theory and programming languages. Candidates will also participate on committees and task forces as assigned.

Qualifications for position: Applicants for the position should possess a minimum of a Master's of Science in Computer Science or related field (e.g., Software Engineering, Information Technology, etc); Ph.D. preferred. The applicant should demonstrate a strong commitment to undergraduate teaching, curriculum development, and advising, possess good communication skills, and be able to work collegially with other faculty. Research experience and a commitment to mentoring undergraduate research and internships are also important considerations. Salary and appointment rank are commensurate with experience and qualifications. Additional information about Alderson Broaddus University is available on our website at www.ab.edu. Posting will remain in effect until the position is filled.

Submit cover letter, CV, and references in one PDF file to: hr@ab.edu

Or mail materials to:
Alderson Broaddus University
Human Resources
101 College Hill Drive
Philippi WV 26416

Alderson Broaddus University is a health-related and professional educational institution firmly rooted in the liberal arts. Alderson Broaddus University is located in Philippi, WV, and is affiliated with the American Baptist Churches, USA, and the West Virginia Baptist Convention. Alderson Broaddus University is an Equal Opportunity Employer and encourages applications from minority candidates.

Professional Opportunities

research interests/objectives, and contact information for at least three references as a single PDF file to cs_recruit@antalya.edu.tr. Please format the file name as *LastName_Computer_Engineering* and include "Computer Engineering Faculty Search" in the subject line of the email. Short-listed candidates will be informed for formal interviews.

Review of applications will begin on January 15, 2015, and continue until the positions are filled. For further information about Antalya International University (AIU), please visit: www.antalya.edu.tr.

Arizona State University

*School of Arts, Media and Engineering –
Herberger Institute for Design and the Arts
Assistant Professor in Active
Materials Design*

The School of Arts, Media and Engineering (ame.asu.edu) in the Herberger Institute for Design and the Arts at Arizona State University invites applicants for a full-time tenure-track appointment in active materials design at the associate/assistant professor level beginning Fall 2015. The successful candidate will take a leadership role in the design, and the critical, cultural or conceptual studies of active materials and analog-computational media, and contribute significantly to the development of the education and research mission of the school.

Application Deadline: The application deadline is December 15, 2014; if not filled, reviews will occur monthly thereafter until the search is closed.

For complete qualifications and application information, see http://ame.asu.edu/about/employment_faculty.php.

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,



Arizona State University

Faculty Positions

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

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

Appointments will be made at the rank commensurate with experience and accomplishments starting August 2015. A successful candidate will hold an earned Ph.D. or equivalent in a relevant field and have demonstrated evidence of excellence in research and teaching as appropriate to rank including publication in top-tier journals with societal impact, success in acquiring external funding, adoption of innovative educational practices and a commitment to transdisciplinary collaboration.

Current information regarding these positions and instructions for applying are available at <http://engineering.asu.edu/hiring/>. Review of applications for each search will begin **November 15, 2014**; if not filled, reviews will occur the 1st and 15th of every month thereafter until the search is closed.

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

Professional Opportunities

disability, protected veteran status, or any other basis protected by law. See ASU's complete non-discrimination statement at <https://asu.edu/aad/manuals/acd/acd401.html>. See ASU's Title IX policy at <https://www.asu.edu/titleIX/>.

Arizona State University

School of Mathematical and Natural Sciences

Assistant Professor of Applied Computing - Cyber Forensics

Assistant Professor of Applied Computing, School of Mathematical and Natural Sciences, Arizona State University. Full-time tenure track position beginning August 2015. Seeking applicants to conduct research in Computer Science, to teach undergraduate courses, and to forge interdisciplinary collaborations in research and teaching. Ph.D. in Computer Science (or closely related field) and expertise in Cyber Forensics and/or Information Security is required.

For complete qualification/application information, see <http://newcollege.asu.edu/jobs>

Application deadline is January 2, 2015.

EO/AA

Arizona State University

School of Arts, Media and Engineering - Herberger Institute for Design and the Arts

Associate Professor in Social Computing

The School of Arts, Media and Engineering (ame.asu.edu) in the Herberger Institute for Design and the Arts at Arizona State University invites applicants for a full-time tenure-track appointment in social computing at the Associate Professor level beginning Fall 2015. The successful candidate will take a leadership role in the Human Computer Interaction group, contribute significantly to the development of the education and research mission of the school in new areas

such as culture and computing, and develop areas of computing with high potential social impact, such as cultural informatics or social networks.

Application Deadline: The application deadline is December 15, 2014; if not filled, reviews will occur monthly thereafter until the search is closed.

For complete qualifications and application information, see http://ame.asu.edu/about/employment_faculty.php

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

Boise State University

Department of Computer Science

Assistant/Associate/Full Professor - Open Rank, Tenure-Track

The Department of Computer Science at Boise State University invites applications for an open-rank, tenured/tenure-track position in critical infrastructure cyber security, starting Spring or Fall 2015. The new faculty position is a joint appointment between Boise State and INL (Idaho National Labs), and will work closely with fellow researchers from INL in establishing vibrant industrial control cyber security research and graduate and undergraduate training programs. INL is host to the Department of Homeland Security Industrial Control System CERT (Computer Emergency Response Team) and supports a variety of other agencies in assessing and developing technical solutions for critical infrastructure resiliency.

Applicants should have a commitment to excellence in teaching and a desire to make significant contributions in research by collaborating with government agencies, faculty, and industry to develop and sustain funded research programs. Senior applicants should have an established track record of research, teaching, and external funding. An earned PhD in Computer Science, or a closely related field, is required at the time of appointment as well as the ability to gain a government security clearance.

Boise State has made a significant investment in the growth of the Computer Science department, such that it is a critical part of the vibrant software and high-tech industry in the Boise metropolitan area. New faculty lines, graduate student support, and a tutoring center have been added to the department. The department is committed to offering a high quality educational experience and in building its research capabilities. A PhD program is currently under development.

About the University: <http://www.boisestate.edu/>

About the City of Boise: <http://www.boisechamber.org/>

About the Department: <http://coen.boisestate.edu/cs/>

Application Procedure Instructions:

Qualified applicants should send a cover letter addressed to the CS Search Committee indicating your interest and qualifications, curriculum vitae, statements of teaching and research interests, and three professional references with contact information.

Required documents should be emailed in PDF format to CSsearch@boisestate.edu.

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

Professional Opportunities

Bucknell University

*Tenure Track Assistant Professor
Computer Science*

Applications are invited for a tenure – track position in computer science beginning mid-August 2015. We expect to hire at the Assistant Professor level, but outstanding candidates will be considered at Associate Professor or Professor; years of credit toward tenure will be awarded based upon qualifications. We seek a teacher-scholar with a demonstrated ability to work with a diverse student body. We are interested in applicants working in any area of computer science. Candidates working in Distributed Databases, Security, and Algorithms are encouraged to apply. The successful candidate must be able to participate in teaching of required core courses and be able to develop elective courses in the candidate's area of expertise. Candidates are expected to have a Master's degree and be ABD, or hold a PhD by the beginning of the 2015 semester. A strong commitment to excellence in teaching and scholarship is also required.

Review of applications will begin on January 5, 2015 and continue until the position is filled. Candidates are asked to submit a cover letter, CV, statements of teaching philosophy and research interests, and the contact information for three references.

Submit your application to <http://apply.interfolio.com/27888>. Please direct any questions to Professor Stephen Guattery of the Computer Science Department at guattery@bucknell.edu.

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

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

California State University, Fullerton

Several Tenure-Track Positions

The Department of Computer Science invites applications for several tenure-track positions at the Assistant Professor level starting January or August 2015.

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

California State University, Sacramento

Department of Computer Science

*Two Tenure-Track Assistant
Professor Positions*

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

For detailed position information, including application procedure, please see <http://www.csus.edu/about/employment/>.

Screening will begin January 15, 2015, and continue until positions are filled.

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

Carnegie Mellon University

Faculty Position

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

Candidates for tenure-track appointments should also have a strong interest in graduate and undergraduate education. The School spans a wide range of topics in computer science and the application of computers to real-world problems. The School is organized into seven departments/institutes: Computer Science Department; Human-Computer Interaction Institute; Institute for Software Research; Lane Center for Computational Biology; Language Technologies Institute; Machine Learning Department and the Robotics Institute.

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

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

Carnegie Mellon considers applicants for employment without regard to, and does not discriminate on the basis of, gender, race, protected veteran status, disability, or any other legally protected status.

Carnegie Mellon University

Teaching Faculty

The Machine Learning Department at Carnegie Mellon University has an opening

Professional Opportunities

for a Teaching Faculty member to lead our efforts in teaching machine learning, both inside the university and to remote locations. As the world's only academic Machine Learning Department, we occupy a unique position in defining the standard curriculum for the field – one that is used as a template by many other universities. With the increasing importance of machine learning, our course enrollments have more than doubled in recent years, and requests for us to serve students beyond our local campus have also grown significantly.

The individual filling this position will be responsible for leading the growth of our department's machine learning curriculum, including improving educational outcomes and extending our reach. They will work closely with the department head and other faculty to develop a strategic plan for taking advantage of new online and technology-assisted educational opportunities over the coming decade. They will also be responsible for teaching classes and overseeing aspects of the educational program, e.g., admissions to our Ph.D. and Masters programs and advising undergraduate students minoring in Machine Learning. Candidates should have a Ph.D. with strong expertise in machine learning, and a background of demonstrated excellence and dedication to teaching. Candidates must be prepared to teach large lecture courses at the advanced undergraduate and graduate level, and also be prepared to work with the existing faculty of the department to establish, improve, and standardize the curriculum.

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

send all information to the contact below. This position will remain open until filled. We will consider applications as we receive them.

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

Please send your applications and accompanying materials to
Sharon Cavlovich
Machine Learning Department
Carnegie Mellon University
5000 Forbes Avenue
Pittsburgh, PA 15213
sharonw@cs.cmu.edu

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

Carnegie Mellon University

Tenure-Track Faculty

The Human-Computer Interaction Institute at Carnegie Mellon University is hiring tenure-track faculty this year. We are looking for a wide range of expertise.

More information can be found at: <http://www.cs.cmu.edu/~scsdean/HiringPage/>

The Chinese University Of Hong Kong

Faculty of Engineering

Professors / Associate Professors / Assistant Professors (Ref. 1415/039(266)/2)

The Faculty invites applications for several faculty posts at Professor / Associate Professor / Assistant Professor levels, with prospect for substantiation, in the interdisciplinary area of 'Big Data Analytics', which is a new strategic research initiative supported by the University's Focused Innovations Scheme and will complement current/planned strengths in different

Departments under the Faculty. To lead the big data research initiative, senior professors in this area are particularly welcome. Currently, the Faculty is seeking candidates in the following areas:

- Theoretical, mathematical and algorithmic aspects in large data analytics;
- Large scale software systems and architecture in large data analytics;
- Combining big data analytics with statistical modelling and operations research methods for optimal decision making;
- Application areas in large data analytics (including information systems and the Web, bioinformatics, financial engineering, logistics and supply chain management, public health, social networks, etc.)

Applicants should have (i) a PhD degree; and (ii) a strong scholarly record demonstrating potential for teaching and research excellence. The appointees will be expected to (a) teach undergraduate and postgraduate courses; (b) develop a significant independent research programme with external funding; and (c) supervise postgraduate students. Appointments will normally be made on contract basis for three years initially, which, subject to performance and mutual agreement, may lead to longer-term appointment or substantiation later. Applications will be accepted until the posts are filled. Further information about the Faculty is available at <http://www.erg.cuhk.edu.hk>.

Salary and Fringe Benefits

Salary will be highly competitive, commensurate with qualifications and experience. The University offers a comprehensive fringe benefit package, including medical care, plus a contract-end gratuity for appointments of two years or longer, and housing benefits for eligible appointees. Further information about the University and the general terms of service

Professional Opportunities

for appointments is available at <http://www.per.cuhk.edu.hk>. The terms mentioned herein are for reference only and are subject to revision by the University.

Application Procedure

Please send full resume, copies of academic credentials, a publication list with abstracts of selected published papers, details of courses taught and evaluation results (if any), a research plan, a teaching statement, together with names of three to five referees, to the Dean, Faculty of Engineering by e-mail to recruit-bda@erg.cuhk.edu.hk. For enquiries, please contact Professor John C.S. Lui, the leader of the strategic initiative (e-mail: cslui@cse.cuhk.edu.hk). Applicants are requested to clearly indicate that they are applying for the posts under 'Big Data Analytics Initiative'. The Personal Information Collection Statement will be provided upon request. Please quote the reference number and mark 'Application – Confidential' on cover.

Colgate University

Assistant Professor of Computer Science

The Department of Computer Science at Colgate University invites applications for a tenure stream position in computer science at the rank of Assistant Professor beginning fall semester 2015. Completion of a Ph.D. in computer science is expected prior to or shortly after the date of hire. A strong interest in both teaching and research is also expected. The department is especially interested in applicants with expertise in computer systems, including operating systems, architecture, and cloud computing, though strong applicants in other areas are encouraged to apply. The successful applicant will teach courses in their area of expertise, help staff department courses, and also be expected to participate in all-university programs, including the Liberal Arts Core Curriculum.

Colgate University is a highly selective liberal arts college of 2800 students situated in a picturesque village in central New York. The department offers excellent teaching and research facilities, and the university is committed to promoting excellence in both teaching and research.

A letter of application, curriculum vitae and three letters of recommendation should be submitted through <https://academicjobsonline.org/ajo/jobs/5039>. Colgate strives to be a community supportive of diverse perspectives, identities and ways of life. Candidates are encouraged to describe in their application any experience with or interest in promoting a diverse and inclusive educational environment.

Review of applications will begin January 20, 2015, and continue until the position is filled. For more information about the department, please browse our web site <http://cs.colgate.edu>. Applicants with dual-career considerations can find postings of other employment opportunities at Colgate and at other institutions of higher education in upstate New York at <http://www.upstatenyherc.org>.

Colgate is an EEO/AA employer; women and candidates from historically underrepresented groups are especially encouraged to apply.

College of Charleston

Department of Computer Science

Assistant Professor

The Computer Science Department at the College of Charleston invites applications for a tenure-track Assistant Professor position starting Fall 2015. Applicant must hold a PhD in computer science, or a closely related discipline, by August 15, 2015 and be able to teach courses across the undergraduate and graduate curricula offered by the department. Preference will be given to candidates able to contribute to Computer Science, Computer

Information Systems, Data Science or Computing in the Arts.

Strong teaching and research with a commitment to continuous scholarly achievement is essential. The College encourages undergraduate research, as well as interdisciplinary teaching via participation in its First-Year Experience program.

Apply online at <https://jobs.cofc.edu>.

Applications must include a cover letter, CV, a teaching statement, a research plan, and contact information for three references who may be contacted to submit reference letters online. Review of candidates will begin December 1, 2014, and applications will be accepted until the interview phase of the search begins. Visit <http://compsci.cofc.edu/faculty-search> for more information or contact Dr. George Pothering, Interim Department Chair at potheringg@cofc.edu.

The College of Charleston is a nationally recognized public liberal arts and sciences university located in the heart of historic Charleston, SC. Since our founding in 1770, we have maintained a strong liberal arts curriculum. The College is a state-supported, comprehensive institution and ranks among the nation's top universities in providing quality education in the arts, sciences, education, and business. No other university has the unique combination of our exceptional faculty, diverse programs, historic campus, coastal location, modern facilities and cutting-edge programs. The student body numbers approximately 12,000 students in undergraduate and graduate programs combined.

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

Professional Opportunities

College of Charleston

Department of Computer Science Chair

The College of Charleston invites applications for a position as Chair of the Department of Computer Science, to begin July 1, 2015. This is an exciting opportunity for an outstanding leader to head a thriving department with expectations of continued growth in enrollments and faculty and with a strong interest in fostering close ties with local businesses.

The new Chair will be expected to lead the Department, supervise all of its resources, and promote and support excellence in teaching and research. Especially important will be the ability to establish strategic partnerships with local business and economic development leaders. We are seeking candidates who hold an earned doctorate in computers science with outstanding research and academic achievements and who have had demonstrated experience as both a business

and an academic leader. Candidates would be eligible for appointment at the associate professor or professor rank with tenure. Rank is negotiable depending on experience and credentials.

Inquiries will be accorded the utmost discretion. To apply, complete the online faculty application, at <https://jobs.cofc.edu> and upload a detailed CV or resume, full contact information for three professional references, and a cover letter that describes your research, teaching, academic leadership



COLUMBIA | ENGINEERING

The Fu Foundation School of Engineering and Applied Science

Faculty Positions in the Department of Computer Science

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

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

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

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

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

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

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

Professional Opportunities

experience, business accomplishments, and your views of growth opportunities in computer science especially as it related to cooperation with local businesses and economic development organizations. Review of applications will begin on December 1 and applications will be accepted until the interview phase of the search commences. Visit <http://compsci.cofc.edu/chair-search> for more information or contact Dr. George Pothering, Interim Department Chair at potheringg@cofc.edu.

The College of Charleston is a nationally recognized public liberal arts and sciences university located in the heart of historic Charleston, SC. Since our founding in 1770, we have maintained a strong liberal arts curriculum. The College is a state-supported, comprehensive institution and ranks among the nation's top universities in providing quality education in the arts, sciences, education, and business. No other university has the unique combination of our exceptional faculty, diverse programs, historic campus, coastal location, modern facilities and cutting-edge programs. The student body numbers approximately 12,000 students in undergraduate and graduate programs combined.

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Cornell University

Multiple Tenure-Track Faculty Positions

The SCHOOL OF ELECTRICAL AND COMPUTER ENGINEERING AT CORNELL UNIVERSITY in Ithaca, New York, invites applications for multiple tenure-track Faculty positions in all areas of electrical and computer engineering.

We are particularly interested in outstanding candidates in the following areas:

- (i) Photonics, MEMs/microsystems, and electronics with emphasis on bio-photonic/bio-electrical science and technology, quantum information science and technology, and nanoscience and technology.
- (ii) Computer systems, including but not limited to embedded systems and hardware, data networks, storage systems and hardware, with potential applications to Internet of Things, cyber-physical systems, mobile systems, and large-scale data centers

Tenure-Track Faculty Positions – Information Science Cornell University

Cornell is a community of scholars, known for intellectual rigor and engaged in deep and broad research, teaching tomorrow's thought leaders to think otherwise, care for others, and create and disseminate knowledge with a public purpose.

The Information Science Department at Cornell University invites applications for tenure-track faculty positions. Exceptional candidates in all areas related to the department's current research trajectories and priorities will be given serious consideration; these include information policy, HCI / interaction design, network science, crowdsourcing, the sociology of organizations and innovation, critical and interpretive analysis of information systems, behavioral science approaches to information systems, applications and analysis of big data, information visualization, ubiquitous computing, the interface of economics and information, and information science approaches to societal challenges. We expect to make appointments at any rank. Assistant Professor candidates must receive a Ph.D. or equivalent degree by August 2015, and must demonstrate the potential to achieve excellence in research and teaching at both the graduate and undergraduate levels. More senior candidates should hold a Ph.D. or equivalent degree and 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.

Applicants should submit a cover letter, curriculum vita, brief statements of research and teaching interests, and arrange to have at least three reference letters submitted at:

<https://academicjobsonline.org/ajo/jobs/4709>

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. The Information Science Department is housed in the Faculty of Computing and Information Science, and located in Cornell's new 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. The Information Science Department at Cornell embraces diversity and seeks candidates who will create a climate that attracts students of all races, nationalities and genders.

Applications will be accepted until the position is filled. Information about the Information Science Department appears at <http://www.infosci.cornell.edu>

Apply online at: www.hr.cornell.edu/jobs, position #25198

Cornell University is an innovative Ivy League university and a great place to work. Our inclusive community of scholars, students and staff impart an uncommon sense of larger purpose and contribute creative ideas to further the university's mission of teaching, discovery and engagement. Located in Ithaca, NY, Cornell's far-flung global presence includes the medical college's campuses on the Upper East Side of Manhattan and in Doha, Qatar, as well as the new CornellNYC Tech campus to be built on Roosevelt Island in the heart of New York City.



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

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(iii) Control, Optimization, and Information Processing, with emphasis on large scale distributed stochastic problems, machine learning, high-dimensional data analysis and information theory.

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

Applicants should submit a curriculum vitae, a research statement, a teaching statement, three recent publications, and complete contact information for at least three references. Applications must be made online at <https://academicjobsonline.org/ajob/jobs/5031>. Review of applications will begin in **December 2014**, but applications received by January 5, 2015 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 and excellence of the academic community. Cornell University seeks to meet the needs of dual career couples, has a Dual Career program, and is a member of the Upstate New York Higher Education Recruitment Consortium to assist with dual career searches.

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

Cornell University

*Sibley School of Mechanical and
Aerospace Engineering
Tenure Track Faculty Position*

We invite applications for a tenure track faculty position in the areas of Design and Manufacturing. Candidates must hold a doctorate in an appropriate field, establish

an outstanding, funded research program, and contribute fully to both undergraduate and graduate instruction. Applicants for Assistant or Associate Professor preferred.

We seek outstanding individuals engaged in research centered on design or manufacturing of engineered systems and products. Areas of interest include design using programmable/smart/ materials; design automation; human centered design; sustainable design; additive manufacturing; manufacturing of advanced and multifunctional material systems; and the end-to-end, interdisciplinary design process. Applicants should have strong depth, and their research should build upon, one or more of the Sibley School's disciplines.

To apply and to see complete posting see, <https://academicjobsonline.org/ajob/jobs/4932>. Include all requested materials and information.

We are a recognized employer and educator valuing AA/EEO, Protected Veterans, and Individuals with Disabilities.

Dartmouth College

Assistant Professor of Computer Science

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

The department is home to 18 tenured and tenure-track faculty members and two research faculty members. Research areas of the department encompass the areas of security, computational biology, machine learning, robotics, systems, algorithms, theory, digital arts, vision, and graphics. The Computer Science department is in the School of Arts & Sciences, and it has strong Ph.D. and M.S. programs and outstanding undergraduate majors. The department is affiliated with Dartmouth's M.D.-Ph.D. program and has strong collaborations with Dartmouth's other schools.

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

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

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

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

Re recommendations: After you have entered the contact information for your references

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and sent them reference requests, you may submit your application, even before they upload the letters. Once the letters are uploaded, there's an extra step: you must associate the letters with your application for this particular position.

Equal Employment Opportunity Statement

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

DePaul University

*College of Computing and Digital Media
Assistant Professor in Data Science*

DePaul University's School of Computing invites applications for a tenure-track position in data science at the rank of assistant professor. The successful candidate will be part of one of the fastest growing and most highly recognized data science programs in the country; our graduate program in Predictive Analytics (PA) was ranked first by "Predictive Analytics Today" in 2014. Refer to our website for more detail: <http://www.cdm.depaul.edu/academics/Pages/MS-in-Predictive-Analytics.aspx>

DePaul's School of Computing is part of the College of Computing and Digital Media (CDM). It is located in the heart of Chicago's Loop, the central business district of Chicago and offers a variety of undergraduate and graduate programs including Computer Science, Software Engineering, Human Computer Interaction, Game Development, Information Security, and others.

The ideal candidate for the position will have expertise and teaching experience in a variety of areas in data science, including data mining, machine learning, and computational statistics. All qualified

candidates will be considered, however, we are particularly interested in those with specialization in data visualization, stream data analytics, health analytics, and big data analytics. We encourage candidates who are interested in opportunities for collaborative and interdisciplinary research. We have active and well-established research groups in areas such as web data mining, medical informatics, and recommender systems. Additionally, our faculty has fostered research and pedagogical collaborations outside of the School of Computing, including with business, hospitality revenue management, computational finance, and marketing.

Candidates should have a PhD or equivalent. Candidates without a terminal degree may be eligible for a full-time non-tenure track position and are encouraged to apply. Rank and salary are commensurate with qualifications and experience.

Applications must be submitted online at <https://pa681.peopleadmin.com/applicants/Central?quickFind=51197>. Applications should include a CV, teaching statement, research statement, three contacts for letters of recommendation. For priority consideration, application materials must be received by January 1, 2015. For questions please email depaulpa@cdm.depaul.edu.

DePaul University

*College of Computing and Digital Media (CDM)
Assistant/Associate Professor in
Health Informatics*

The School of Computing at DePaul University invites applicants for a tenure-track position in health informatics at the rank of assistant professor. Candidates may be considered for more senior ranks based on their background and qualifications.

The School of Computing is part of the College of Computing and Digital Media. It is located in the heart of Chicago's Loop, the central business district of Chicago.

The School seeks candidates who have expertise and experience in the areas of health informatics, healthcare information systems or health analytics. A successful candidate will be expected to contribute to curriculum development and teaching for the newly created MS in Health Informatics program. Details of the program can be found online: <http://www.cdm.depaul.edu/academics/Pages/MSinHealthInformatics.aspx>

Teaching responsibilities include graduate courses in health informatics, health information management and clinical decision support systems in the health informatics program. The candidate will also be expected to conduct scholarly research and perform service activities within the College and University as deemed appropriate for an individual at the rank of assistant professor. The School of Computing also offers multiple programs allied with the health informatics program including graduate programs in Information Systems, Human-Computer Interaction and Predictive Analytics, with the last having a track in health analytics. Other allied programs at the University include the Health Sciences program and a Health Sector Management concentration in the MBA program. Special consideration may be given to candidates with teaching or research interests that contribute to interdisciplinary collaboration with any of these allied programs.

Candidates should have a PhD or equivalent in health informatics or a related field that is at the intersection of information technology and health information management. Candidates without a terminal degree may be eligible for a full-time non-tenure track position and are encouraged to apply. Rank and salary are commensurate with qualifications and experience.

For priority consideration, application materials must be received by January 15, 2015. Applications should include a CV, teaching statement, research statement, a cover letter

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and contact information for three references who will provide letters of recommendation.

Apply at <http://pa681.peopleadmin.com/applicants/Central?quickFind=51205>.

DePaul University

*College of Computing and Digital Media
Instructor in Computer Science*

The School of Computing at DePaul University invites applications for a full-time, non-tenure-track faculty position at the rank of Instructor.

The School of Computing is part of the College of Computing and Digital Media (CDM). It is located in the heart of Chicago's Loop, the central business district of Chicago and offers a variety of undergraduate and graduate programs including Computer Science, Software Engineering, Human Computer Interaction, Game Development, Information Security, and others. For more information about the Computer Science program, please visit <http://www.cdm.depaul.edu/academics/Pages/BSinComputerScience.aspx> and <http://www.cdm.depaul.edu/academics/Pages/MSinComputerScience.aspx>

The appointment is for a one academic year term, with full benefits, and is renewable contingent upon satisfactory performance. We seek a candidate with a commitment to high-quality teaching, particularly in the area of systems. In addition to teaching, the candidate will have additional responsibilities including advising students, curriculum development, and other service to the School. Preference will be given to candidates who have, or are close to having, a PhD in Computer Science or related field as well as teaching experience. The minimum requirement for the position is an MS in Computer Science or closely related discipline. Rank and salary are commensurate with qualifications and experience. The position is contingent upon available budgetary resources.

For priority consideration, application materials must be received by January 1, 2015. Applications should include CV, statement of teaching interests, a cover letter, and three letters of recommendation that, preferably, address the candidate's teaching qualifications or potential. Contact Corin Pitcher at cpitcher@cs.depaul.edu for additional inquiries.

Apply online only: <https://pa681.peopleadmin.com/applicants/Central?quickFind=51201>

Duke University

*Department of Computer Science
Tenure-Track Faculty Positions*

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

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

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

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

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

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

The Evergreen State College

Computer Science Faculty

This is a full time faculty position starting in the 2015/16 academic year.

The Evergreen State College seeks an inventive faculty colleague to teach and support a liberal arts computer science curriculum. Candidates must demonstrate a strong commitment to undergraduate teaching at all levels, including a commitment to the established computer science curriculum and supporting student originated research. Minimum qualifications include a PhD in computer science or related discipline. Review of applications begins December 12, 2014 and will continue until finalists are selected.

For more information and to apply please visit our website:

<http://www.evergreen.edu/facultyhiring>

AA/EOE/ADA

Professional Opportunities



EASTERN MICHIGAN UNIVERSITY

DEAN OF THE COLLEGE OF TECHNOLOGY

Eastern Michigan University (EMU) invites nominations and applications for the position of Dean of the College of Technology. EMU has a strong teaching and research mission consistent with its comprehensive metropolitan university status. The University offers more than 200 graduate and undergraduate programs, including several applied doctoral degrees. With an enrollment of nearly 24,000 students, EMU is nationally recognized for its diverse student body, low ratio of students to faculty (19:1), and commitment to engaging and serving the surrounding southeastern Michigan region. The University employs just under 700 faculty members represented by the American Association of University Professors (EMU-AAUP) along with full-time and part-time lecturers represented by the American Federation of Teachers (EMU-FT). EMU is located in Ypsilanti, Michigan, 7 miles east of Ann Arbor and 20 minutes from the Detroit Metropolitan Airport. For further information, please visit www.emich.edu.

The College of Technology serves over 1800 undergraduate and 400 graduate and doctoral students. The College offers 18 undergraduate majors, 9 Master's programs, and the college-wide Doctoral program in Technology. A strong commitment to student success is a priority to the College. Examples of the high quality of the programs in the College are highlighted by the accreditation of the Mechanical Engineering Technology program by ABET, the accreditation of the Construction Management program by ACCE, accreditation of the Hotel and Restaurant Management program by ACPHA, the approval of the Paralegal Studies program by the ABA, and the recognition of the Information Assurance program as a Center of Academic Excellence by the NSA. One of five colleges at EMU, it employs over 55 tenure and tenure-track faculty members recently organized into four Schools (School of Information Security and Applied Computing, School of Engineering Technology, School of Technology and Professional Services Management, and School of Visual and Built Environments). The College is also home to the Center for Product Development, Center for Regional and National Security, Coatings Research Institute, and Textile Research and Training Institute. The mission of the College centers on innovative, applied, global, and interdisciplinary programming. Strong contacts with industry and professions give EMU students excellent opportunities for learning beyond the classroom through experiences such as internships, coops, and full-time job placements. The College is active internationally, especially in China, India, and Europe.

Candidates for the position should possess:

- Doctoral degree or appropriate terminal degree in a discipline represented in the College.
- A recent teaching and scholarly record that merits an appointment as a professor with tenure in a discipline in the College of Technology.
- Relevant knowledge and experience in program planning and development, budgeting, and administration, typically acquired through seven years of experience in higher education positions and/or distinguished record of management and leadership in the private or public sector.
- Commitment to the mission of public engagement within Southeast Michigan, especially the advancement of community, university, professional and industry partners.

Key responsibilities (not in any particular order):

- Recruit, retain, and mentor high-quality diverse faculty, staff and students.
- Provide intellectual and academic leadership within the College of Technology for continuous improvement in scholarship, accreditation, teaching, advising services, curricular design and implementation, and the use of technologies.
- Champion the Ph.D. program.
- Participate in University planning, collaboratively advocate for the College, and oversee the College's budgets, allocation of resources, and professional faculty and staff.
- Support the College's leadership position in globalizing technology programs through curricular development, international programming, and recruitment.
- Demonstrable experience in marketing the College's programs.
- Support the process of obtaining and managing research-related grants.
- Demonstrable experience in fundraising at the college and university levels to support the college mission, goals, faculty, and students.
- Enhance and foster an environment focused on student success.
- Ability to foster a collaborative atmosphere with the stakeholders in the College and across EMU.
- Strong communication and interpersonal skills as demonstrated by a clear understanding of the college mission and the ability to form professional relationships at all levels within EMU and with external stakeholders, including industry and the professions.
- Knowledge of and ability to implement interdisciplinary programs and projects.

Anticipated start date is July 1, 2015. Salary is competitive and determined with consideration to candidate's experience and qualifications. Review of applications will begin January 15, 2015 and continue until the position is filled. Interested candidates please apply online at <http://agency.governmentjobs.com/emichedu/default.cfm>. Complete applications will include a letter of interest addressing qualifications and ability to fulfill the responsibilities, curriculum vita or complete resume, and list of names including contact information for four references.

Eastern Michigan University is an affirmative action/equal employment opportunity employer.

Professional Opportunities

Florida Institute of Technology

Department of Computer Sciences & Cybersecurity

Open Faculty Position

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

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

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

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

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

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

Applicants should send letters of intent, curriculum vitae, research and teaching

summaries and full contact information for at least three references, via email (swe-faculty-search@fit.edu).

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

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

Equal Opportunity Employer Minorities/
Women/Veterans/Disabled

We are an E-verify employer [EEO is the Law](#)

http://www.fit.edu/hr/documents/eeoc_law.pdf

Florida Institute of Technology

Multiple Open Faculty Positions

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

Required qualifications for the position include an earned Ph.D. with a specialization in Computer Information Systems or a related area, evidence of the ability to develop and sustain an active research program, and a sincere interest in quality teaching, at both the undergraduate and graduate levels. One position is offered at a senior level; for the others, candidates at the Assistant level are preferred.

Our current CIS programs are offered on our main campus in Melbourne, online, and at our extended sites. For the more senior position,

an ideal candidate is a faculty member who has a strong interest in managing these programs and overseeing their growth.

As such, we are seeking a candidate with management experience who has vision and good leadership skills. The position will report directly to the Dept. Head of Computer Sciences & Cybersecurity, and the successful candidate will be tasked with growing and integrating our CIS offerings including our online program and supervision of full time/adjunct faculty members.

The Department has significant active research funding from multiple government agencies and commercial companies. Building a strong research foundation within the CIS group and integrating CIS course offerings with the CS and SWE programs are long term goals of the Department.

For our other positions, we are interested in Assistant-level candidates with a strong interest in building a balanced academic career consisting of both teaching and research. Experience with Computer Security is a strong plus, however all interested candidates are encouraged to apply.

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

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

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

Professional Opportunities

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

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employer

EEO is the Law

http://www.fit.edu/hr/documents/eeoc_law.pdf

Florida International University

Tenure-Track and Tenured Faculty Positions

Florida International University is recognized as a Carnegie engaged university. It is a public research university with colleges and schools that offers more than 180 bachelor's, master's and doctoral programs in fields such as engineering, international relations, architecture, law and medicine. As one of South Florida's anchor institutions, FIU contributes \$9.8 billion each year to the local economy. 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. FIU has awarded over 200,000 degrees and enrolls more than 54,000 students in two campuses and three centers including FIU Downtown on Brickell, FIU@I-75, and the Miami Beach Urban Studios. FIU also supports artistic and cultural engagement through its three museums: the Patricia & Phillip Frost Art Museum, the Wolfsonian-FIU, and the Jewish Museum of Florida-FIU. FIU is a member of Conference USA and has over 400 student-athletes participating in 18 sports. For more information about FIU, visit <http://www.fiu.edu/>.

The School of Computing and Information Sciences (SCIS) seeks exceptionally qualified candidates for tenure-track and tenured faculty positions at all levels as well as non-tenure track faculty positions at the level of Instructor, including visiting instructor appointments. SCIS is a rapidly growing program of excellence at the University, with 30 tenure-track faculty members and over 1,800 students, including over 80 Ph.D. students. SCIS offers B.S., M.S., and Ph.D. degrees in Computer Science, an M.S. degree in Telecommunications and Networking, and B.S., B.A., and M.S. degrees in Information Technology. SCIS has received over \$22M in the last four years in external research funding, has six research centers/clusters with first-class computing and support infrastructure, and enjoys broad and dynamic industry and international partnerships.

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

SCIS seeks exceptionally qualified candidates for tenure-track and tenured faculty positions at all levels. We seek well-qualified candidates in all areas; researchers in the areas of cybersecurity, cognitive modeling, compilers and programming languages, computer architecture, databases, information retrieval and big data, and biomedical systems are particularly encouraged to apply. Preference will be given to candidates who will enhance or complement our existing research strengths.

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

levels. An earned Ph.D. in Computer Science or related disciplines is required.

Non-tenure track instructor positions (Job Opening 507474)

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

HOW TO APPLY:

Qualified candidates for open-rank faculty positions are encouraged to apply to (Job Opening ID #508676); and candidates for instructor positions are encouraged to apply to (Job Opening ID # 507474). Submit applications at facultycareers.fiu.edu and attach cover letter, curriculum vitae, statement of teaching philosophy, research statement, etc as individual attachments. Candidates will be required to provide names and contact information for at least three references who will be contacted as determined by the search committee. To receive full consideration, applications and required materials should be received by December 31st, 2014. Review will continue until position is filled.

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

FIU is a member of the State University System of Florida and an Equal Opportunity, Equal Access Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law.

Professional Opportunities

Florida State University

*Department of Computer Science
Tenure-Track Assistant Professor*

The Department of Computer Science at the Florida State University invites applications for one tenure-track Assistant Professor position to begin August 2015. The position is 9-mo, full-time, tenure-track, and benefits eligible. We are seeking outstanding applicants with strengths in the areas of Big Data and Digital Forensics. Outstanding applicants specializing in other research areas will also be considered. Applicants should hold a PhD in Computer Science or closely related field, 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 January 1, 2015 and will continue until the position is filled. Please apply online with curriculum vitae, statements of teaching and research philosophy, and the names of five 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

Fontbonne University

Tenure-Track Faculty in Bioinformatics

The Department of Mathematics and Computer Science at Fontbonne University launched an exciting new major in bioinformatics in fall 2014. As a result, the Math & Computer Science Department is seeking a new full-time, tenure-track faculty member to join the department. This faculty member will have the unique opportunity to serve as the first director of the new bioinformatics degree program. We seek a motivated, organized, enthusiastic and excellent instructor who can skillfully serve in multiple roles, including lecturer, student mentor, and program director. The new faculty member will be expected to design and teach upper division courses in bioinformatics as well as continue his/her research in the field. The successful candidate will be a dedicated and excellent teacher who can motivate undergraduate students to master the skills, concepts and methods of bioinformatics, as well as other topics in computer science and statistics.

Qualified candidate should:

- Hold a Ph.D. in bioinformatics, computer science, computer engineering, software engineering or a related field.
- Have experience with and/or an excellent understanding of molecular genetics, the tools of molecular biology and NextGen sequencing techniques.
- Have teaching experience
- Be willing to assume department and university responsibilities such as advising students, participating in university governance, and directing student research projects.
- Demonstrate excellent communication (oral and written), organizational, and networking skills.

Review of applicants will begin on January 12, 2015. Please send a current curriculum vita, a statement of teaching philosophy, evidence of teaching effectiveness, a brief statement of research interests/accomplishments, and three letters of recommendation to:

Human Resources
Fontbonne University
6800 Wydown Boulevard
St. Louis, MO 63105

Or via email to: resumes@fontbonne.edu.
Equal Opportunity Employer

Fordham University

*Department of Computer and
Information Science*

*Assistant Professor, Tenure Track -
Specialization in Cybersecurity*

Fordham University invites applications for a tenure track position of Assistant Professor in the Department of Computer and Information Science, cybersecurity specialization.

For complete position description, see <http://www.cis.fordham.edu/openings.html>.

Electronic applications may be submitted to Interfolio Scholar Services: apply.interfolio.com/25961.

Franklin & Marshall College

*Visiting Assistant Professor/Instructor of
Computer Science*

Franklin & Marshall College invites applications for a Visiting Assistant Professor or Visiting Instructor position in COMPUTER SCIENCE, for the academic year 2014-2015, with possible renewal for a total of three years. The rank will depend on qualifications. We seek applicants who are eager to work with undergraduates in a liberal arts setting. Excellence in teaching and evidence of scholarly achievement are required, as is a Ph.D. or ABD in Computer Science.

Professional Opportunities

Our teaching load is 3/2. The successful candidate will teach both introductory and advanced computer science courses. Salary will be competitive with computer science salaries at other liberal arts institutions. The College supports teaching and research in a variety of ways, including significant support for students to collaborate on research.

Applicants should submit the following at <https://academicjobsonline.org> (listing #5071)

- a letter of application;
- a curriculum vitae;
- teaching and research statements;
- teaching evaluations, if available (based on direct observations by students and/or supervisors);
- a graduate transcript (official copies will be required prior to an interview); and
- three letters of recommendation, including at least one that addresses the applicant's teaching ability.

Completed applications received by February 9, 2015 are guaranteed full consideration, although review of applications will continue until the position is filled. Direct any questions to Iwan Praton at ipraton@fandm.edu or at 717-291-4238.

Franklin & Marshall College is a highly selective liberal arts college located in Lancaster, Pennsylvania, about one and one half hours from both Philadelphia and Baltimore. For more information about the College, see our web site at www.fandm.edu. Franklin & Marshall College is committed to having an inclusive campus community where all members are treated with dignity and respect. As an Equal Opportunity Employer, the College does not discriminate in its hiring or employment practices on the basis of gender, race or ethnicity, color, national origin, religion, age, disability, family or marital status, or sexual orientation.

Franklin University

Department of Science, Technology, and Mathematics

Lead Faculty, Computing Sciences

Franklin University is a private, independent, not-for-profit University located in Columbus, Ohio. The University invites applications for a full-time, year-round, computing sciences lead faculty, beginning immediately.

Applicants must possess a doctoral degree in computer science or related field. A specialization in information security, web development, or information technology, and at least three years of college teaching are strongly desired. ABD candidates may be considered.

To apply and see the complete position announcement, please visit: <http://www.franklin.edu/news-community/careers-at-franklin/search-positions/lead-faculty-computing-sciences>

EOE

George Mason University

Computer Science Department

Tenure Track Assistant Professor

The Department of Computer Science in the Volgenau School of Engineering at George Mason University invites applications for a tenure-track faculty position at the rank of Assistant Professor beginning Fall 2015. While applicants in all areas of computer science will be considered, we are particularly interested in candidates in the areas of security and privacy.

Minimum qualifications for the position include a Ph.D. in Computer Science or a related field, demonstrated potential for excellence and productivity in research, and a commitment to high quality teaching. The department has over 40 faculty members with wide-ranging research interests including artificial intelligence, algorithms, computational biology, computer graphics, computer

vision, databases, data mining, parallel and distributed systems, real-time systems, robotics, security, software engineering, and wireless and mobile computing. The CS department has over \$6 Million in annual research funding and has 10 recipients of NSF's prestigious CAREER awards.

In addition to BS, MS and PhD programs in Computer Science, the department offers a MS in Information Security and Assurance. The department also participates in an inter-disciplinary BS in Cyber-Security Engineering offered by the Volgenau School of Engineering. For more information on the department, visit our Web site: <http://cs.gmu.edu/>.

George Mason University is located in Fairfax in the Northern Virginia suburbs of Washington, DC. Northern Virginia is home to one of the largest concentrations of high-tech firms in the nation, providing excellent opportunities for interaction with government agencies and industry. George Mason has grown in leaps and bounds since its inception in 1972 and is consistently ranked among the top up-and-coming universities in the USA by US News and World Report.

For full consideration please submit application and application materials on-line at <http://jobs.gmu.edu> (position number F9866z). To apply, you will need a statement of professional goals including your perspective on teaching and research, a complete C.V. with publications, and the names of three references. The review of applications will begin on January 16, 2015 and continue until the position is filled.

George Mason University is an equal opportunity employer encouraging diversity

Professional Opportunities

Georgetown University

Tenure-Track Position

The Department of Computer Science at Georgetown University invites applications for a tenure-track position in Computer Science at the Assistant Professor level. We are particularly interested in applicants with expertise in large-scale data analytics, which includes web analytics, data science, database, data mining, machine learning, applied algorithms, data and visual analytic systems, or related fields. A successful candidate is one who has demonstrated ability to conduct high-quality research in one or more of the areas of interest and has the potential to excel in teaching at the undergraduate and graduate levels. The proposed start date is August 2015. Required Qualifications: Applicants must have a Ph.D. in Computer Science or a closely related field. The degree must be completed before August 2015.

Candidates should visit <http://www.cs.georgetown.edu/positions> for instructions on submitting applications. Applications received by January 15, 2015, will receive full consideration for first-round interviews though later applications are welcome.

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

Georgia Institute of Technology

School of Computer Science

Faculty Positions

Applications will be considered until open positions are filled. However, to receive full consideration, applications should be submitted by December 8, 2014. Application

materials should include a full academic CV, teaching and research statements, and a list of at least three references. Applicants are encouraged to clearly identify in their cover letter the area(s) that best describe their research interests. All applications must be submitted online.

More information about the School of Computer and application instructions are available at <http://www.scs.gatech.edu/about/facultypositions>.

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

Harvard School of Engineering and Applied Sciences

Tenured Positions in Computer Science

The Harvard School of Engineering and Applied Sciences (SEAS) at Harvard University seeks applicants for positions at the tenured level in the area of Theoretical Computer Science, with an expected start date of July 1, 2015.

The Computer Science program at Harvard University benefits from outstanding undergraduate and graduate students, an excellent location, significant industrial collaboration, and substantial support from the School of Engineering and Applied Sciences. Information about Harvard's current faculty, research, and educational programs in computer science is available at <http://www.seas.harvard.edu/computer-science>. The associated Institute for Applied Computational Science (<http://iacs.seas.harvard.edu>) fosters connections among computer science, applied math, data science, and various domain sciences at Harvard through its graduate programs and events.

Candidates are required to have a doctoral degree. We are seeking candidates who have an outstanding research record and strong

commitment to undergraduate teaching and graduate training.

Applicants will apply on-line at: <http://academicpositions.harvard.edu/postings/5879>

Required application documents include a cover letter, curriculum vitae, copies of up to three representative papers, a research statement, a teaching statement, and names and contact information for at least three references. We encourage candidates to apply by December 15, 2014, but will continue to review applications until the positions are filled.

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

Hendrix College

Department of Mathematics and Computer Science

Assistant Professor of Computer Science

Hendrix College invites applications for a tenure track position as Assistant Professor of Computer Science to begin in August 2015. The College seeks to extend its tradition of excellence in teaching and scholarship by attracting faculty who combine mastery of their disciplines with broad intellectual interests and commitment to the aims of a liberal arts college. The Computer Science curriculum emphasizes open-ended projects starting in the first semester, pervasive use of hardware such as smartphones and robots, and interdisciplinary applications of computing. The successful candidate will teach six courses annually and will sustain a research program involving undergraduate students; any research specialty complementary to those of current faculty will be welcome. Doctorate is preferred; ABD will be considered.

Professional Opportunities

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

IBM T.J. Watson Research Center

*Mathematical Sciences Department
Goldstine Postdoctoral Fellow*

The Mathematical Sciences Department of the IBM Watson Research Center invites applications for its 2015-2016 Herman Goldstine Memorial Postdoctoral

Fellowship for research in mathematical and computer sciences. Areas of research in the department include algorithms, complex systems, data mining, dynamical systems, high-performance computing, inverse problems, numerical analysis, optimization, probability theory, statistics, simulation and operations management.

Up to two fellowships will be awarded with a stipend between \$95,000 and \$120,000 (depending on experience). Applications must be received before January 16, 2015.

Complete details are available at <http://www.research.ibm.com/goldstine/>

Indiana University, Bloomington

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

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

Applicants should have an active research program that complements the department's

Hajim

Faculty Positions in Computer Science: Experimental Systems



The University of Rochester Department of Computer Science seeks applicants for a tenure track position in the broad areas of experimental systems research (including but not limited to architecture, data-driven systems, mobile and embedded systems, networks, operating systems, parallel and distributed systems, and security). However, candidates in all areas of computer science who see a good synergistic fit with research initiatives at the university are encouraged to apply, especially candidates from groups underrepresented in higher education. Candidates must have a PhD in computer science or a related discipline.

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

Consideration of applications at any rank will begin immediately and continue until all interview slots are filled. Candidates should apply no later than January 1, 2015 for full consideration. Applications that arrive after this date incur a probability of being overlooked or arriving after the interview schedule is filled up.

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

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

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

Professional Opportunities

existing strengths in machine learning, spatial statistics, and Bayesian inference, as well as a commitment to teaching excellence. Applicants for appointment as a full professor should be renowned scholars with a demonstrated commitment to department service.

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

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

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

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

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

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

Indiana University-Purdue University Indianapolis (IUPUI)

Department of Computer and Information Science

Tenure-track Faculty Position

The Department of Computer and Information Science at IUPUI invites applications for a tenure track faculty position at the Assistant or Associate Professor level, beginning August 2015. An applicant must hold a Ph.D. in Computer Science or a closely related field at the time of appointment, and is expected to develop a high-quality externally funded research program and be committed to excellence in teaching undergraduate and graduate students. While we welcome applicants in all areas of computer science to apply, we are especially interested in candidates in the area of Big Data, with preference for candidates whose research overlaps with one or more of the areas of (a) Computational Science, (b) Information Security, and (c) Data Visualization.

The application should be submitted via email (as PDF files) to the Faculty Search Committee (wittlief@cs.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 January 15, 2015 and will continue until the positions are filled.

The IUPUI campus, located in downtown Indianapolis, is an urban comprehensive research university with 19 academic schools, including one of the largest medical schools in the nation. The Department of Computer and Information Science offers Purdue University degrees at the Bachelor, Master, and Ph.D levels, with nearly 300 undergraduate majors and 200 graduate students. The Department currently has 15 full time tenure track faculty and 3 full time lecturers. The CIS faculty members

are committed to high quality research and teaching, with research foci on data mining, imaging/visualization, high performance computing, and networking/network security. Faculty research programs are well funded by NSF (including several CAREER awards in recent years), NIH, NASA, NIJ and DoD. For further information about the Department, please visit <http://www.cs.iupui.edu>.

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

IT University Innopolis, Kazan, Tatarstan, Russia

Faculty - Computer Science

Application Deadline: February 28, 2015 (applications will be reviewed until the position is filled)

Type: Full Time or special arrangement

IT University Innopolis, the first Russian university, dedicated to information technology, is seeking highly qualified faculty members for the Department of Computer Science. Recruited faculty will deliver undergraduate programs and will be responsible for building and leading a research group.

The initial appointment is a 5-year contract, which is renewed every 2 years on a rolling basis with expectation for tenure. Senior faculty are invited to spend sabbatical at Innopolis on negotiable conditions.

Applicants for all ranks specializing in computer science, information security systems and game and entrainment science are encouraged to apply. Successful candidates must have academic qualifications at a doctoral level from an internationally recognized educational

Professional Opportunities

and research institution, excellent English communication skills and a proven research track record.

Innapolis University offers a competitive salary and an attractive benefits package including paid vacation, housing allowance, relocation allowance, home leave travel, health care coverage and educational allowance children. The start-up package will also include funding for two PhD students and additional discretionary funds for research.

For more information about the position and how to apply, please go to: <http://university.innapolis.ru/en/join-us/faculty>

Johns Hopkins University

Junior and Senior Researchers

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

The COE, located near Johns Hopkins' beautiful Homewood campus in Baltimore, Maryland, conducts long-term research on fundamental challenges that are critical for real-world problems. Its researchers publish widely.

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

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

- **Natural Language Processing and Understanding:** Information extraction, knowledge distillation, semantics, sentiment, parsing, morphology, including low-resource languages
- **Machine Translation:** Low-resource languages, large-scale training, phrase-based and syntax-based approaches

- **Speech Processing:** Robust speech recognition and speaker identification (multiple languages, genres, and channels, limited resources), speech retrieval, language identification
- **Machine Learning:** Large-scale learning, transfer learning, semi-supervised learning, data mining

Research Scientists

Research scientist positions carry many of the same benefits and responsibilities as faculty positions. Scientists are charged with setting the agenda for a research program, working with other members of the HLTCE research team to pursue the organization's cutting edge research goals, publishing

IOWA STATE UNIVERSITY

Professor of Computer Science

Job Description: The College of Liberal Arts and Sciences (www.las.iastate.edu) at Iowa State University (ISU) has begun a major interdisciplinary hiring initiative (www.las.iastate.edu/faculty-careers) to help foster collaborative research and teaching, especially in its Signature Themes (www.las.iastate.edu/research/signature-themes/). As part of this initiative, the Departments of Computer Science (www.cs.iastate.edu), Mathematics (www.math.iastate.edu) and Statistics (www.stat.iastate.edu) have launched a new multi-year hiring effort to expand research and education in the area of Bioinformatics and Computational Biology (BCB). This initiative is further supported and complemented by several other simultaneous new hiring efforts, especially targeting the themes of Data-Rich Environments and Biology Structures & Systems, as well as recent big data hires in the biological and engineering sciences.

As an initial part of the BCB hiring initiative the Department of Computer Science at Iowa State University seeks outstanding applicants for a Full Professor at the intersection of big data analytics in bioinformatics and computational biology.

For more details, please visit: <http://www.iastatejobs.com/postings/7966> and look for Posting #400062. To ensure consideration, please apply by 01/14/2015.

Required Education and Experience: PhD in Computer Science or related field; An outstanding national and international reputation in Bioinformatics and Computational Biology.

Preferred Education and Experience: Publication in top tier venues in bioinformatics, computational biology and big data analytics; Strong record of securing research funding; Outstanding skill in instruction or training; and Leadership in interdisciplinary research and educational initiatives.

Salary: Commensurate with qualifications.

Iowa State University is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, genetic information, national origin, marital status, disability, or protected veteran status, and will not be discriminated against. Inquiries can be directed to the Director of Equal Opportunity, 3350 Beardshear Hall, (515) 294-7612.

Professional Opportunities

research results in academic venues, advising students, and (optionally) teaching university courses.

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

Junior applicants: Junior applicants should have a strong record of publication and demonstrated research experience. Applicants should have experience equivalent to those applying to assistant professor positions. Submit applications by **January 3, 2015** for full consideration; however, applications will be accepted until positions have been filled.

Post-Docs

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

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

Applications: <https://academicjobsonline.org/ajob/jobs/4656>

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

The Johns Hopkins University

Tenure Track and Teaching Track Positions

With the opening of our new building, **Malone Hall**, the Department of Computer Science at The Johns Hopkins University is planning to continue a substantial multi-year growth that has already added 11 new faculty members to the department since

2010. Our faculty search this year is open to both tenure track and teaching track positions at all levels and from all areas of Computer Science. For tenure track positions, applicants in systems, networking, and related areas are strongly desired. We also encourage applicants with an interest in systems and network security, cloud

and mobile security, and health-related applications security to apply. For teaching track positions, applicants with the ability to teach courses related to software engineering at both undergraduate and graduate levels are particularly encouraged.

All applicants must have a Ph.D. in Computer Science or a related field. Tenure track

Assistant/Associate Professor

The College of Information Sciences and Technology (IST) at the Pennsylvania State University invites applications for a faculty position in information security and privacy. We seek exceptional candidates with a high quality research and publication record to strengthen and complement our current research strengths in systems and software security, usability considerations in privacy and security, economics of information security, and privacy. We welcome applications from scholars at all ranks and with a variety of disciplinary backgrounds including computer and information sciences, decision sciences, and economics. Successful candidates will be expected to develop an internationally competitive, externally funded research program, contribute to graduate and undergraduate education and training. The Pennsylvania State University is the land grant institution of Pennsylvania. The College of IST offers a highly collaborative interdisciplinary research environment, strong research programs (the cyber-security program is currently funded by over \$4 million of prestigious external grants), a strong PhD program, and a very successful undergraduate program.

To apply, please visit <http://apptrkr.com/536800>. Review of applications will begin on Nov. 15, 2014, and continue until the position is filled. Enquiries about the position may be directed to recruit@ist.psu.edu.

Employment will require successful completion of background check(s) in accordance with University policies.

CAMPUS SECURITY CRIME STATISTICS: For more about safety at Penn State, and to review the Annual Security Report which contains information about crime statistics and other safety and security matters, please go to <http://www.police.psu.edu/clery/>, which will also provide you with detail on how to request a hard copy of the Annual Security Report.

Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to minorities, women, veterans, disabled individuals, and other protected groups.

Professional Opportunities

faculty will be expected to establish a strong, independent, multidisciplinary, internationally recognized research program. Commitment to quality teaching at the undergraduate and graduate levels is required. The department is committed to building a diverse educational environment; women and minorities are especially encouraged to apply.

A more extensive description of our search and additional supporting information can be found at <http://www.cs.jhu.edu/Search2015>. More information on the department is available at <http://www.cs.jhu.edu>.

Applicants should apply using the online applications which can be accessed from

<http://www.cs.jhu.edu/apply>. Applications should be received by December 15, 2014 for full consideration. Questions should be directed to fsearch@cs.jhu.edu.

The Johns Hopkins University is an EEO/AA employer.

Faculty Search
Johns Hopkins University
Department of Computer Science
Malone Hall Room 160
Baltimore, MD 21218-2694
Fax: 410-516-6134
Phone: 410-516-8775
fsearch@cs.jhu.edu
<http://www.cs.jhu.edu/apply>

Loyola University Chicago

Computer Science and Biology

Two Assistant Professor Positions (Tenure-Track)

We invite applications for two tenure-track faculty positions, both starting in fall 2015.

Assistant Professor of Computer Science:
Teaching responsibilities include introductory courses in computer science and advanced courses related to the candidates' areas of expertise. Candidates must possess, or be close to completing, a PhD degree in computer science, computer engineering, or a related discipline. Areas of interest include but are not limited to, high performance parallel/distributed computing, cloud

Faculty Positions in Visualization

The Computer, Electrical, and Mathematical Sciences and Engineering (CEMSE) Division at King Abdullah University of Science and Technology (KAUST) invites applications for faculty positions at all levels (Full, Associate, and Assistant Professor) in the area of visualization.

KAUST is an international, graduate-level research university dedicated to advancing science and technology through interdisciplinary research, education, and innovation. Located on the shores of the Red Sea in Saudi Arabia, KAUST offers superb research facilities, generous assured research funding, and internationally competitive salaries, attracting top international faculty, scientists, engineers, and students to conduct curiosity-driven and goal-oriented research to address the world's pressing scientific and technological challenges in the areas of energy, food, water, and the environment.

KAUST is seeking candidates with an established track record of research in scientific visualization, information visualization, or visual analytics. Successful candidates will have a PhD in Computer Science or equivalent, and a strong publication record in top-tier conferences and journals. Senior candidates must have demonstrated strong leadership in the field. Successful candidates will be appointed within the Computer Science program, and are expected to engage with the KAUST Visual Computing Center (VCC).

The VCC is KAUST's hub for research activities spanning all areas of visual computing, ranging including imaging, computer vision, computer graphics, and visualization, as well as interdisciplinary applications in visual computing. The VCC offers a unique combination of an intellectually stimulating environment and access to superb facilities, including large-scale virtual reality installations in the KAUST Visualization Core Lab (KVL) and KAUST's 5 petaflop/s Shaheen-2 supercomputer.

Candidates should apply on the <http://apptkr.com/537770> employment site. Candidates should include the names of three references for Assistant Professor positions and at least six for senior positions. Applications will be considered until the positions are filled. The application cycle will close on April 15, 2015. Prospective candidates are advised to apply as soon as possible.



www.kaust.edu.sa

Professional Opportunities

computing (including large-scale sustainable/green computing), large-scale databases, data visualization, predictive analytics/data analytics, social media and networking, and information assurance/security. Please apply online at <http://bit.ly/luccs2015>.

Assistant Professor of Computational Biology: This is a joint appointment with the Department of Biology with teaching responsibilities split between the two departments. Candidates must have a PhD in a related discipline and post-doctoral experience. Preference will be given to candidates with expertise in genomics and the use of big data analytics. Please apply online at <http://bit.ly/lucbio2015>.

Review of applications will begin December 1st, 2014, and continue until the positions are filled. LUC is an Equal Opportunity/Affirmative Action employer with a strong commitment to hiring for our mission and diversifying our faculty. Applications from women and minority candidates are especially encouraged.

Marietta Campus of Kennesaw State University

Dean of the College of Computing and Software Engineering

Kennesaw State University in Kennesaw, Georgia, is seeking applications and nominations for the position of **Dean of the College of Computing and Software Engineering**. Review of candidate materials will begin on January 14, 2015.

The College of Computing and Software Engineering (CCSE) is located at the Marietta Campus of Kennesaw State University. The Dean of the CCSE reports to the Provost/Vice President for Academic Affairs and provides leadership and support in a variety of curricular and administrative activities.

In November 2013, the Board of Regents of the University System of Georgia announced the consolidation of Kennesaw State

University and Southern Polytechnic State University. The consolidated institution, named Kennesaw State University, is estimated to enroll nearly 33,000 students. The main campus will be KSU's current campus in Kennesaw, Georgia (Cobb County), which will be home for KSU's existing ten colleges. The Marietta Campus, is less than

ten miles away in Marietta, Georgia (Cobb County), and will be a full-service campus of the consolidated KSU. The Marietta campus is located on 203 acres of naturally wooded landscape in the historic and vibrant city of Marietta, just 20 minutes from downtown Atlanta.

LSU

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

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

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

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

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

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

Quick link at ad URL:

<https://lsusystemcareers.lsu.edu/applicants/Central?quickFind=58392>

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

Professional Opportunities

KSU and CCSE seek a dynamic leader who has the personal characteristics and professional experiences/capability to lead the College as it merges the cultures and personnel of the two campuses and continues to grow in new and innovative ways.

Qualifications and experiences include an earned doctorate (Ph.D. preferred) in computer science or a related discipline and eligibility to serve at the rank of a tenured professor at KSU in one of the College's departments; a record of scholarly success in generating extramural funds, particularly grant and contract funding preferably from multiple sources; a dynamic, creative, visionary and entrepreneurial leader who has situational and people awareness, and a willingness to understand the broader environment; a minimum of five years administrative experience in the U.S.; and the ability to work collaboratively with faculty, staff and administration to move the College forward during a time of change.

To apply, candidates should send the required materials as an e-mail attachment in Word or PDF format to ccsekennesaw@academic-search.com. Additional information about this position can be found at <http://academic-search.com/data/files/kennesawdeancseprofile.pdf>.

Kennesaw State is assisted by Ms. Maya Kirkhope and Dr. Mac A. Stewart of Academic Search, Inc. in Washington, DC. Maya can be contacted at mrk@academic-search.com and (703) 380-9195, and Mac may be contacted at mas@academic-search.com and 614-582-5622. Please visit the University website at <http://www.kennesaw.edu> for more information.

Please click on this link to view a video message from Provost Ken Harmon about this search – https://files.kennesaw.edu/xythoswfs/webui/_xy-2295506_1-t_7AByiUpV

Kennesaw State University, a member of the University System of Georgia, is an Equal Opportunity/Affirmative Action employer and does not discriminate on the basis of age, color, disability, national origin, race, religion, sex, sexual orientation, and/or veteran status. Georgia is an open records state.

Max Planck Institute for Software Systems

Tenure Track Openings

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

MichiganTech

Michigan Technological University
Department of Computer Science
Tenure-Track Faculty Positions

We anticipate hiring three tenure-track faculty positions to begin August 2015. Applications are invited at the Assistant or Associate Professor level. One position is expected to focus on big data or visualization. Other areas are: cybersecurity, human-centered computing, computer and cyber-physical systems, wireless networks, and mobile computing. Candidates with potential to conduct collaborative research across disciplines are particularly encouraged to apply.

The Department has over 350 undergraduates in three degree programs (Computer Science, Computer Systems Science, and Software Engineering) and approximately 40 M.S. and Ph.D. students. Faculty research interests include architecture, artificial intelligence, cloud computing, distributed systems, embedded and multimedia systems, graphics & visualization, human computer interaction, machine learning, software engineering, virtual environments, and wireless networks. In addition, the Department is a member of the Alliance for Computing, Information & Automation and participates in several interdisciplinary initiatives, including the Data Science graduate program.

Michigan Technological University, a state research university in Houghton, MI, with approximately 7,100 students and 400 faculty, has educational and research programs in computing, engineering, physical and social sciences, forestry, humanities, and business. Michigan Tech is located in Michigan's scenic Upper Peninsula and is surrounded by Lake Superior and nearby forests. The community offers year-round recreational and cultural opportunities.

Applications should include a cover letter, vita, teaching statement, research statement, and the names of three references. Review of applications will begin immediately and continue until the positions are filled. For full consideration, applications should be received by January 5, 2015. Applications for the big data or visualization position should be submitted online at: <http://www.jobs.mtu.edu/postings/2060>. Applications for the cybersecurity, human-centered computing, computer and cyber-physical systems, wireless networks, and mobile computing interests should be submitted online at: <http://www.jobs.mtu.edu/postings/2059>.

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

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

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

Professional Opportunities

software verification and analysis, parallel, distributed, and networked systems.

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

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

To this end, the institute offers a unique environment that combines

the best aspects of a university department and a research laboratory:

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

MPI-SWS currently has 10 tenured and tenure-track faculty and about 50 doctoral and post-doctoral researchers. The institute will grow to at least 17 faculty over the coming years. We maintain an open, international and diverse work environment and seek applications from outstanding researchers regardless of national origin or citizenship. The working language is English; knowledge of the German language is not

required for a successful career at the institute.

The institute is located in Kaiserslautern and Saarbruecken, in the tri-border area of Germany, France and Luxembourg.

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

Qualified candidates should apply online via the secure application form. The review of applications will begin on December 1, 2014, and applicants are strongly encouraged to apply by that date; however, applications will continue to be accepted through December 2014.

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

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

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

Middle Tennessee State University

Department of Computer Science Tenure-Track Assistant Professor

The Department of Computer Science at MTSU (<http://www.mtsu.edu/csc/>) invites applications for an assistant professor tenure-track positions beginning August 1, 2015. Applicants must hold a doctorate degree in computer science or related field

by appointment date. This position requires a commitment to excellence in both research and teaching. The successful applicant must be willing to teach both undergraduate and graduate courses.

The Department offers both BS and MS degrees and has close ties with the Computational Sciences PhD Program. There are ~450 undergraduate and graduate majors.

MTSU is a Carnegie classified Doctoral/Research University (DRU) with ~25,000 students, and is located 35 miles south of Nashville in Murfreesboro, TN.

Apply at <https://mtsujobs.mtsu.edu/>. Include curriculum vita, research statement, and statement of teaching philosophy. Original letters of recommendation, specific to the position, and official transcripts (not issued to student) of all degrees are required PRIOR to any on-campus interviews. Inquiries to Dr. Suk Seo (suk.seo@mtsu.edu), Dept. of Computer Science, MTSU Box 48, 1301 E. Main St., Murfreesboro, TN 37132. Application review begins January 20, 2015 and continues until positions are filled. Call 615-898-5128 for application process questions.

EO/AA Employer.

Missouri State University

Computer Science Department Assistant Professor

Missouri State University invites application for a full-time tenure-track Assistant Professor in our Computer Science Dept., accredited by ABET. PhD in CS is required (ABD considered). Start date: Aug. 2015, first consideration: Dec. 1, 2014.

For more information and instructions visit <https://jobs.missouristate.edu/postings/16788>. Employment will require a criminal background check at University expense.

EO/AA/M/F/Veterans/Disability.

Professional Opportunities

Mount Holyoke College

Computer Science Department

Visiting Lecturer - Computer Science

The Computer Science Department at Mount Holyoke College invites applications for a full-time, Visiting Lecturer beginning in January 2015 with the possibility of continuing through the 2015-6 academic year. We are seeking someone with a strong interest in teaching and working closely with undergraduate students. Responsibilities will include teaching courses and lab sections, with a total teaching load equivalent to five courses per year.

Applicant must have a Ph.D in computer science, or expect to complete one by January 2015. Teaching experience is required.

Mount Holyoke is an undergraduate liberal arts college for women with 2,200 students and 230 faculty. Over half the faculty are women; one-fifth are persons of color. Mount Holyoke College is located about 80 miles west of Boston in the Connecticut River valley, and is a member of the Five College Consortium consisting of Amherst, Hampshire, Mount Holyoke, and Smith Colleges and the University of Massachusetts. Mount Holyoke is committed to fostering multicultural diversity and awareness in its faculty, staff, and student body and is an Equal Opportunity Employer. Women and persons of color are especially encouraged to apply.

Candidates should prepare a letter of interest, CV, a teaching philosophy statement including evidence of a commitment to mentoring a diverse student body, and a statement of research interests. Please submit these materials online at <http://jobsearch.mtholyoke.edu>. Be prepared to list email addresses for those submitting letters of recommendation. Three are required and at least one letter should address teaching experience. Review of applications will begin immediately and continue until the position is filled.

National University of Singapore

Department of Computer Science

Postdoc Research Fellow in Computer Security

The Computer Science Department at National University of Singapore (NUS) seeks 6 Post-doctoral research fellows with differing expertise for a project in software and system security, funded by the National Research Foundation (NRF), starting January 2015. These research fellows will be part of a new center on software security – <http://www.comp.nus.edu.sg/~tsunami/>

Several global research labs (NEC), commercial firms (Symnatec, ST) and Singapore-based government agencies (DSTA) have pledged support for translating research outcomes from the newly formed center to practice.

The investigator team consists of Abhik Roychoudhury (Lead PI), Zhenkai Liang, Jin Song Dong, Prateek Saxena, Roland Yap and Ee-chien Chang.

This 5 year multi-investigator research center aims to develop new mechanisms to detect, withstand and offer strong data protection against attacks on commodity systems composed from COTS components with rich interfaces to the cloud. Our goal is to take a multi-pronged approach to detecting and defeating attacks on the commodity COTS systems. The specific post-doc positions will cover the following topics and their intersection.

- Binary analysis: to investigate new techniques for binary analysis for scalable vulnerability detection and auto-patching software. This will involve analysis of program binaries.
- Binary hardening: Hardening existing COTS components to reduce unnecessary functionality through automatic transformations is an important goal of our center.

- Formal verification: Verification of component composition and protocols for communicating across components, is a focus of the center.
- Data protection: The center also aims to protect data outsourced to external cloud services against data theft, by developing new cryptographic techniques and trusted computing support in hardware.

JOB REQUIREMENTS:

- A PhD degree in a relevant area of Computer Science (Security, Software Engineering, Programming Languages)
- Good publication record;
- Experience/ interest in building prototype software tools.
- Specific expertise in one of the following areas is useful: software testing, program analysis, binary analysis, compilers, software model-checking, verification, trusted computing, applied cryptography and virtualization.

ABOUT NUS and the CENTER

NUS is a reputed world-class university that provides an outstanding, supportive research environment. Its School of Computing was recently ranked by QS as #1 in Asia and #9 in the world. Singapore is a vibrant, well-connected city with low taxes and a research hub centered in Asia.

For more details about the research center, please see <http://www.comp.nus.edu.sg/~tsunami/>

DOCUMENTS NEEDED FOR APPLICATION:

If interested, please send your application including a cover letter, CV and a brief statement of research, specifically your PhD research. The initial term of appointment will be 1-2 years extensible to 5 years, upon review of satisfactory performance. The selected candidates will be offered strongly competitive salaries and benefits, ample support to travel for dissemination of research results, and substantial freedom

Professional Opportunities



National University

Multiple Tenure-Track Faculty Positions

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

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

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

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

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

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

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

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

to build up a strong research profile of their own by leading sub-teams within the research team of the center.

TO APPLY:

Please email your materials to Ms. Cindy Loh – Administrative Assistant (cloh@comp.nus.edu.sg) with CC to Prof. Abhik Roychoudhury, Lead PI (abhik@comp.nus.edu.sg)

NEC Laboratories America

Researcher - Systems/Networking/Security

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 Autonomic Management group (<http://www.nec-labs.com/research-departments/autonomic-management/>) performs research on all aspects of large-scale complex systems. We have ongoing projects in distributed systems and cloud infrastructure, software-defined networking, computer security, and big data platform/analytics. Our group brings together experts in operating systems, networking, distributed systems, 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 have expertise in the design, implementation, and deployment of large scale distributed systems, networks and security platforms. He/she must hold a PhD in Computer Science or Engineering and have a strong publication or systems building record in at least one of the following areas:

- Data center and cloud computing
- Software-defined networking

Professional Opportunities

- Network analytics and management
- System and network security
- Big data management: graph analysis, database system, query optimization
- Intrusion detection, malware/vulnerability analysis, and attack forensics
- System monitoring, kernel instrumentation and application auditing
- Big Data processing platforms
- Real-time and fault-tolerant systems
- Anomaly detection, system measurement, monitoring and forecasting
- Performance, scalability, and reliability analysis

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, please access <http://www.nec-labs.com/>, and submit your CV and research statement through our career center at https://www.appone.com/MainInfoReq.asp?R_ID=957599.

EOE-M/F/Vets/Disabled

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 Autonomic Management group (<http://www.nec-labs.com/research-departments/autonomic-management/autonomic-management-home>) performs research on all aspects of data analytics and mining. We are creating innovative analytics from big data to simplify and automate the operation of complex physical systems

(e.g., automobiles, power plants, smart city etc.), as well as large-scale IT systems and services. We have several ongoing big data analytics projects including massive time series modeling, heterogeneous log analysis, and large scale graph mining etc. Our group brings together experts in machine learning, data mining, statistics, signal processing, pattern recognition 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
- Graph and information network mining
- 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/>, and submit your CV and research statement through our career center at https://www.appone.com/MainInfoReq.asp?R_ID=957638.

EOE-M/F/Vet/Disabled

New Jersey Institute of Technology

College of Computing Sciences and School of Management

Tenure-Track Faculty Positions in Big Data

The College of Computing Sciences and School of Management at New Jersey Institute of Technology invite outstanding applicants for a tenure-track Assistant/ Associate Professor position in Big Data starting with the Fall 2015 Semester. Successful candidates must have an earned Ph.D. degree in Computer Science, Management, Information Systems or a closely related field with a demonstrated record of outstanding teaching excellence and scholarly accomplishment with the clear potential to sustain an externally funded research program. Priority will be given to applicants with interdisciplinary research interests in Business IoT, integrating Big Data modeling techniques and analytics, such as crowdsourcing and machine learning, with applications in business intelligence and management systems, including healthcare, operations management and ERP systems.

All position applications must be posted at <http://njit.jobs> using Job Posting Number: 0602423. Include curriculum vitae, statement of teaching & research interests, and references. Please direct any questions to bigdatasearch@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

College of Computing Sciences - Department of Computer Science

Two positions for Assistant, Associate, or Full Professor in Cyber Security

NJIT invites applications for two tenured/tenure track positions beginning Fall 2015.

Professional Opportunities

The candidates should work on cyber security.

Specifically, the first position will focus on software security, with expertise in areas that include: software assurance/verification/validation/certification, static and dynamic software analysis, malware analysis, security and privacy of mobile systems and apps.

The second position will focus on network and systems security, with expertise in areas that include: networked systems and cloud computing security, security of critical infrastructure systems and emerging technologies such as IoT and wearable devices, application of machine learning techniques in network/system security.

Applicants must have a Ph.D. by summer 2015 in a relevant discipline, and should have an excellent academic record, exceptional potential for world-class research, and a commitment to both undergraduate and graduate education. The successful candidate will contribute to and enhance existing research and educational programs that relate to the cyber security as well as participate in our planned Cyber Security Center. Prior work experience or research collaboration with government/industry and a strong record of recent sponsored research represent a plus.

NJIT is committed to building a diverse faculty and strongly encourage applications from women candidates.

To Apply:

1. Go to njit.jobs, click on Search Postings and then enter the following posting numbers: 0602424 for the Secure Software position, and 0602426 for the Network and Systems Security Position.
2. Create your application, and upload your cover letter, CV, Research Statement, and Teaching Statement on that site. The CV must include at least three names along with contact information for references.

The applications will be evaluated as they are received and accepted until the positions are filled. Contact: cs-faculty-search@njit.edu.

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

New Mexico State University

Assistant Professor

New Mexico State University, Jornada Experimental Range. College Research Assistant Professor. Full time, Non-Tenure track. **Appointment is for two years.** Ph.D. in computing related field or 5+ years professional experience. Must be proficient in PostgreSQL with PostGIS database design, database application development, web scripting languages, web design, and user interface development. Position is located in Las Cruces, NM, but will include some travel, including a 1-year internship at Microsoft in Redmont, WA.

Application deadline has been extended to 1/15/15 and must be submitted online by that date.

For complete job description, qualifications and application process visit: <http://hr.nmsu.edu/jobs/>. Posting #1400219F.

New Mexico State University

College Research Assistant Professor

College Research Assistant Professor. Full time, Non-Tenure track. NMSU, Jornada Experimental Range. **Appointment is for two years.** Ph.D. in computing related field or 5+ years professional experience. Must be proficient in PostgreSQL with PostGIS database design, database application development, web scripting languages, web design, and user interface development.

Position is located in Las Cruces, NM, but will include some travel, including a 1-year

internship off-site. Application must be submitted online by: 11/21/2014.

For complete job description, qualifications and application process visit: <http://hr.nmsu.edu/jobs/>. Posting #1400219F.

New Mexico Institute of Mining and Technology

Tenure-Track Position

New Mexico Institute of Mining and Technology seeks applicants for a tenure-track position in its Computer Science and Engineering department. We intend to make an appointment at the Assistant Professor level; an Associate Professor appointment will be considered only for extremely qualified applicants.

For details, please visit: www.nmt.edu/images/stories/hr/AsstProfCompScience144-073.pdf

For questions or clarifications, please email secretary@cs.nmt.edu.

New York Institute of Technology (NYIT)

Multiple Positions

Associate Prof. - Electrical & Computer Engineering RA # 1727

New York Institute of Technology (NYIT) School of Engineering and Computing Sciences seeks an Associate Professor in Electrical and Computer Engineering (full-time, tenured/tenure-track; Old Westbury campus). Areas of research include Embedded and Control Systems for Biomedical or Transportation applications.

Candidates must have a Ph.D. degree in Electrical and Computer Engineering or a related area, excellent administrative and communication skills, and a solid publication record. Must help with domestic graduate recruitment and assume the role of Electrical and Computer Engineering Graduate Program

Professional Opportunities

co-Director. Commitment to teaching and research at the undergraduate and graduate levels is required. Candidates must demonstrate an innovative research record and/or industrial experience and exceptional leadership and mentoring skills, and potential for securing sponsored research, contracts and external grants. Successful candidates will share our vision to grow the School of Engineering and Computing Sciences into a leader in applied research and a premier source of student talent in the New York Metropolitan Area and globally. For consideration, e-mail your curriculum vitae, cover letter, and research and teaching statements to Jobs.SOECS@nyit.edu. Please reference job code RA #1727 in your subject line. NYIT is an AA/EEO institution.

Associate Prof. - Electrical & Computer Engineering RA # 1728

New York Institute of Technology (NYIT) School of Engineering and Computing Sciences seeks an Associate Professor in Electrical Engineering (full-time, tenured/tenure-track; Manhattan campus). Areas of research include Embedded Systems and Robotics.

Candidates must have a Ph.D. degree in Electrical and Computer Engineering or a related area, excellent administrative and communication skills, and a solid publication record. Must help with domestic graduate recruitment and assume the role of Electrical and Computer Engineering Graduate Program co-Director. Commitment to teaching and research at the undergraduate and graduate levels is required. Candidates must demonstrate an innovative research record and/or industrial experience and exceptional leadership and mentoring skills, and potential for securing sponsored research, contracts and external grants. Successful candidates will share our vision to grow the School of Engineering and Computing Sciences into a leader in applied research and a premier source of student talent in the New York Metropolitan Area and globally. For consideration, e-mail your curriculum vitae,

cover letter, and research and teaching statements to Jobs.SOECS@nyit.edu. Please reference job code RA # 1728 in your subject line. NYIT is an AA/EEO institution.

Associate Prof. of Computer Science RA # 1730

New York Institute of Technology (NYIT) School of Engineering and Computing Sciences seeks an Associate Professor in Computer Science, more specifically in Cybersecurity (full-time, tenured/tenure-track; Old Westbury Campus). Research areas of interest include cyber-physical systems/ embedded systems security, machine learning, data mining, and usable/mobile/ cloud/big data security and privacy.

Candidates must have a Ph.D. degree in Computer Science, or related area, excellent administrative and communication skills, and a solid publication record. Must help with domestic graduate recruitment and assume the role of Computer Science Graduate Program co-Director. Commitment to teaching and research at the undergraduate and graduate levels is required. Candidates must demonstrate an innovative research record and/or industrial experience and exceptional leadership and mentoring skills, and potential for securing sponsored research, contracts and external grants. Successful candidates will share our vision to grow the School of Engineering and Computing Sciences into a leader in applied research and a premier source of student talent in the New York Metropolitan Area and globally. For consideration, e-mail your curriculum vitae, cover letter, a representative publication, and research and teaching statements to Jobs.SOECS@nyit.edu. Please reference job code RA # 1730 in your subject line. NYIT is an AA/ EEO institution.

Associate Prof. of Computer Science RA #1731

New York Institute of Technology (NYIT) School of Engineering and Computing Sciences seeks an Associate Professor in Computer Science, more specifically in

Cybersecurity (full-time, tenured/tenure-track; Manhattan campus). Research areas of interest include cyber-physical systems/ embedded systems security, machine learning, data mining, and usable/mobile/ cloud/big data security and privacy.

Candidates must have a Ph.D. degree in Computer Science, or a related area, excellent administrative and communication skills, and a solid publication record. Must help with domestic graduate recruitment and assume the role of Computer Science Graduate Program co-Director. Commitment to teaching and research at the undergraduate and graduate levels is required. Candidates must demonstrate an innovative research record and/or industrial experience and exceptional leadership and mentoring skills, and potential for securing sponsored research, contracts and external grants. Successful candidates will share our vision to grow the School of Engineering and Computing Sciences into a leader in applied research and a premier source of student talent in the New York Metropolitan Area and globally. For consideration, e-mail your curriculum vitae, cover letter, a representative publication, and research and teaching statements to Jobs.SOECS@nyit.edu. Please reference job code RA # 1731 in your subject line. NYIT is an AA/ EEO institution.

New York University

*Courant Institute of
Mathematical Sciences
Faculty*

The Courant Institute of Mathematical Sciences at New York University invites applications for tenured or tenure-track faculty in the Department of Computer Science and in the Department of Mathematics. Two appointments at the Assistant Professor level will be considered for positions beginning in September 2015. We will also consider outstanding candidates at the senior level.

Professional Opportunities

Candidates will be affiliated with the newly formed Center for Data Science, a multidisciplinary initiative hosted at the Courant Institute which brings together faculty, scientists, and students engaged in research on the automatic extraction of knowledge from data. The CDS started offering graduate degrees in Data Science in September 2013.

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

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

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

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

The Computer Science Department has 35 regular faculty members and several clinical, research, adjunct, and visiting faculty members. The department's current research interests include algorithms, cryptography and theory; computational biology; distributed computing and networking; graphics, vision and multimedia; machine learning; natural language processing; scientific computing; and verification and programming languages.

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

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

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

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

To guarantee full consideration, applications should be submitted no later than January 15, 2015; however, this is not a hard deadline, as all candidates will be considered to the full extent feasible, until all positions are filled. New York University is an equal opportunity/affirmative action employer.

NYU Polytechnic

Industry Professor Position

The Computer Science and Engineering Department of the NYU Polytechnic School of Engineering invites applications for an Industry Faculty position, at either the assistant, associate, or full professor levels, depending on experience. An Industry Professor's primary role is teaching, although the position may also entail some administrative work and community building. The successful candidate will teach both at the undergraduate and master's levels.

Industry Professors are multi-year non-tenured positions.

NYU Polytechnic School of Engineering, formerly Brooklyn Polytechnic, is now part of New York University. The Computer Science and Engineering Department has 23 faculty members, including both tenure-track faculty and industrial professors. It has a very active PhD and research program, with about \$4 million in research expenditures each year. The Department has approximately 600 master students and approximately 300 undergraduate students. The Department's research strengths include cyber security, big data and visualization, game engineering, and computer science theory.

The position requires at least an MS in computer science or strongly related areas, with Ph.D. preferred, with several years of teaching experience in a US university. Outstanding teaching skills are desired, with expertise in operating systems, distributed systems, and/or computer security. Industry experience is desirable. Preference will be given to candidates who can teach systems-focused courses. Salary is competitive and commensurate with experience and expertise.

Applications received by January 17, 2015 will receive full consideration. NYU is an affirmative action, equal opportunity employer.

Applications can be submitted at:
www.nyuopsearch.com/applicants/Central?quickFind=52338

EEO M/F/H/V

New York University is an Equal Opportunity Employer. NYU 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, unemployment status or any other legally protected basis, and to the extent permitted

Professional Opportunities

by law. Qualified candidates of diverse ethnic and racial backgrounds are encouraged to apply for vacant positions at all levels.

New York University

Tenure Track/Tenured Faculty Positions

New York University, one of the largest and most highly regarded private universities, is seeking to add several tenured/tenure-track faculty members to its Computer Science and Engineering (CSE) Department as part of a major multi-year growth phase. The faculty and students of the School are at the forefront of the high-tech start-up culture in New York City and have access to world-class research centers in cyber security (crissp.poly.edu) and wireless communications (nyuwireless.com), among other areas. We enjoy close collaborations with the Courant Institute, the NYU Media and Games Network (MAGNET), the Center for Urban Science and Progress, the School of Medicine, and other Schools of NYU.

The CSE Department invites outstanding applications for tenure-track or tenured faculty appointments in all areas of computer science and engineering, with particular emphasis on cyber security. Candidates must have a PhD degree in computer science or a related discipline and must have the ability to develop and lead high-quality research and attract external funding.

Applications received by January 17, 2015 will receive full consideration. NYU is an affirmative action, equal opportunity employer.

Applications can be submitted at:
www.nyuopsearch.com/applicants/Central?quickFind=52339

EEO M/F/H/V

New York University is an Equal Opportunity Employer. NYU 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, unemployment status 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.

NYU Abu Dhabi

Computer Science Faculty Positions

The department expects to have several tenure/tenure track faculty positions beginning in September 2015 and invites candidates across all areas of computer science. Applicants are expected to be outstanding scholars with excellent track records in their field and participate in teaching at all levels from undergraduate to doctoral. New appointees will be offered competitive salaries and startup packages, with affordable housing on campus. New York University Abu Dhabi is located on Saadiyat Island, the cultural centerpiece of Abu Dhabi.

We are specifically looking for candidates in one of the following areas:

1. **Human Computer** Interaction. We are prioritizing candidates with research experience in the design, building and testing of interactive systems, such as physical computational artifacts, mobile applications, online environments, or other kinds of devices or software.
2. **Systems.** We are looking for researchers with a strong experience building and deploying large-scale systems in the real world and who specialize in any of the following sub-areas of operating systems, networking, and distributed systems.
3. **Cyber security.** We are looking for researchers with a strong experience building and deploying large-scale security solutions in the real world with a focus

on systems security, network security, privacy, cryptography, and formal methods.

4. **Computer Graphics.** We are seeking researchers who successfully build and demonstrate computer graphics technology with humans in the loop, and seamlessly merge CG and HCI techniques. Candidates are encouraged to submit links to videos and other online resources that showcase their prior work.

Successful candidates will find a congenial research environment that includes supportive and highly motivated colleagues and broad opportunities for interdisciplinary research across the different campuses of the NYU system.

The terms of employment are highly competitive, and include housing and educational subsidies for children. Faculty may also spend time at NYU New York and other sites of the global network, engaging in both research and teaching opportunities. Appointments can begin as soon as September 1, 2015, but candidates may elect to start as late as September 1, 2016.

*Review of applications will begin **January 15, 2015.*** Candidates should submit a cover letter, curriculum vitae, statements of teaching and research interests (not to exceed three pages each), no more than three representative publications and three letters of reference in PDF format to be considered. Please visit our website at <http://nyuad.nyu.edu/en/about/careers/faculty-positions.html> for instructions and other information on how to apply. If you have any questions, please e-mail nyuad.science@nyu.edu.

About NYUAD:

New York University has established itself as a Global Network University, a multi-site, organically connected network encompassing key global cities and idea capitals. The network has three foundational degree-granting campuses: New York, Abu

Professional Opportunities

Dhabi, and Shanghai, complemented by a network of eleven research and study-away sites across five continents. Faculty and students circulate within this global network in pursuit of common research interests and the promotion of cross-cultural and interdisciplinary solutions for problems both local and global.

Entering its fifth year, NYU Abu Dhabi has recruited a cohort of faculty who are distinguished in their research and teaching. Its students are drawn from around the world and surpass all traditional recruitment benchmarks, both US and global. NYU Abu Dhabi's highly selective liberal arts enterprise is complemented by an institute for advanced research, sponsoring cutting-edge projects across the Arts, Humanities, Social Sciences, Sciences, and Engineering.

EOE/Minorities/Females/Vet/Disabled

NYU Shanghai

*Electrical Engineering: Robotics and
Multimedia Data Analysis*

Faculty Position

NYU Shanghai invites outstanding applications for tenure-track or tenured faculty appointments in electrical and computer engineering (ECE) with special emphases in multimedia data analysis and robotic systems. Exceptionally strong candidates in other areas in ECE will also be considered. The applicants must have demonstrated abilities in both research and teaching. In describing teaching experience, candidates should identify courses they could teach both within and outside their specialty. Candidates must have completed a Ph.D. or equivalent by the time of appointment.

The terms of employment in NYU Shanghai are comparable to U.S. institutions in terms of research start-up funds and compensation, and include housing subsidies and educational subsidies for children. Faculty

may also spend time at NYU New York and other sites of the NYU global network, engaging in both research and teaching.

Applications are due no later than **January 15, 2015** and will be reviewed until the position is filled. To be considered, candidates should submit a curriculum vitae, separate statements of research and teaching interests (no more than three pages each), and electronic copies of up to five recent, relevant publications.

To complete the online process, applicants will be prompted to enter the names and email addresses of at least three referees. Each referee will be contacted to upload their reference letter. Senior candidates are not required to submit references at this time. Please visit our website at <http://shanghai.nyu.edu/about/work/faculty-positions> for instructions and other information on how to apply. If you have any questions, please e-mail shanghai.faculty.recruitment@nyu.edu.

About NYU Shanghai:

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

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

common research interests and cross-cultural, interdisciplinary endeavors, both local and global.

EOE/Minorities/Females/Vet/Disabled

North Carolina State University

Department of Computer Science

Security Faculty Positions

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

Successful security candidates must have a strong commitment to academic and research excellence, and an outstanding research record commensurate with the expectations of a major research university. Required credentials include a doctorate in Computer Science or a related field. While the department expects to hire at the Assistant Professor level, candidates with exceptional research records are encouraged to apply for a senior position. The department is one of the largest and oldest in the country. It is part of a top US College of Engineering, and has excellent and extensive ties with industry and government laboratories. The department's research expenditures and recognition have been growing steadily as has the recognition of our impact in the areas of security, systems, software engineering, educational informatics, networking, and games. For example, we have one of the largest concentrations of NSF Early Career Award winners (24 of our current or former faculty have received one).

NCSU is located in Raleigh, the capital of North Carolina, which forms one vertex of the world-famous Research Triangle Park (RTP). RTP is an innovative environment, both as a metropolitan area with one of the most diverse industrial bases in the world, and as a center of excellence promoting technology and science. The Research

Professional Opportunities

Triangle area is routinely recognized in nationwide surveys as one of the best places to live in the U.S. We enjoy outstanding public schools, affordable housing, and great weather, all in the proximity to the mountains and the seashore.

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

www.csc.ncsu.edu/. Inquiries may be sent via email to: security-search@csc.ncsu.edu.

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.

Oakland University

*Computer Science and Engineering
Department*

Tenure-track Assistant Professor Position

The Department of Computer Science and Engineering has an immediate need to fill one tenure-track position in computer science and information technology by August 15, 2015. We are seeking candidates at the

assistant professor level. Applicants must have completed a Ph.D. in Computer Science, Information Technology, or a closely related field by the appointment date. Candidates must show exceptional promise in both research and teaching. Desired areas of interest include cyber physical systems, web technologies and services, algorithms, social networks, cloud computing, virtual reality, natural language processing, and computer games. Only applicants whose research and teaching interests fall under these or very closely related areas will be considered.

Applications should be submitted by December 31, 2014 for full consideration. Applicants should upload a letter of intent, a statement of research, a statement of teaching, resume, and information of three references at URL <http://academicjobs.oakland.edu/postings/3225>. The teaching statement should include a list of undergraduate and graduate courses that the applicant will be willing to teach as well as outlines of two courses that the applicant would like to introduce. Information about the current undergraduate and graduate courses offered by the department can be accessed from http://catalog.oakland.edu/preview_entity.php?catoid=17&ent_oid=502&returnto=1149 and <http://catalog.oakland.edu/content.php?catoid=18&navoid=1294>, respectively.

The department of Computer Science and Engineering is currently offering B.Sc. Degrees in Computer Science and in Information Technology, M.Sc. degrees in Computer Science and in Software Engineering and Information Technology, and a Ph.D. in Computer Science and Informatics.

For information about the department and Oakland University, please visit the respective homepages at <http://www.cse.secs.oakland.edu> and <http://www.oakland.edu/>.

Oakland University is an ADVANCE institution, one of a limited number of universities in receipt of NSF funds in support of our



THE OHIO STATE UNIVERSITY

COLLEGE OF ENGINEERING

The Computer Science and Engineering Department at the Ohio State University expects to fill multiple tenure-track positions and seeks applicants in all areas of computer science.

Particular emphasis will be placed on filling two open rank positions in conjunction with a broad university-wide research initiative on Data Analytics (<https://discovery.osu.edu/focus-areas/data-analytics/collaborative.html>), and a recently announced undergraduate program in Data Analytics (<https://data-analytics.osu.edu>). Areas of interest for these positions include (but are not limited to): data mining, big data management, cloud computing systems, data analytics; application of machine learning or data mining or data visualization to problems in network science (including social networks), health, and climate science.

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

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

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

Review of applications will begin in November 2014 and will continue until the positions are filled.

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

Professional Opportunities

commitment to increase diversity and the participation and advancement of women and underrepresented minorities in the STEM fields. Oakland University is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minorities.

Oberlin College

Department of Computer Science

Tenure-Track Assistant Professor in Machine Learning

The Department of Computer Science at Oberlin College invites applications for a full-time, tenure-track faculty position starting in the Fall of 2015 with a specialization in Machine Learning or a related area.

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

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

Oregon State University

School of Electrical Engineering and Computer Science

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

The School of Electrical Engineering and Computer Science at Oregon State University invites applications for two full time nine-month tenure-track faculty positions at the Assistant Professor level in Computer Science. (Appointments may also be made at the Associate or Full Professor level, see the OSU website for details). We seek candidates with demonstrated research strengths in the areas of computer vision, databases and data management. A Ph.D. in Computer Science or related field is required by the start of employment. Candidates should have a strong commitment to high quality teaching and development of a vibrant research program. Applicants should demonstrate

enthusiasm for collaborating with other research groups in the School of EECS, with other departments at Oregon State University, and with other universities. Duties include teaching undergraduate and graduate courses, conducting research in the area of interest, and securing funding.

The School of EECS is housed in the Kelley Engineering Center, a green building designed to support collaboration among faculty and students across campus. The School emphasizes a culture of collegiality and excellence in both education and research. With 52 tenure/tenure-track faculty, we enroll 200 PhD, 195 MS and 2,200 undergraduate students. Oregon State

Assistant/Associate Professor

The College of Information Sciences and Technology (IST) at the Pennsylvania State University invites applications for a faculty position in information security and privacy. We seek exceptional candidates with a high quality research and publication record to strengthen and complement our current research strengths in systems and software security, usability considerations in privacy and security, economics of information security, and privacy. We welcome applications from scholars at all ranks and with a variety of disciplinary backgrounds including computer and information sciences, decision sciences, and economics. Successful candidates will be expected to develop an internationally competitive, externally funded research program, contribute to graduate and undergraduate education and training. The Pennsylvania State University is the land grant institution of Pennsylvania. The College of IST offers a highly collaborative interdisciplinary research environment, strong research programs (the cyber-security program is currently funded by over \$4 million of prestigious external grants), a strong PhD program, and a very successful undergraduate program.

To apply, please visit <http://apptrkr.com/536800>. Review of applications will begin on Nov. 15, 2014, and continue until the position is filled. Enquiries about the position may be directed to recruit@ist.psu.edu.

Employment will require successful completion of background check(s) in accordance with University policies.

CAMPUS SECURITY CRIME STATISTICS: For more about safety at Penn State, and to review the Annual Security Report which contains information about crime statistics and other safety and security matters, please go to <http://www.police.psu.edu/clery/>, which will also provide you with detail on how to request a hard copy of the Annual Security Report.

Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to minorities, women, veterans, disabled individuals, and other protected groups.

Professional Opportunities

University is located in Corvallis, a college town renowned for its high quality of life.

OSU is an AA/EOE/Vets/Disabled.

For more information, including full position announcement and instructions for application, visit: <http://jobs.oregonstate.edu/applicants/Central?quickFind=64999>

Pacific University

Visiting Faculty

Pacific University invites applications for a visiting position in Computer Science for the 2015-16 academic year with possibility for renewal for 2016-17.

Details on the position and application procedures can be found at <http://tinyurl.com/PacCSPos>.

Pomona College

Computer Science Department

Tenure-Track Assistant Professor

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

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

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

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

Please submit the following application materials online (<https://academicjobsonline.org/ajol/jobs/4611>): cv; graduate transcripts;

3 or more letters of recommendation, at least one evaluating teaching; and three brief statements – one addressing teaching philosophy, one addressing scholarship and one addressing demonstrated ability to mentor a diverse student body.

Review of applications will begin on December 31, 2014.

Further information at <http://www.cs.pomona.edu/search2015.html> or search@cs.pomona.edu.

Purdue University

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

The College of Technology at Purdue University invites nominations and applications for the position of Department Head for Computer and Information Technology (CIT). The successful candidate should have an outstanding record of scholarly achievement and a demonstrated commitment to excellence

Purdue University – West Lafayette

Department of Computer and Information Technology
Assistant or Associate Professor level

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

Application Instructions

Applications should include a cover letter, complete resume with the names and addresses of three references, research statement, a teaching statement, and optionally copies of the most relevant publications.

The application should be submitted to:

<http://purdue.taleo.net/careersection/wlfac/joblist.ftl>. Screening of applications will begin December 1, 2014 and will continue until the position is filled. A background check is required for employment in this position.

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



Professional Opportunities

in research, teaching, and engagement. He/she should also have strategic leadership, communication, budgetary, and administrative abilities coupled with an appreciation for the diverse interests and missions of the department. Experience in strategic and transformative leadership with a proven record of scholarship, external funding, research, teaching, and education is highly desired. Candidates must hold a Ph.D. degree in a related discipline and have the credentials appropriate for appointment at the rank of full professor with tenure at Purdue University.

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

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

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

Purdue University

Department of Computer Science

Tenure-Track/Tenured Faculty Positions

The Department of Computer Science at Purdue University is entering a phase of significant growth, as part of a university-wide Purdue Moves initiative. Applications are solicited for tenure-track and tenured positions at the Assistant, Associate and Full Professor levels. Outstanding candidates in all areas of computer science will be considered. Review of applications and candidate interviews will begin early in October 2014, and will continue until the positions are filled.

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

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

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

Faculty Search Chair
Department of Computer Science
305 N. University Street
Purdue University
West Lafayette, IN 47907

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



Assistant/Associate/Full Research Professor in Bioinformatics

Qatar University invites applications for research faculty positions at the level of associate or full professor to begin on September 2015.

Candidates will cultivate and lead large-scale research projects at the KINDI Center for Computing Research in the areas bioinformatics or health informatics.

Qatar University offers competitive benefits package including a 3-year renewable contract, tax free salary, free furnished accommodation, and more.

Apply by posting your application on the QU online recruitment system at <http://careers.qu.edu.qa> under "College of Engineering".



Professional Opportunities

Purdue University

Department of Computer Science

*Visiting Assistant, Associate and
Professor Positions*

The Department of Computer Science at Purdue University is soliciting applications for visiting positions at the Assistant, Associate and Full Professor level. Visiting appointments are expected to be for a 2-year period with an expected teaching load of 3 courses per year. Candidates in all areas of computer science will be considered. Applicants should hold a PhD in Computer Science, or related discipline, have prior teaching experience, have a commitment to excellence in teaching and be able to teach a wide range of undergraduates and graduate courses. A demonstrated research record in an area represented in the department is expected. Review of applications and candidate interviews will begin early in December 2014, and will continue until the positions are filled.

The Department of Computer Science offers a stimulating and nurturing academic and educational environment with thriving undergraduates and graduate programs and active research programs in most areas of computer science. Information about the department and a description of open positions are available at <http://www.cs.purdue.edu>. Salary and benefits are competitive.

Applicants are strongly encouraged to apply online at <https://hiring.science.purdue.edu>. Alternatively, hardcopy applications can be sent to: Faculty Search Chair, Department of Computer Science, 305 N. University Street, Purdue University, West Lafayette, IN 47907.

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



Associate/Full Research Professor in Cyber Security

Qatar University invites applications for research faculty positions at all levels with an anticipated starting date before September 2015.

Candidates will cultivate and lead research projects at the KINDI Center for Computing Research in the area of Cyber Security.

Qatar University offers competitive benefits package including a 3-year renewable contract, tax free salary, free furnished accommodation, and more.

Apply by posting your application on the QU online recruitment system at <http://careers.qu.edu.qa> under "College of Engineering".

Purdue University

Faculty Openings in "Big Data"

Purdue University has identified Big Data as a major thrust for inter-disciplinary research and education. The departments of Computer Science, and Electrical and Computer Engineering will consider outstanding candidates with an interest in all data-related areas of physics with equal priority given to all areas.

Several faculty positions are available in enabling technologies as well as in domain

sciences that deal with the use and management of digital data. The new hires will join a strong faculty group engaged in this thrust area and will have a unique opportunity to help shape Purdue's vision and research/education agenda in Big Data. Candidates for tenure and tenure-track positions at the Assistant/Associate professor level will be considered. Strong interest in inter-disciplinary activities is required. Outstanding candidates with an interest in all data-related areas of computer science and engineering, physics will be

Professional Opportunities

considered. Examples of specific fields of interest are data infrastructure (storage and networking), system software infrastructure (OS, programming models), scalable analytics (data mining and machine learning at scale), analytics presentation (information visualization) and data-enabled methods (data curation and preservation) and applications in domain sciences. A detailed description of open positions is available at <http://www.purdue.edu/bigdata/hiring>.

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

Salary and benefits are highly competitive, and Purdue is a dual career friendly employer. Submit applications online at <http://www.purdue.edu/bigdata/hiring>. The application should include a cover letter, a complete and detailed vitae, and statements of research and teaching interests. Also, please include names, addresses, telephone numbers, and email addresses for three or more references. Hard copy applications can be sent to: Faculty Search Chair, Big Data Search Committee, 305 N. University Street, Purdue University, West Lafayette, IN 47907. For questions regarding the application process, please contact Nicole Piegza (piegza@purdue.edu). Applications for positions to begin in Fall 2015 are being considered as of October 9, 2014; the review will continue until the positions are filled.

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

Queens College

Assistant, Associate, or Full Professor - Data Science

Queens College seeks an established or emerging researcher in the area of data science with significant research experience in applying and developing data science.

Consult <http://www.qc.cuny.edu/HR/Pages/JobListings.aspx> for further information.

Rochester Institute of Technology MULTIPLE OPENINGS FOR FALL 2015

COMPUTING & INFORMATION SCIENCES

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



- Chair of **Software Engineering** department (#1376BR). The successful candidate will be ready to assume leadership and administrative responsibilities in leading a growing department and will have demonstrated research excellence in software engineering, a track record of external funding, and a strong commitment to undergraduate and graduate education. Current research areas in the department include empirical software engineering, software engineering pedagogy, and software engineering process.
- Tenure-track assistant professor positions (#1377BR) in the **Computer Science** department with discipline expertise in one of the following areas: (1) pervasive computing, including cyber-physical and robotic systems, (2) theoretical aspects of network, data, or social sciences, (3) computer graphics, specifically applied perception in graphics, virtual worlds, or visualization. The second position (#1378) is seeking expertise in the area of data science with emphasis on data analytics, machine learning, or data-intensive computing.
- Lecturer position in the **Computer Science** department teaching introductory computer science and at least one other area within the computer science core curriculum (#1375BR)
- Tenure-track assistant/associate professor position in the **School of Interactive Games and Media** with discipline expertise in interactive media (#1444BR)
- Visiting Lecturer in the **Computing Security** department teaching a broad range of courses in systems and network security, forensics, malware, reverse engineering, or related areas (#1332BR)
- Post-Doctoral position in **Computing Security** with discipline expertise in user studies, usable security, biometrics based authentication, or related areas (#1395BR)

Candidates should visit <http://apptrkr.com/536668> and refer to the BR number listed above for specific information about the positions and the application process. Refer to www.rit.edu for information about RIT and the B. Thomas Golisano College of Computing and Information Sciences.

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

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

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

Professional Opportunities

Rutgers University, The State University of New Jersey / School of Engineering

Department of Electrical and Computer Engineering

Assistant Professor – Tenure Track

The Department of Electrical and Computer Engineering at Rutgers University anticipates multiple faculty openings in the following areas: (i) High-performance distributed computing, including cloud computing and data-intensive computing, (ii) Electronics, advanced sensors and renewable energy, including solar cells and detectors (bio, optical, RF) and, (iii) Bioelectrical engineering.

We are interested in candidates who can combine expertise in these areas with cyber-security, software engineering, devices, embedded systems, signal processing and or communications. In addition, we particularly welcome candidates who can contribute to broader application initiatives such as biomedical and health sciences, smart cities, or sustainable energy.

Outstanding applicants in all areas and at all ranks are encouraged to apply. Suitable candidates may be eligible to be considered for Henry Rutgers University Professorships in Big Data as part of a University Initiative. More details can be found at:

<http://universitystrategy.rutgers.edu/implementation/henry-rutgers-university-professorships-and-term-chairs>

Excellent facilities are available for collaborative research opportunities with various university centers such as Wireless Information Network Laboratory (WINLAB), Microelectronics Research Laboratory (MERL), Institute for Advanced Materials, Devices and Nanotechnology (IAMDN), Center for Advanced Infrastructure and Transportation (CAIT), Rutgers Energy Institute (REI), and the Center for Integrative Proteomics Research, as well as with local industry.

A Ph.D. in a related field is required. Responsibilities include teaching undergraduate and graduate courses and establishing independent research programs. Qualified candidates should submit a CV, statements on teaching and research, and contacts of three references to the URL: <http://faculty2.engr.rutgers.edu>. The review

process will start immediately. For full consideration applications must be received by January 15, 2015.

Questions may be directed to: Athina P. Petropulu, Professor and Chair, Department of Electrical and Computer Engineering, Rutgers University, athinap@rutgers.edu.

Rochester Institute of Technology

SOFTWARE ENGINEERING DEPARTMENT CHAIR

B. Thomas Golisano College of Computing and Information Sciences

RIT's Department of Software Engineering invites applications for the position of Department Chair to begin August 2015.

In the fall of 1996, RIT launched the first undergraduate software engineering program in the United States. The SE Department was formally established in 2001. Our SE degree programs prepare graduates for professional software development positions, and universities around the world have used our undergraduate curriculum as a model when developing their programs. The department engages in a wide range of research activities in areas including: Empirical Software Engineering, Software Engineering Pedagogy, and Software Engineering Process. Through research and teaching, the department advances the discipline and meets the rapidly growing need for software engineers.



The successful candidate will be ready to assume leadership and administrative responsibilities. A key responsibility is to lead the department in further expanding its research profile. Applicants are required to have a Ph.D. or equivalent in a related field and experience commensurate with that of a full professor. Applicants must have demonstrated research excellence in any area of software engineering, a track record of external funding, and a strong commitment to undergraduate and graduate education.

The SE Department includes thirteen full time faculty and four staff. The department has 450 undergraduate and 50 graduate students enrolled in its programs. SE faculty advise doctoral students in the college's Ph.D. Program in Computing and Information Sciences. The department is housed in the B. Thomas Golisano College of Computing and Information Sciences, which has an enrollment of over 3400 students. In addition to the SE Department and PhD program, the college is home to the departments of Computer Science, Computing Security, Information Sciences and Technologies, and the School of Interactive Games and Media.

Candidates should visit <http://apptkr.com/537118> and search BR 1376 for specific information about the position and the application process. Refer to www.rit.edu/gccis for information about RIT and the B. Thomas Golisano College of Computing and Information Sciences.

RIT is an equal opportunity employer that promotes and values diversity, pluralism, and inclusion. For more information or inquiries, please visit RIT/TitleIX or the U.S. Department of Education at ED.Gov

Professional Opportunities

Rutgers University

Faculty Position

The Computer Science Department at Rutgers University invites applications for a Tenure-Track Assistant Professor Position in Data Science. The appointment will start in September 2015. Applicants should submit their CV, a research and a teaching statement along with three references through <http://apply.interfolio.com/27407> by Monday, February 16, 2015.

We are particularly interested in applicants whose research expertise focuses on novel methods to address the massive amounts of data generated from a multitude of sources and sensors, spanning the areas of machine learning, data mining, computational statistics, information retrieval and extraction, and scalable algorithms. Application domains may include neuroscience, medical informatics, distributed decision-making, cognitive science, linguistics, visual analytics, complex networks, smart cities, environmental monitoring, and social sciences.

Applicants should exhibit exceptional research promise with potential for external funding, and commitment to quality advising and teaching. Hired candidates must complete the Ph.D. in CS or a closely related field by December 31, 2015 the latest.

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

Additional information can be found at: http://www.cs.rutgers.edu/employment/2015_Tenure_Track.whml

Rutgers University

Tenure Track Faculty Position

The Computer Science Department at Rutgers University invites applications for a Tenure-Track Assistant Professor Position in **Intelligent Interactive Systems**. The appointment will start in September 2015.

The emphasis for the position is on machine intelligence, learning, and autonomy. This includes collaborative robots, learning from experience, acquisition and use of contextual knowledge, assistive and rehabilitation technologies, recognition of object properties and human intent, dexterous manipulation, autonomous mobility, distributed multi-robot systems, wearable devices. Experience in designing or working with hardware platforms for studying autonomy will be considered positively.

Applicants should exhibit exceptional research promise with potential for external funding, and commitment to quality advising and teaching. Hired candidates must complete the Ph.D. in CS or a closely related field by December 31, 2015 the latest.

Applicants should submit their CV, a research and a teaching statement along with three references by Monday, February 16, 2015 through <http://apply.interfolio.com/27672>

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

Additional information can be found at: <http://www.cs.rutgers.edu/employment/>

Rutgers University

Two Separate One Year Renewable Non-Tenure Track Faculty Positions

The Department of Computer Science at Rutgers University invites applications

for two separate 1 year non-tenure-track renewable positions, one at the rank of Assistant Professor and one at the rank of Associate Professor.

The Assistant Professor appointment can start either Spring or Fall 2015, and will continue through the end of the 2015-16 academic year. Main responsibilities include developing, updating, teaching, and managing freshman and sophomore classes. Please see <http://apply.interfolio.com/25283> for more details.

The Associate Professor appointment will start Fall 2015. Main responsibilities including administering the M.S. program, developing, updating, teaching, and managing M.S. introductory and undergraduate classes. Please see <http://apply.interfolio.com/27525> for more details.

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

Rutgers is an affirmative action/equal opportunity employer.

Saint Louis University

Department of Mathematics and Computer Science

Assistant Professor (Tenure-Track)

Saint Louis University, a Catholic, Jesuit institution dedicated to student learning, research, health care, and service, invites applications for a tenure-track faculty position at the level of Assistant Professor of Computer Science in the Department of Mathematics and Computer Science. The area of emphasis is bioinformatics, computational biology, or related field. The position will support a new interdisciplinary Master's program in Bioinformatics and Computational Biology and will begin August 2015.

Professional Opportunities

Applications received by January 15, 2015 are assured full consideration.

Ph.D. in computer science or related field is required. The department seeks candidates with outstanding potential in both research and teaching, who will contribute to the overall strength of the department and the Bioinformatics and Computational Biology program. Duties include maintaining an active research program, teaching both undergraduate and graduate courses, and supervision of graduate students. The

department currently consists of 30 faculty members whose research areas include pure and applied mathematics, computer science, and statistics. This position includes a competitive salary and start-up package. A secondary appointment in the Departments of Biology and/or Chemistry will be considered for candidates with appropriate qualifications.

Application materials must be submitted at <http://bioinformatics.slu.edu/facultysearch>, including: CV, research statement, teaching

statement, and at least three letters of recommendation. Once final budgetary approval has been obtained for the position, formal applications with cover letter and CV must be made online at <http://jobs.slu.edu> (Requisition #TBD). Inquiries can be made to bioinformatics@slu.edu.

Saint Louis University is an Affirmative Action, Equal Opportunity

Employer (AA/EOE) and encourages nominations of and applications from women and minorities.

SJSU SAN JOSÉ STATE UNIVERSITY

ANNOUNCEMENT OF POSITION AVAILABILITY
Subject to Budgetary Approval

Endowed Professorship in Computer and Software Engineering

Job Opening ID (JOID): 23095

The Computer Engineering Department at San José State University invites applications and nominations for an endowed professorship in computer and software engineering. Areas of particular interest include cloud computing and virtualization, big data analytics, embedded and mobile systems, social computing and networking, parallel and distributed systems, and secure systems, but other areas in computer and software engineering will also be considered. The Computer Engineering program at San José State is ranked number one in the nation among public institutions in its category by US News. Ideally situated at the center of Silicon Valley, the program enjoys close and multi-leveled industry ties and offers ample opportunities for industry collaboration and applied research. We are seeking to fill the endowed professorship with a thought leader in his/her own area of expertise with established national and international reputation.

Rank: Open Rank (Associate or Full Professor)

Qualifications:

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

Responsibilities:

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

Salary Range: Commensurate with qualifications and experience.

Starting Date: August 18, 2015

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

Application Procedures: For full consideration, please upload a letter of application, curriculum vitae, statement of teaching interests/philosophy, research plans and at least three original letters of reference with contact information by **February 16, 2015** at <http://apptkr.com/536421>. All documents should be in pdf format with Job Opening ID and pertinent signatures.

Screening of candidates will begin **February 16, 2015**. The positions remain open until filled.

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

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

San José State University is an Equal Opportunity/Affirmative Action Employer committed to nondiscrimination on the bases of race, color, religion, national origin, sex, sexual orientation, gender status, marital status, pregnancy, age, disability, or covered veteran status consistent with applicable federal and state laws. This policy applies to all San José State University students, faculty, and staff as well as University programs and activities. Reasonable accommodations are made for applicants with disabilities who self-disclose. Note that all San José State University employees are considered mandated reporters under the California Child Abuse and Neglect Reporting Act and are required to comply with the requirements set forth in CSU Executive Order 1083 as a condition of employment.

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

San José State University is an Affirmative Action/Equal Opportunity Employer.

Professional Opportunities

The Salk Institute for Biological Studies

Postdoctoral Researcher in Dr. Navlakha's Lab (Center for Integrative Biology)

We are looking for highly motivated computational scientists interested in:

- Molecular and cellular network analysis (robustness, evolution, development, etc.);
- Algorithms in nature (information processing and computation in biological systems); and
- Bioimage informatics.

We develop combinatorial (graph-based) or machine learning algorithms to address important biological questions.

Working at The Salk Institute provides a unique opportunity to integrate theory and experiment to bear on deep and complex scientific questions. Overlooking the Pacific Ocean, Salk offers a warm, collegial and collaborative work environment, with UCSD also nearby.

Requirements: PhD in computer science, strong algorithmic and programming skills, publications in top conferences or journals, and experience in computational systems biology.

Instructions: Email CV to navlakha@salk.edu.

SJSU SAN JOSÉ STATE UNIVERSITY

ANNOUNCEMENT OF POSITION AVAILABILITY
Subject to Budgetary Approval

Tenure-Track Assistant Professors in Computer and Software Engineering

Job Opening ID (JOID): 23093

The Computer Engineering Department at San José State University invites applications for tenure-track faculty positions at the rank of Assistant Professor. Areas of particular interest include cloud computing and virtualization, big data analytics, embedded and mobile systems, social computing and networking, parallel and distributed systems, and secure systems, but other areas in computer and software engineering will also be considered. The Computer Engineering program at (SJSU) is ranked number one in the nation among public institutions in its category by US News. Ideally situated at the center of Silicon Valley, the program enjoys close and multi-leveled industry ties and offers ample opportunities for industry and applied research.

Rank: Assistant Professor

Qualifications:

- Applicants must have a Ph.D. in Computer Engineering, Software Engineering, Computer Science, or Electrical Engineering.
- Applicants must demonstrate potential for teaching and scholarly excellence.
- Applicants should have awareness of and sensitivity to the educational goals of a multicultural population as might have been gained in cross-cultural study, training, teaching and other comparable experience.

Responsibilities:

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

Salary Range: Commensurate with qualifications and experience.

Starting Date: August 18, 2015

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

Application Procedures: For full consideration, please upload a letter of application, curriculum vitae, statement of teaching interests/philosophy, research plans and at least three original letters of reference with contact information by **February 16, 2015** at <http://apptrkr.com/536420>. All documents should be in pdf format with Job Opening ID and pertinent signatures.

Screening of candidates will begin **February 16, 2015**. The positions remain open until filled.

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

San José State University is California's oldest institution of public higher

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

San José State University is an Equal Opportunity/Affirmative Action Employer committed to nondiscrimination on the bases of race, color, religion, national origin, sex, sexual orientation, gender status, marital status, pregnancy, age, disability, or covered veteran status consistent with applicable federal and state laws. This policy applies to all San José State University students, faculty, and staff as well as University programs and activities. Reasonable accommodations are made for applicants with disabilities who self-disclose. Note that all San José State University employees are considered mandated reporters under the California Child Abuse and Neglect Reporting Act and are required to comply with the requirements set forth in CSU Executive Order 1083 as a condition of employment.

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

San José State University is an Affirmative Action/Equal Opportunity Employer.

Professional Opportunities

Santa Clara University

Department of Computer Engineering

*Two Tenure-Track Assistant
Professor Positions*

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

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

Santa Clara University (<https://www.scu.edu>) is a comprehensive Jesuit, Catholic university, located in the heart of Silicon Valley. Distinguished by the highest retention rate and ranked second among all master's universities in the West by U.S. News and World Report, Santa Clara University is California's oldest operating institution of higher education. The School of Engineering is committed to improving the human condition through engineering education, practice, and scholarship, promoting the University's mission to 'fashion a more humane, just and sustainable world'.

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

The proposed start date is September 1, 2015.

Application Instructions

Applicants should submit detailed CVs, statements of research interests, statements of teaching interests, and names and contact information of three professional references. All materials should be submitted online at <https://jobs.scu.edu/postings/I667>

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

EEO / AA Policy:

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

Simon Fraser University

School of Computing Science

Assistant Professor

The School of Computing Science at Simon Fraser University invites applications for a tenure-track position at the Assistant Professor level. A Ph.D. in Computer Science or related area is required, with a strong commitment to excellence in research and teaching. The School is seeking to fill a

position in any area related to computer security including but not limited to data security, cloud security, communication security, cryptography and privacy.

Exceptional candidates in other areas will also be considered.

Simon Fraser University is located in metropolitan Vancouver, one of the most livable cities in the world. The School of Computing Science has recently been ranked in the top 4 in Canada as well as top 50 in the world, both in research strength and employability of students, by Shanghai Ranking, US News and LinkedIn. The School currently has 40 research faculty members, approximately 240 Ph.D. and M.Sc. students, and more than 1500 undergraduate majors.

The review of applications will start on January 15, 2015 and will continue until the position is filled. For additional information see www.cs.sfu.ca. The position is subject to availability of funding and final approval by the SFU Board of Governors.

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

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

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.

Professional Opportunities

For further details see: www.sfu.ca/vpacademic/Faculty_Openings/Collection_Notice.html

State University of New York at Binghamton

*Department of Computer Science
Six Tenure-Track Positions*

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

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

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

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

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

We are an EE/AA employer.

State University of New York at Buffalo

Department of Computer Science and Engineering

Lecturer Position Available

The State University of New York at Buffalo Department of Computer Science and Engineering invites candidates to apply for a non-tenure track lecturer position beginning in the 2015-2016 academic year. We invite candidates from all areas of computer science and computer engineering who have a passion for teaching to apply.

The department has a strong commitment to hiring and retaining a lecturer for this career-oriented position, renewable for an unlimited number of 3-year terms. Lecturers are eligible for the in-house titles of Teaching Assistant Professor, Teaching Associate Professor and Teaching Professor.

Applicants should have a PhD degree in computer science, computer engineering, or a related field, by August 15, 2015. The ability to teach at all levels of the undergraduate curriculum is essential, as is a potential for excellence in teaching, service and mentoring. A background in computer science education, a commitment to K-12 outreach, and addressing the recruitment and retention of underrepresented students are definite assets.

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 but not required.

Review of applications will begin on January 15, 2015, but will continue until the position is filled. Applications must be submitted electronically via <http://www.ubjobs.buffalo.edu/>. Please use posting number 1400806 to apply. The University at Buffalo is an Equal Opportunity Employer.

The Department, School and University

Housed in 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 the Engineering Accreditation Commission of ABET), a combined 5-year BS/MS program, a minor in Computer Science, and two joint programs (BA/MBA and Computational Physics).

The department has 34 tenured and tenure-track faculty and 4 teaching faculty, approximately 640 undergraduate majors, 570 masters students, and 150 PhD students. Fifteen faculty have been hired in the last five years. Eight faculty are NSF CAREER award recipients. Our faculty are active in interdisciplinary programs and centers devoted to biometrics, bioinformatics, biomedical computing, cognitive science, document analysis and recognition, high performance computing, information assurance and cyber security, and computational and data science and engineering.

The State University of New York at Buffalo (UB) is New York's largest and most comprehensive public university, with approximately 20,000 undergraduate students and 10,000 graduate students.

City and Region

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

Professional Opportunities

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.

State University of New York at Buffalo

Department of Computer Science and Engineering

Multiple Tenured and Tenure-Track Faculty Positions Available

The Department of Computer Science and Engineering has 34 tenured and tenure-track faculty and four teaching faculty. We have hired fifteen faculty members in the last six years and are continuing to expand rapidly in our brand new building which we occupied in 2012. Eight members of our faculty are NSF CAREER award recipients. Our faculty members are actively involved in successful interdisciplinary programs and centers devoted to biometrics; bioinformatics; biomedical computing; cognitive science; document analysis and recognition; high performance computing; information assurance and cyber security; and computational and data science and engineering.

The State University of New York at Buffalo Department of Computer Science and Engineering invites candidates to apply for multiple tenured and tenure-track faculty positions beginning in the 2015-2016 academic year. We invite candidates from all areas of computer science and engineering, especially software engineering and programming languages, cyber security, and computer vision and pattern recognition. Applicants should have a Ph.D. in computer science or a related area and demonstrate potential for excellence in research, teaching, and mentoring.

Applications should be submitted by December 31, 2014, electronically via <http://www.ubjobs.buffalo.edu/>. Please use posting number I400598 to apply.

The University at Buffalo is an Equal Opportunity Employer.

Stevens Institute of Technology

Computer Science - Assistant Professor

The Computer Science Department at Stevens Institute of Technology invites applications for a tenure-track position beginning in August 2015. Special consideration will be given to candidates in machine learning, learning at scale, visual computing, or secure systems at the assistant professor level. However, outstanding applicants at other levels and/or in other areas of Computer Science may also be considered.

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

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. Hoboken is an upscale small city, the residence of choice for many professionals working in NYC. Faculty live in Hoboken, Manhattan, and in suburban communities in Northern New Jersey along commuter train lines to Hoboken and NYC. Stevens' location offers excellent opportunities for collaborations with nearby universities such as NYU, Princeton, Columbia, and Rutgers/DIMACS as well as

major industrial research laboratories such as Bell Labs, AT&T Labs, IBM Research, Google NYC, Siemens, and the Sarnoff Corporation.

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

Stevens Institute of Technology is an Equal Opportunity Employer.

Stevens is building a diverse faculty, staff, and student body and strongly encourages applications from females and minority candidates as well as veterans and individuals with disabilities.

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

Swarthmore College

Multiple Visiting Positions

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

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

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

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

Professional Opportunities

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

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

Applicants must apply online at Academic Jobs Online <http://academicjobsonline.org/ajo/jobs/4689>

Temple University

Department of Computer and Information Sciences

Junior and Senior Tenure-Track Faculty Positions

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

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

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

The CIS Department has two undergraduate degree programs, one in Computer Science (CS) and one in Information Science and Technology (IS&T), a master's program in CIS, a master's program in IS&T, and a PhD program in CIS. The department, recently moved to a new Science Education and Research Center, has undergone considerable growth in research in the past few years, during which research funding, publication rates, and the number

of Ph.D. students has significantly increased. Located in Philadelphia, the 5th-largest city in the U.S., Temple University is a comprehensive research institution that serves more than 39,000 students. It is the 26th largest university in the United States and is one of the nation's leading centers of professional education.

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



Assistant Professor, Associate Professor or Professor Dept. of Biomedical Informatics Stony Brook University School of Medicine

The Department of Biomedical Informatics is inviting applications for Assistant Professor, Associate Professor or Full Professor tenure-track faculty positions in Biomedical Informatics areas, primarily in Clinical Informatics, Translational Informatics, Bioinformatics, as well as Public Health Informatics, Pathology Informatics, Imaging Informatics, Artificial Intelligence, Database Networking, and Computational Science.

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

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

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

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

Tahsin Kurc, Ph.D.
Chair of Search Committee
School of Medicine
Health Sciences Center, Level 3, Room 043
Stony Brook University
Stony Brook, NY 11794-8322

To view application procedure and full position description, visit www.stonybrook.edu/jobs (Ref. # F-8316-14-11-F).

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

Professional Opportunities

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

Texas A&M University-Corpus Christi

*School of Engineering & Computing Sciences
Two x Assistant Professor of Computer Science Positions*

TAMU-CC invites applications for two tenure-track Assistant Professor positions in Computer Science. Appointment at a higher rank may be possible for qualified candidates. Successful candidates are expected to have expertise in Computer Science and its applications in geospatial computing and/or computer security and information

assurance. The starting date of the positions is Fall 2015.

The School of Engineering & Computing Sciences (ENCS) prepares students to pursue productive careers and advanced degrees in engineering, computer science, or geospatial information science.

The following are the minimum qualifications for the positions:

- An earned Ph.D. in Computer Science or a closely related field at the time of appointment.

Tulane University

Department of Computer Science

Faculty Positions in Computer Science

Starting Fall 2015



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

The areas of focus are

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

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

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

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

All applicants should apply electronically via the following link: apply.interfolio.com/27214.

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

Professional Opportunities

- Established record of external funding that supports the candidate's graduate and research program commensurate with the candidate's level,
- Record of original research, with significant publications in archival journals commensurate with the candidate's level,
- Demonstrated excellence in teaching at the undergraduate and graduate levels, and in supervising graduate and undergraduate student researchers in computer science; candidates for assistant professor position should show their teaching potential, and
- Ability to communicate effectively with an ethnically and culturally diverse campus community.

The basic job requirements include:

- Teaching undergraduate and graduate-level courses,
- Establishing and directing an active and externally funded research program, Publishing research results in archival journals with high impacts,
- Advising geospatial computing sciences Ph.D. students and computer science M.S. students, Assisting with graduate student recruitment,
- Supporting the Geospatial Computing Sciences Ph.D. Program and the Computer Science M.S. Program, and
- Representing the school in national and international computing functions.

Information about the school is available at <http://encs.tamucc.edu/>.

Apply online at <https://pal49.peopleadmin.com>; job number: 0523.

Texas A&M-Corpus Christi is an Equal Opportunity/Affirmative Action Employer committed to diversity.

Texas A&M University

*Department of Computer Science
and Engineering*

Multiple Faculty Positions

The **Department of Computer Science and Engineering of the Dwight Look College of Engineering at Texas A&M University** invites applications for multiple faculty positions, including an endowed chair professor, tenured or tenure-track positions, and non-tenure track teaching-focused positions starting fall 2015. Additionally, a number of multi-disciplinary centers and institutes are seeking faculty that may have interests aligned with computer science or computer engineering.

In response to the national demand for more qualified engineers, the Look College has embarked on "25 by 25," an ambitious enrollment growth initiative to more than double the college's current enrollment to 25,000 engineering students by the year 2025. The Department of Computer Science and Engineering (CSE) is an integral part of this planned growth. The department currently has 39 tenured and tenure track faculty members, a professor of practice, six research faculty, and four full time lecturers. The department has faculty with a number of national distinctions, including NAE members, 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 www.tamengineeringjobs.com.

Endowed Chair Professor: CSE invites applications for the College of Engineering Endowed Chair in Computer Science. Exceptional candidates in all areas of computer science and/or computer engineering are welcome to apply. An internationally recognized scholar is being sought who has the vision, enthusiasm, motivation, and capability to build and guide

a flourishing research group. Candidates having synergistic interests with existing areas of research strengths, and those who will broaden and expand our current programs will generate the most interest. Applications from candidates with highly innovative research agendas and/or who cross traditional disciplinary boundaries are welcome. The department, with the strong backing of the college and university, is committed to providing the resources needed to enable the endowed chair to quickly establish a vibrant, internationally recognized research presence at Texas A&M. Successful candidates will be expected to teach at the undergraduate and graduate levels, develop an independent, externally funded research program, advise graduate students, participate in all aspects of the department's mission, and serve the profession.

Open Rank Position in Computer Science or Engineering:

CSE invites applications for an assistant, associate or full professor in the areas of (1) big data, including large-scale data management/analytics and information visualization; and (2) software, including programming languages and software engineering. 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.

Teaching-focused Positions: CSE is accepting applications for open rank non-tenure track faculty positions for academic year 2015-2016. All positions require teaching undergraduate courses related to computer science and engineering. Instructional track professors may also teach regular graduate courses and special topic seminars. All positions with "professor" titles are expected to perform professional service duties in addition to teaching. All non-tenure track

Professional Opportunities

position openings are subject to budgetary availability, student enrollment needs, and turnover rates.

Application Process

Applicants for the above endowed chair and assistant, associate or full professor positions must have a Ph.D. in computer science, computer engineering, or related field.

Applicants for the non-tenure track title professor or associate professor of engineering practice must have at minimum a Bachelor level degree in computer science, computer engineering, or related field, significant industry experience and demonstrate strong written and verbal communications skills appropriate for classroom instruction. Candidates for professor or associate professor of engineering practice may be considered for multi-year appointments.

Applicants for the non-tenure track titles of lecturer, senior lecturer, or instructional professor track titles must have at minimum a Bachelor level degree in computer science, computer engineering or in a related field plus significant appropriate teaching and/or industrial experience and must demonstrate strong written and verbal communications skills appropriate for classroom instruction.

All applicants should submit a cover letter, curriculum vitae, teaching statement, research statement, and a list of four references (including postal addresses, phone numbers and email addresses) by applying for this specific position at www.tamengineeringjobs.com. Applications will be considered until positions are filled. For specific questions about the positions, contact: search@cse.tamu.edu. It is anticipated the appointment will begin fall 2015.

Additional Multi-Disciplinary Positions

The recently established **Center for Remote Health Care Technology (CRHCT)** invites applications for multidisciplinary tenured/tenure track faculty at the

assistant, associate and full professor ranks in the area of remote health, including big data and signal processing in remote health, flexible & wearable electronics for health and fitness, imbedded biomedical devices, processes & systems, and biomedical health and fitness domain expertise. Candidates must possess a Ph.D. or equivalent in a discipline of engineering or a closely related field and will be expected to teach, perform research, and supervise graduate students. Applications should include a curriculum vitae and a list of three references and be submitted to centerfacultysearch@bme.tamu.edu.

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

U.S. Naval Academy

Multiple Tenure-Track Positions in Cybersecurity

The U.S. Naval Academy invites applications for several tenure track positions at all academic ranks in support of a growing cyber education initiative. This initiative includes (1) a dedicated Cyber Operations major, (2) two required cybersecurity courses for all students, and (3) a planned building intended for multi-disciplinary cyber education and research.

Applicants must have a Ph.D. and expertise in a cyber-relevant field, which may include both technical and non-technical fields such as Computer Science, Computer Security, Computer Engineering, Electrical Engineering, and Political Science. The requirements of the position include teaching and developing undergraduate courses focused on Cyber Operations, academic research in the area of

Cyber Operations, and mentoring of students and faculty.

As an historic officer accession program and premier undergraduate university, the United States Naval Academy has its own unique niche amongst American educational institutions. Our talented civilian faculty and staff are united by one common purpose - to develop the next generation of leaders for our naval service. In order to deliver on this promise to our nation, we recruit from all segments of society to find faculty, instructors, and support staff who model the highest professional standards.

Applicants should send a cover letter, teaching and research statements, curriculum vitae, and arrange for three letters of recommendation that address both teaching and research abilities to be sent to Captain Paul Tortora, Director of the USNA Center for Cyber Security Studies, cyber-positions-group@usna.edu.

Applications will be accepted until all positions are filled, and will begin being reviewed immediately.

Information about the Cyber Operations major at USNA can be found at the following link: <http://www.usna.edu/Academics/Majors-and-Courses/Majors/Cyber-Operations.php>

Further details about the position may be seen here: <http://www.usna.edu/HRO/jobinfo/AsstProfCberOperations.php>

The University of Alabama in Huntsville

Tenure-Track Faculty Position

The Department of Computer Science of The University of Alabama in Huntsville (UAH) invites applicants for a tenure-track faculty position at the Assistant Professor level for an opening in entertainment computing, in particular in computer game development. Professional experience,

Professional Opportunities

especially related to game development, is a plus. A supplemental aptitude in cybersecurity, data analytics / data science, mobile or distributed computing, or software engineering is also a plus. A Ph.D. in computer science or a closely related area is required. Qualified female and minority candidates are encouraged to apply. Initial review of applicants will begin in January 2015 and will continue until a suitable candidate is found. UAH is an equal opportunity/affirmative action institution.

Application Instructions: for the full position announcement, please visit: <http://www.cs.uah.edu/intranet/FacultyOpening.docx>

University at Albany - SUNY

Informatics Department

Assistant Professor

The Informatics Department in the College of Computing and Information at the University at Albany - SUNY is searching for one (1) Assistant Professor tenure-track faculty position beginning Fall 2015. We seek candidates with research expertise in cyber-security & privacy, an area that the University has identified as a priority for development.

Applicants must have a Ph.D. in Informatics or a closely related discipline. For a complete job description and application procedures, visit: <http://albany.interviewexchange.com/jobofferdetails.jsp?JOBID=53468>

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

The Informatics Department offers undergraduate and doctoral degrees. For additional information, please visit www.albany.edu/informatics/.

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

The University of Arizona

Department of Computer Science

Assistant Professor

The Department of Computer Science invites applications for two tenure-track faculty positions at the Assistant Professor level:

1. Machine Learning and related areas.

The successful candidate will conduct core computer science research in machine learning and related areas and also participate in the University of Arizona's Statistics Graduate Interdisciplinary Program.

2. Large-scale data-centric computing

("Big Data"). The research areas of distributed systems, storage and database systems, information visualization, security and privacy, and scalable storage are especially desirable. Outstanding candidates in related areas will also be considered.

The Department of Computer Science at the University of Arizona has a long history of research accomplishment, influential software distribution, and substantial external funding. Major funding has included four NSF infrastructure grants. Current research areas include algorithms, architecture, bioinformatics, compilers, computational geometry, databases, distributed systems, embedded systems, networks, operating systems, security, sensor networks, vision, and visualization. More information about the University of Arizona and its environs is available at www.whyUA.com.

The minimum requirement for the position is a PhD in Computer Science or closely related discipline. Review of applications will begin January 2, 2015 and continue until the position is filled. Please email search@cs.arizona.edu if you have any questions or need assistance.

The University of Arizona is a committed Equal Opportunity/Affirmative Action

Institution. Women, minorities, veterans and individuals with disabilities are encouraged to apply.

Application Instructions

Current information regarding this position and instructions for applying are available at the UA Human Resources web site at the following URLs:

- Data position: <http://www.uacareers.com/56718>
- Machine Learning position: <http://www.uacareers.com/56720>

Be sure to upload (a) your curriculum vitae, (b) a statement of your research and teaching interests, (c) the names of at least three references, and (d) your letter of interest.

The University of Arizona

Department of Computer Science

Lecturer/Senior Lecturer/Professor of Practice

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

The most important criteria for the position are demonstrated excellence in undergraduate Computer Science education, especially with large enrollment classes, and extensive knowledge of core Computer Science topics, e.g., programming languages, software engineering, and/or computer systems and networks. Preference will be given to candidates who have, or are close to having, a PhD in Computer Science or related field as well as teaching experience.

The Department of Computer Science at the University of Arizona has 17 faculty members, 3 of whom are senior lecturers. It has a long history of research accomplishment,

Professional Opportunities

influential software distribution, and excellent undergraduate and graduate instruction. Current research and teaching areas span most core areas of Computer Science. The university is located in Tucson, a valley with desert landscape surrounded by mountain ranges. Tucson boasts a warm climate, 350 sunny days per year, with ample opportunities for outdoor activities such as hiking, mountain biking, horseback riding, caving, and rock climbing. More information about the University and its environs is available at www.whyUA.com.

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

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

Application Instructions

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

University of British Columbia

Department of Computer Science

Associate Professor Position in Algorithmic Game Theory

The Department of Computer Science at the University of British Columbia is seeking an outstanding investigator for a fulltime tenured faculty position at the rank of Associate Professor. This position is open to investigators who obtained a PhD more than ten years ago. Investigators whose PhDs are more recent are instead invited to apply to the Tier II CRC position in Algorithmic Game Theory. We are seeking candidates of exceptional scientific talent who have demonstrated research success and shown evidence of high potential in the area of

Algorithmic Game Theory. The anticipated start date is July 1, 2015.

The position requires a PhD in Computer Science or a related area and an outstanding research track record, including multiple full-length recent publications in top international CS Theory, Artificial Intelligence, and/or game theory conferences and journals along with evidence of the impact of publications and other software artifacts. The successful candidate has developed and maintained an internationally recognized research program. The successful candidate has effectively mentored graduate students, collaborated with other faculty members, has obtained external funding, and effectively taught algorithmic game theory, CS Theory and/or artificial intelligence, and other computer science courses for undergraduate and graduate students, and actively participated in departmental activities. The potential of an applicant's research program to complement and extend the existing research strengths of the department will be an important factor in selection, as will an applicant's ability to conduct interdisciplinary collaborations at UBC with other game-theoretic disciplines, notably microeconomics.

Applicants must submit a CV, a research statement, a teaching statement, and the names of at least three references. The teaching statement should include a record of teaching interests and experience. If you wish to apply, please follow the instructions at: <https://www.cs.ubc.ca/our-department/employment/faculty-positions>

The website will remain open for submissions through the end of the day on January 31, 2015. The website may remain open past that date at the discretion of the recruiting committee. All applications submitted while the above website is open will be considered.

UBC hires on the basis of merit and is strongly committed to equity and diversity

within its community. We especially welcome applications from members of visible minority groups, women, Aboriginal persons, persons with disabilities, persons of minority sexual orientations and gender identities, and others with the skills and knowledge to engage productively with diverse communities. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority.

If you have questions about the application process, please contact the Chair of Algorithmic Game Theory Recruiting Subcommittee by email, accessible via the web page below.

Kevin Leyton-Brown

<http://cs.ubc.ca/~kevinlb>

Chair, Algorithmic Game Theory Recruiting Subcommittee
Department of Computer Science
University of British Columbia
Vancouver BC V6T 1Z4
Canada

University of British Columbia

Department of Computer Science

Canada Research Chair II in Algorithmic Game Theory

The Department of Computer Science at the University of British Columbia is seeking an outstanding investigator for a fulltime tenure track faculty position. We expect the position to be filled at the rank of Assistant Professor; however exceptional applicants will be considered at the Associate Professor rank. We are seeking candidates of exceptional scientific talent who have demonstrated research success and shown evidence of high potential in the area of Algorithmic Game Theory. The anticipated start date is July 1, 2015. The successful applicant will be expected to apply for a Canada Research Chair Tier II, details about which can be found at <http://www.chairs.gc.ca>.

Professional Opportunities

The position requires a PhD, normally obtained in the last ten years in Computer Science or a related area and an outstanding research track record, including multiple full-length recent publications in top international CS Theory, Artificial Intelligence, and/or game theory conferences and journals along with evidence of the impact of publications and other software artifacts. The successful candidate will develop and maintain an internationally recognized research program. The successful candidate will also be expected to effectively supervise graduate students, collaborate with other faculty members, obtain external funding, effectively teach algorithmic game theory, CS Theory and/or artificial intelligence, and other computer science courses for undergraduate and graduate students, and actively participate in departmental activities. The potential of an applicant's research program to complement and extend the existing research strengths of the department will be an important factor in selection, as will an applicant's ability to conduct interdisciplinary collaborations at UBC with other game-theoretic disciplines, notably microeconomics.

Applicants must submit a CV, a research statement, a teaching statement, and the names of at least three references. The teaching statement should include a record of teaching interests and experience. If you wish to apply, please follow the instructions at: <https://www.cs.ubc.ca/our-department/employment/faculty-positions/tier-2-canada-research-chair-algorithmic-game-theory>

The website will remain open for submissions through the end of the day on January 31, 2015. The website may remain open past that date at the discretion of the recruiting committee. All applications submitted while the above website is open will be considered.

UBC hires on the basis of merit and is strongly committed to equity and diversity within its community. We especially welcome applications from members of visible minority groups, women, Aboriginal persons, persons with disabilities, persons of minority sexual orientations and gender identities, and others with the skills and knowledge to engage productively with diverse communities. All qualified candidates are encouraged to apply. Canada Research Chairs are subject to review and final approval by the CRC Secretariat. CRC positions are open to individuals of any nationality; offers will be made in accordance with Canadian immigration requirements associated with the Canada Research Chairs program. If you have questions about the application process, please contact the Chair of Algorithmic Game Theory Recruiting Subcommittee by email, accessible via the web page below.

Kevin Leyton-Brown

<http://cs.ubc.ca/~kevinlb>

Chair, Algorithmic Game Theory Recruiting Subcommittee

Department of Computer Science
University of British Columbia
Vancouver BC V6T 1Z4
Canada

University of British Columbia

Department of Computer Science

Faculty Position in Software Engineering

The Department of Computer Science at the University of British Columbia is seeking an outstanding investigator for a fulltime tenure-track faculty position, at the rank of Assistant or Associate Professor. We are seeking candidates of exceptional scientific talent who have demonstrated research success and shown evidence of high potential in the area of Software Engineering. The anticipated start date is July 1, 2015.

The position requires a PhD in Computer Science or a related area and an outstanding research track record, such as multiple full-length recent publications in top software engineering conferences and journals and evidence of the impact of publications and other software artifacts. The successful candidate will develop and maintain an internationally recognized research program. The successful candidate will also be expected to effectively supervise graduate students, collaborate with other faculty members, obtain external funding, effectively teach software engineering and other computer science courses for undergraduate and graduate students, and actively participate in departmental activities. The potential of an applicant's research program to complement and extend the existing research strengths of the department will be an important factor in selection.

Applicants must submit a CV, a research statement, a teaching statement, and the names of at least three references. The teaching statement should include a record of teaching interests and experience. If you wish to apply, please follow the instructions at: <https://www.cs.ubc.ca/our-department/employment/faculty-positions>

The website will remain open for submissions through the end of the day on January 31, 2015. The website may remain open past that date at the discretion of the recruiting committee. All applications submitted while the above website is open will be considered.

UBC hires on the basis of merit and is committed to employment equity. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority. Our department strives to maintain a collegial and supportive atmosphere. We strongly encourage applications from candidates with diverse backgrounds and

Professional Opportunities

experiences based on, for example, gender, race, ethnicity, religion, sexual orientation, and disability status.

If you have questions about the application process, please contact the Chair of Software Engineering Recruiting Subcommittee by email, at the address below.

Laks Lakshmanan
Chair, Software Engineering Recruiting Subcommittee
Department of Computer Science
University of British Columbia
Vancouver BC V6T 1Z4
Canada
Email: laks@cs.ubc.ca

University of British Columbia

*Department of Computer Science
Tenure-Track Teaching Position*

The University of British Columbia invites applications for one or more tenure-track teaching positions at the rank of Instructor I in the Department of Computer Science on the Vancouver Campus. These position(s) provide the rare opportunity to pursue a career based on excellence in teaching, while participating as a first-class colleague in the intellectually exciting atmosphere of a top-tier computer science department. Appointment at a tenured rank may be considered for applicants with exceptional qualifications and experience. The anticipated start date for these positions is July 1, 2015.

These position(s) have been created to assist the department in fulfilling its commitment to engage with the University's new Vantage College Program launched during the 2014/2015 academic year. One of the Program's mandates is to offer a first-year curriculum focused on Chemistry, Mathematics, Physics, and Computational Sciences to a cohort of international students, in preparation

for entry to the second year of degree programs in the Faculty of Science. (See <http://www.vantagecollege.ubc.ca/>) The mandate also includes the development and implementation of innovative teaching practices. It is anticipated that for at least one of these positions, the majority of the appointee's workload will initially be dedicated to this program.

The appointee(s) will work with peers in the Departments of Chemistry, Mathematics, and Physics, as well as with Academic English language Instructors, to develop the pedagogy and curriculum for the Program. In addition, the appointee(s) will teach for the College and the Department of Computer Science.

A PhD or equivalent in Computer Science or a related area is expected. The position requires a demonstrated excellence in and commitment to undergraduate teaching, ability to work independently, effective communications skills, demonstrated ability to supervise the work of others, promise of educational leadership, and proven potential for creating innovative instructional environments in both the undergraduate classroom and the laboratory. Experience in curriculum development, course design, and other initiatives that advance the University's ability to excel in its teaching and learning mandate is also an asset.

Candidates should submit a CV, a teaching statement, evidence of teaching effectiveness, and the names of at least three references. The statement should include their teaching philosophy, and a record of teaching interests and experience. Candidates are particularly encouraged to highlight experience with emerging technologies in teaching and learning, and experience in fostering the education of students from diverse backgrounds. Applications may be submitted online at <https://www.cs.ubc.ca/our-department/employment/faculty-positions>

The website will remain open for submissions through the end of the day on January 31st, 2015. The website may remain open past that date at the discretion of the recruiting committee. All applications submitted while the website remains open will be considered.

UBC hires on the basis of merit and is committed to employment equity. All qualified persons are encouraged to apply. We especially welcome applications from members of visible minority groups, women, Aboriginal persons, persons with disabilities, persons of minority sexual orientations and gender identities, and others with the skills and knowledge to engage productively with diverse communities. Canadians and permanent residents of Canada will be given priority.

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

Alan Hu
Chair, Instructor Recruiting Subcommittee
Department of Computer Science
University of British Columbia
Vancouver, BC V6T 1Z4
Canada
Email: ajh@cs.ubc.ca

The University of British Columbia, Vancouver

Department of Electrical & Computer Engineering

Assistant/Associate/Full Professor - Machine Learning

The Department of Electrical and Computer Engineering (ECE) at The University of British Columbia (UBC) invites applications for a tenure-track or tenured faculty position at the Assistant, Associate, or Full Professor rank in the area of machine learning and control from candidates with a strong fundamental background in machine learning

Professional Opportunities

theory for dynamical systems, system identification, and control.

Applicants must demonstrate a clear potential for and interest in achieving excellence in research and teaching. Successful applicants will preferably have relevant industrial experience and be active in enhancing educational and research links within the community. All faculty members are expected to teach at both undergraduate and graduate levels, supervise graduate students, develop a sponsored research program, collaborate with other faculty, and be involved in community and professional service. Applicants should have received a Ph.D. or equivalent in electrical engineering, computer engineering, or a relevant area. Registration as a Professional Engineer in British Columbia is required within five years of appointment. These appointments are expected to commence as early as 1 July 2015. In addition to start-up funds from the University, significant start-up funding to new faculty may be available through the Canada Foundation for Innovation (CFI) and other sources.

For a complete job description and detailed application instructions, please visit: <http://facultycareers.ubc.ca/19775>

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Berkeley

University of California

LecPSOE - Computer Science - Pos #1947

The EECS Dept. at the University of California, Berkeley invites applications for an approved, full-time Lecturer with Potential Security of Employment (Lec-PSOE) specializing in teaching computer science, expected start date July 1, 2015. The Lecturer-PSOE track at Berkeley parallels the tenure-track for professors: after an initial period of service and formal reviews, incumbent is eligible for promotion to Security of Employment ("SOE"; equivalent to tenure).

Appointee will teach undergraduate core courses in Computer Science; CS 61A-B-C and CS 70 are of particular interest (see descriptions at <http://www.eecs.berkeley.edu/Students/classes.shtml>)

Applicants should have completed, at time of application, all degree requirements except the dissertation for a Ph.D. or equivalent in Computer Science, Computer Engineering, or a related field. By the start date of the position, applicants should have completed the Ph.D. or equivalent. Additional qualifications include demonstrated excellence in teaching and leadership.

To apply, go to <http://apptkr.com/548292> . DO NOT APPLY VIA THE 'APPLY NOW' BUTTON ON THE APRecruit WEB SITE! At <http://www.eecs.berkeley.edu/Faculty-Jobs/>, submit:

- a cover letter
- a resume
- the names of 3 references who will directly submit recommendations (SEE BELOW)
- Statements on Teaching and Research interests o up to 3 publications
- Statement of Contributions to Diversity, addressing past and/or potential contributions to diversity through teaching, service, and/or research

Applications will be reviewed starting November 28; candidates are urged to apply by that date.

****The application period closes December 15**.** Applications received after December 15 cannot be considered; all those who apply before the deadline will be. Please direct questions to eeecs-faculty-recruiting@eecs.berkeley.edu, using subject line "CS LecPSOE #1947."

Applicants are responsible for asking recommenders to upload letters – EECS does NOT solicit them directly. Reference letters should be uploaded by December 18, directly via a "URL for recommenders" which will be provided to references by the applicant. All letters will be treated as confidential per University of California policy and California state law. Please refer referees, including for letters provided via a dossier service/career center, to UC Berkeley's statement of confidentiality (<http://apo.berkeley.edu/evalltr.html>) prior to submitting letters.

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, disability, age or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy see: <http://policy.ucop.edu/doc/4000376/NondiscrimAffirmAct>. The Department is committed to addressing the family needs of its faculty, including dual-career couples and single parents. The Department is interested in candidates who will contribute to diversity and equal opportunity in higher education through their teaching, research, and service.

===> Remember, apply only at: <http://www.eecs.berkeley.edu/Faculty-Jobs/>

EOE

University of California, Davis

Department of Computer Science

Lecturer with Potential for Security of Employment Position

Applicants are invited to apply for a Lecturer with Potential for Security of Employment position in Computer Science. (This position

parallels the position of an assistant professor on track for tenure but with primarily teaching duties and teaching/ curriculum- related service activities). The successful candidate will teach computer science engineering courses (primarily at the undergraduate level), develop new courses,

Professional Opportunities

lead accreditation activities, participate in continuous curriculum improvement, and lead diversity and inclusion efforts. The candidate will also have the opportunity to lead research projects, particularly for undergraduate students, and to develop newer seminars/courses with broad appeal in areas that influence computer science and engineering education. The candidate should have a strong teaching record and commitment to undergraduate instruction. A Ph.D. in computer science engineering or a closely-related discipline is required.

Consult <https://recruit.ucdavis.edu/apply/JPF00457> for our on-line application procedure and additional requirements. The position is open until filled; but to assure full consideration, applications should be submitted no later than 5pm, January 31, 2015, for a start date of July 1, 2015.

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

University of California, Davis

Department of Statistics

Assistant/Associate/Full

The Department of Statistics at UC Davis invites applications for multiple tenure-

track Assistant Professor, tenured Associate and Full Professor positions from qualified individuals with a Ph.D. in Statistics or a related field. Applicants are expected to have active research interests in statistical methods that are related to large and complex or massive data sets. Special consideration will be given to candidates with demonstrated interests in machine learning, geometrical and nonlinear methods in statistics, including the analysis of spatio-temporal, functional-longitudinal, shapes, networks and other object data, deep/innovative scientific applications in various fields such as biological sciences and imaging, and big data-computing intensive methods. Candidates must possess a strong commitment to providing service to the department, university and statistics community. An outstanding record of research, professional activity and teaching are required for appointment with tenure, and demonstrated interest and the potential to achieve such a record are required for a tenure-track appointment. The position will begin 07/01/2015.

Applications reviewed until positions are filled.

See <http://www.stat.ucdavis.edu/employment/academic/> for more information.

To apply, go to <https://recruit.ucdavis.edu/apply/JPF00329>

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

University of California, Davis

Department of Statistics

Faculty Positions: Assistant/Associate/Full

The Department of Statistics at UC Davis invites applications for multiple tenure-track Assistant Professor, tenured Associate and Full Professor positions from qualified individuals with a Ph.D. in Statistics or a related field. Applicants are expected to have active research interests in statistical methods that are related to large and complex or massive data sets. Special consideration will be given to candidates with demonstrated interests in machine learning, geometrical and nonlinear methods in statistics, including the analysis of spatio-temporal, functional-longitudinal, shapes, networks and other object data, deep/innovative scientific applications in various fields such as biological sciences and imaging, and big data-computing intensive methods. Candidates must possess a strong commitment to providing service to the department, university and statistics community. An outstanding record of research, professional activity and teaching are required for appointment with tenure, and demonstrated interest and the potential to achieve such a record are required for a tenure-track appointment. The position will begin 07/01/2015.

Application review until positions are filled. See <http://www.stat.ucdavis.edu/employment/academic/> for more information. To apply, go to <https://recruit.ucdavis.edu/apply/JPF00329>.

Faculty Positions Available

THE UNIVERSITY OF CALIFORNIA, BERKELEY invites applications for approved tenure-track positions in ELECTRICAL ENGINEERING AND COMPUTER SCIENCES at the nontenured ASSISTANT PROFESSOR level and tenured ASSOCIATE PROFESSOR level. The expected start date for these positions is July 1, 2015. We will also consider possible joint appointments with Department-affiliated institutes and initiatives, or other UC Berkeley departments. The minimum qualification required to be considered an applicant for the position is the completion of all Ph.D. degree requirements except the dissertation at the time of application. The Ph.D. must be in Electrical Engineering, Computer Science, or a related field.

For more information and to apply, visit <http://apptrkr.com/535583>
DO NOT APPLY VIA THE 'APPLY NOW' BUTTON ON THE APRECUIT WEB SITE!

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Professional Opportunities

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

University of California, Davis

Department of Statistics

Lecturer Positions for 2014-15

The Department of Statistics at the University of California, Davis, anticipates one or more openings for a part-time or full-time Lecturer for the delivery of the department's undergraduate curriculum during the 2014-15 academic year depending on the instructional needs of the department. The courses to be taught may include introductory statistics as well as other lower and upper division undergraduate courses. Applicants must possess a Ph.D. in statistics and have prior experience teaching statistics (preferably at the college/university level). Salary is commensurate with the candidate's training and experience. These positions are covered by a collective bargaining agreement.

Application review begins 11/15/2014 until position is filled. For more information see <http://www.stat.ucdavis.edu/employment/academic/>. To apply, go to <https://recruit.ucdavis.edu/apply/JPF00279>

To ensure full consideration, completed applications should be submitted by 11/15/2014.

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

University of California, Irvine

Department of Computer Science

Three Tenure - Track Assistant Professor Positions

The Department of Computer Science (CS) at the University of California, Irvine (UC Irvine) invites applications for three tenure-track Assistant Professor positions. One position targets Artificial Intelligence and Machine Learning, the second position is in Computer Systems, and the third is CS-wide. Exceptionally qualified more advanced candidates may also be considered for a tenured position.

The department has 44 faculty members and 285 graduate students. Faculty research spans a broad spectrum of areas in CS. Prospective applicants are invited to visit our webpages at <http://www.cs.uci.edu>. Applicants must have an earned Ph.D. or equivalent degree. Screening will begin immediately upon receipt of a completed application. Applications will be accepted until the position is filled, although maximum consideration will be given to applications received by February 1, 2015.

Each application must contain: a cover letter, CV, up to 3 key publications, a statement of research and teaching interests, and 3-5 letters of recommendation. A separate statement that addresses past and/or potential contributions to diversity, equity and inclusion should also be included in the application materials. All materials must be uploaded at recruit.ap.uci.edu/apply using one of the links below.

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING applicants:

Tenure-Track Assistant Professors may apply at: <https://recruit.ap.uci.edu/apply/JPF02666>

Tenured Associate Professor may apply at: <https://recruit.ap.uci.edu/apply/JPF02668>

COMPUTER SYSTEMS applicants:

Tenure-Track Assistant Professors may apply at: <https://recruit.ap.uci.edu/apply/JPF02669>

COMPUTER SCIENCE applicants:

Tenure-Track Assistant Professor may apply at: <https://recruit.ap.uci.edu/apply/JPF02670>

Tenured Associate Professor may apply at: <https://recruit.ap.uci.edu/apply/JPF02671>

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

University of California, Los Angeles

Computer Science Department

Tenure Track Faculty

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

Professional Opportunities

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, sexual orientation, gender identity, disability, age or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy see: [UC Nondiscrimination & Affirmative Action Policy](#).

The department is committed to building a more diverse faculty, staff and student body as it responds to the changing population and educational needs of California and the nation.

To apply, please visit <https://recruit.apo.ucla.edu/apply/JPF00599>. Review of applications will begin on December 3, 2014.

University of California, Los Angeles (UCLA)

Tenure-Track Faculty Positions

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

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, sexual orientation, gender identity,

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

The department is committed to building a more diverse faculty, staff and student body as it responds to the changing population and educational needs of California and the nation. To apply, please visit <https://recruit.apo.ucla.edu/apply/JPF00599>. Review of applications will begin on December 3, 2014.

University of California, Riverside

Department of Electrical and Computer Engineering

Faculty Positions

The Department of Electrical and Computer Engineering at the University of California, Riverside invites applications for two faculty positions (open rank) in all major areas of Computer Engineering (CEN) such as Computer architecture, Design automation, Low power, Digital VLSI, and Reliable Computing. The Computer Engineering Program at UCR is managed jointly by the Departments of Computer Science and Engineering (CSE) and Electrical and Computer Engineering (ECE). The search is focused on the Assistant Professor level; however, candidates with an exceptional record of



UC SANTA CRUZ

Department of Computational Media

Assistant, Associate, or Full Professor, Computational Media

The Computational Media Department at the University of California, Santa Cruz (UCSC) invites applications for a tenure track (Assistant) or tenured (Associate or Full Professor) faculty position. We seek outstanding applicants who have an established record of research and teaching experience in interdisciplinary computer games research, ideally connecting novel technology research with practices of design and/or interpretation.

RANK:

Assistant, Associate, or Full Professor

SALARY:

Commensurate with qualifications and experience; academic year (9-month basis)

BASIC QUALIFICATIONS: For Assistant Professor position: Ph.D. or foreign equivalent degree in Computer Science, Digital Media, Human Computer Interaction, Computer Games, or other relevant fields expected to be conferred by June 30, 2015; demonstrated record of research; and teaching experience (demonstrated by college level teaching experience, TA experience, research presentations, and/or professional training seminars). For Associate or Full Professor position: Ph.D. or equivalent foreign degree in Computer Science, Digital Media, Human Computer Interaction, Computer Games, or related fields; demonstrated record of publications; demonstrated experience in university teaching at the graduate and undergraduate levels; and a demonstrated record of university and professional service.

POSITION AVAILABLE:

July 1, 2015, with academic year beginning September 2015. Ph.D. must be conferred by June 30, 2016 for employment beyond that date.

TO APPLY:

Applications are accepted via the UCSC Academic Recruit online system, and must include a letter of application, curriculum vitae, a statement of research plans, a statement of teaching interests, 3–5 selected publications (URLs or PDF format), and 3–4 confidential letters of reference.* Applicants are encouraged to submit an optional statement addressing their past and/or potential contributions to diversity through research, teaching and/or service. All documents/materials must be submitted as PDF files.

Apply at <http://apptkr.com/550042>

Refer to Position #JPF00223-15 in all correspondence.

*All letters will be treated as confidential per University of California policy and California state law. For any reference letter provided via a third party (i.e., dossier service, career center), direct the author to UCSC's confidentiality statement at <http://apo.ucsc.edu/confstm.htm>

CLOSING DATE:

Review of applications will begin on January 12, 2015.

To ensure full consideration, applications should be complete – including letters of recommendation received – by this date. The position will remain open until filled, but not later than 6/30/2015.

VISIT THE APO WEB SITE AT: <http://apo.ucsc.edu>

Professional Opportunities

research, teaching, and graduate student mentoring will be considered at all levels.

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

EEO/AA/Disability/Vets Employer

University of California, Riverside

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

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

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

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

University of California, San Diego

*Department of Computer Science
and Engineering*

Assistant, Associate or Full Professor

The UCSD Department of Computer Science and Engineering (CSE) seeks Assistant,



UC SANTA CRUZ

Baskin School of Engineering Department of Technology Management

Assistant Professor in Economic and Information Networks

The Baskin School of Engineering (BSOE) at the University of California, Santa Cruz (UCSC) invites applications for a tenure track position in the Technology Management Department at the Assistant Professor level. We seek outstanding candidates who do empirical and/or analytical fundamental research in information economics, network science, computational advertising or marketing analytics, mechanism design, or computational/algebraic economics. Technology Management is one of seven departments hosted in the Baskin School of Engineering and is currently undergoing an exciting growth phase in our focus areas of Management, Data Science, and the Economics of Information and/or Technology.

Relevant disciplines for this position include Computer Science, Economics, Electrical Engineering, Industrial and Systems Engineering, Operations Research, Management, Statistics (particularly temporal, streaming, massive data, and causal modeling), Social Sciences (causal and longitudinal modeling), or other relevant interdisciplinary programs.

BASIC QUALIFICATIONS: Ph.D. or equivalent foreign degree in relevant field listed above expected to be conferred by June 30, 2015; Demonstrated record of research and teaching.

POSITION AVAILABLE: July 1, 2015, with academic year beginning September 2015

TO APPLY Applications are accepted via the UCSC Academic Recruit online system, and must include: 1) letter of application; 2) curriculum vitae; 3) research statement; 4) teaching statement; 5) 1-3 publications; 6) 3-5 confidential letters of reference*; 7) instructor teaching evaluations (optional). Applicants are invited to submit a statement addressing their contributions to diversity through research, teaching, and/or service. Documents/materials must be submitted as PDF files.

Apply at <http://apptrkr.com/538673>

Refer to Position #JPF00218-15 in all correspondence

*All letters will be treated as confidential per University of California policy and California state law. For any reference letter provided via a third party (i.e., dossier service, career center), direct the author to UCSC's confidentiality statement at <http://apo.ucsc.edu/confstm.htm>

CLOSING DATE: Review of applications will begin on January 5, 2015. To ensure full consideration, applications should be complete and letters of recommendation received by this date. The position will remain open until filled, but not later than 6/30/2015.

Professional Opportunities

Associate, or Full Professors to fill multiple tenured or tenure-track faculty positions. Exceptional candidates in all areas will be seriously considered. Our focus this year is in candidates who advance, or enable other researchers to do so, research initiatives at the intersection of physical sciences (e.g., cyber-physical systems, vision/robotics), data sciences (e.g., databases, security/privacy, HCI) or life sciences (e.g., bioinformatics, medical informatics). Across all areas, we have particular interests in candidate who have experience and interest in building real experimental artifacts in their research.

Candidates with experience or willingness to engage in activities that contribute to diversity and inclusion are especially encouraged to apply.

The rank of the positions is at the Assistant Professor level; however, excellent candidates at all levels will be seriously considered. The department is looking for applicants with outstanding research credentials. Successful applicants are expected to lead a vigorous research program and will be required to teach university students. A Ph.D. in Computer Science & Engineering or related disciplines, is required. Salary and rank will be commensurate with qualifications in conformance with University of California policies.

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

CSE is home to over 50 faculty and 300 graduate students who span a range of research areas in computer science, computer engineering and bioinformatics. In addition, the department works closely with

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

We encourage candidates to send applications as soon as possible. Applications received by January 1, 2015 will be given full consideration. However, positions remain open until filled. To apply, submit the following materials at the website <https://apol-recruit.ucsd.edu/apply/JPF00671>.

Please submit a cover letter, curriculum vita, research and teaching statements, and contact information to 3 to 5 references to provide letters (the names/addresses, including email address), and a separate statement describing your past experience in activities that promote diversity and inclusion and/or plans to make future contributions. For further information about contributions to diversity statements, see <http://facultyequity.ucsd.edu/Faculty-Applicant-C2D-Info.asp>.

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

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, disability, age or protected veteran status.

The University of Central Florida

Assistant, Associate, or Full Professor (38159)

The University of Central Florida (UCF) is strategically investing in interdisciplinary Data Analytics. The Computer Science

Division in the College of Engineering and Computer Science at UCF invites candidates for a tenure/tenure-track position at the Assistant, Associate, or Full Professor level starting Fall 2015.

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

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

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

UCF has about 60,000 students and is the nation's second largest university. Located in Orlando, UCF is at the center of the I-4 High Tech Corridor. The corridor has an excellent industrial base that includes: software, defense, space, simulation and training, and a world-renowned

Professional Opportunities

entertainment industry. Adjacent to UCF is a thriving research park that hosts more than 100 high-technology companies and the Institute for Simulation and Training. The Central Florida area is designated by the State of Florida as the Center of Excellence in Modeling and Simulation. UCF also has an accredited medical school, which opened in 2009. Great weather, easy access to the seashore, one of the largest convention centers in the nation, and one of the world's best airports are just a few features that make Orlando an ideal location.

Candidates must complete an online job application at <http://www.jobswithucf.com/postings/39939>. The application should include a cover letter, curriculum vitae, statements of research and teaching philosophy, and at least three professional references complete with address, phone number, and email address.

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

University of Central Florida

Assistant or Associate Professor in Human-Computer Interaction

The Computer Science Division in the College of Engineering and Computer Science at UCF invites candidates for a tenure-track/tenure position at the Assistant or Associate Professor level, starting Fall 2015, in the area of Human-Computer Interaction (HCI).

Successful candidates will have a record of high-quality publications and be recognized for their expertise and the impact of their research, and will have the opportunity to join the newly established Interactive Systems and User Experience Research

Cluster of Excellence in the college.

The position requires a Ph.D. from an accredited institution in an area appropriate to Computer Science and a strong commitment to the academic process, including teaching, scholarly publications, and sponsored research. Candidates who conduct research in any area of HCI that are eager to establish multidisciplinary collaborations will be considered. Candidates with a distinguished record of scholarship, teaching, research funding and professional visibility may be considered for appointment as a tenured associate professor.

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

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

medical school, which opened in 2009. Great weather, easy access to the seashore, one of the largest convention centers in the nation, and one of the world's best airports are just a few features that make Orlando an ideal location.

Candidates must complete an online job application at <https://www.jobswithucf.com/postings/40189>. The application should include a cover letter, curriculum vitae, statements of research and teaching philosophy, and at least three professional references complete with address, phone number, and email address.

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

University of Central Florida

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

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

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

Professional Opportunities

tenured positions, preference will be given to candidates with a strong funding record. Candidates must have a strong commitment to the academic process, including teaching, scholarly work, advising, and service.

UCF confers a Master of Science degree in Digital Forensics (MSDF), has been offered by the Computer Science Division of the EECS Department since 2008. The MSDF degree is a collaborative effort between Computer Science, Forensic Science, Criminal Justice, and Legal Studies. The degree program consists of 30 credit hours, and prepares students, including working professionals who pursue the degree on a part-time or full-time basis, to gain the knowledge and skills required to work as an examiner in the field. More details about UCF's MSDF program including, the curriculum, faculty, and recent classes, can be found at the program's website: <http://msdf.ucf.edu>.

UCF is home to a Collegiate Cyber Defense Competition (CCDC) team that won the Alamo Cup in the 2014 national competition. There is a large group of undergraduate students who are very enthusiastic about cyber security. The MSDF program works closely with many organizations to support student internships, and has an excellent reputation among Florida law enforcement officials and departments. UCF has about 60,000 students and is the nation's second largest university. Located in Orlando, UCF is at the center of the I-4 High Tech Corridor. The corridor has an excellent industrial base that includes: software, defense, space, simulation and training, and a world-renowned entertainment industry. Adjacent to UCF is a thriving research park that hosts more than 100 high-technology companies and the Institute for Simulation and Training. Great weather, easy access to the seashore, one of the largest convention centers in the nation, and one of the world's best airports are just a few features that make Orlando an ideal location. UCF is an equal opportunity/affirmative action employer.

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

Candidates must complete an online application at <http://www.jobswithucf.com/postings/39936>. In addition, candidates must also submit a signed cover letter, complete curriculum vitae, maximum two page statement outlining research vision and teaching interests, and a list of at least three **professional** references complete with address, phone number, and email address.

University of Central Florida

Tenure-Track Position in Information Technology Position # 38174

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

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

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

UCF is home to a Collegiate Cyber Defense Competition (CCDC) team that won the Alamo Cup in the 2014 national competition; this team and the Collegiate Cyber Defense Club have a high percentage of IT students. UCF has about 60,000 students and is the nation's second largest university. Located in Orlando, UCF is at the center of the I-4 High Tech Corridor. The corridor has an excellent industrial base that includes: software, defense, space, simulation and training, and a world-renowned entertainment industry. Adjacent to UCF is a thriving research park that hosts more than 100 high-technology companies and the Institute for Simulation and Training. Great weather, easy access to the seashore, one of the largest convention centers in the nation, and one of the world's best airports are just a few features that make Orlando an ideal location. UCF is an equal opportunity/affirmative action employer. All qualified applicants are encouraged to apply, including minorities, women, veterans and individuals with disabilities. As a Florida public university, UCF makes all application materials and selection procedures available to the public upon request.

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

Professional Opportunities

University of Colorado Boulder

ATLAS Institute, College of Engineering and Applied Science

Assistant Professor, Creative Technologies

We seek a polymath tenure-track faculty member in the area of creative technologies. The successful candidate will establish and lead a high-risk, high-payoff research group in the ATLAS Institute, produce internationally recognized creative work, and develop relationships and collaborate with industry sponsors as well as colleagues from diverse disciplines. <https://www.jobsatcu.com/postings/90139>

The University of Colorado Boulder

College of Media, Communication and Information

Founding Dean of the College of Media, Communication and Information

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

The incumbent must be committed to excellence in undergraduate and graduate education; providing collaborative leadership both within and outside the College; working with campus leadership to execute a growth strategy that is congruent with the campus goals and budgeting processes; valuing and encouraging the contributions of varied and individual departments and programs,

both within CMCI and across other schools and colleges on campus; recruiting and retaining outstanding faculty members and staff; and supporting scholarly, research and creative activities. A key area of focus for the Dean will be fundraising to support the College and its departments and programs. Additionally, the Dean will also need to be productively engaged with other Deans to promote, where appropriate, forward thinking interdisciplinary programs that may involve significant cooperation between one or more of the campus' other schools and colleges.

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

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

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

University of Colorado Boulder

Department of Computer Science

Assistant Professor

The Department of Computer Science (CS) at the University of Colorado Boulder seeks outstanding candidates for multiple tenure-track positions. The openings are targeted at the level of Assistant Professor, although exceptional candidates at higher ranks may be considered. Research areas of particular interest include secure and

reliable software systems, numerical optimization and high-performance scientific computing, and network science and machine learning.

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

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

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

University Colorado Boulder

Tenure-Track Professor

The Institute of Cognitive Science at the University Colorado Boulder is seeking to hire a tenure-track professor at the Assistant level or a tenured professor at the Associate level. Institute research is focused in three strategic areas:

- Learning and Education: theories, communities, and technologies;
- Language Processing: computational and technological advances;
- Cognition and Cognitive Neuroscience: memory, executive function, language, affective, decision, social processes, brain-computer interaction.

We are looking for candidates with a strong research track record in one or more of these areas, whose work demonstrates both computational sophistication and a commitment to interdisciplinary research.

Applicants should have expertise in computational methods for the analysis

Professional Opportunities

and characterization of complex data sets in cognitive science, such as machine learning or network analysis (e.g., network topology, social networks, graph theory, brain or interpersonal dynamics). Cognitive scientists are at the forefront of exploiting the internet and massive data repositories (e.g., language corpora, neuroimaging collections, educational data logs) to advance understanding of learning and cognition. These data and methods for analyzing it are changing paradigms in the allied fields of cognitive science.

Applicants should demonstrate a strong capacity for, and a commitment to, interdisciplinary research and education. The Institute integrates faculty and researchers from seven departments – Computer Science, Education, Integrative Physiology, Linguistics, Philosophy; Psychology & Neuroscience; and Speech, Language and Hearing Sciences – and offers a Joint PhD in Cognitive Science and an affiliated field. Ideal candidates can collaborate with faculty across these departments and teach courses in cognitive science and an allied field(s). This vanguard characteristic should be evident in the applicant's publication history.

Applicants should have a Ph.D. in a field related to Cognitive Science.

For full consideration, applications should be completed by December 1, 2014 but will continue to be accepted until the position is filled.

Applications should include a current curriculum vitae, three letters of recommendation, statement of teaching philosophy, statement of research philosophy, publications demonstrating the characteristics described above, and a cover letter specifically addressing the applicant's match to the criteria described above. Applications are not considered complete until all letters of recommendation have been received.

Applications will only be accepted at: <http://www.jobsatcu.com/postings/89482>

University of Connecticut (UConn)

School of Engineering

Assistant/Associate/Full Professors

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

The research specialties of interest for the first position include, but are not limited to, big data analysis in genomics, genomics data interpretation, machine learning and visualization, biological databases, biomedical literature mining, bioinformatics, systems biology, and related areas. Successful applicants are expected to actively collaborate with the newly established UCONN Institute for Systems Genomics (<http://isg.uconn.edu>).

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

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

UConn is an EEO/AA employer.

University of Delaware, Newark, DE

Department of Computer and Information Sciences

Tenure-track Assistant Professor in Computer Systems

Applications are invited for a tenure-track assistant professor position in Computer Systems with particular emphasis on High Performance Computing, Cloud Computing, Cybersecurity, and Big Data Analytics to begin Fall 2014. Applicants should hold a Ph.D. or its equivalent. We seek 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.

The Department has 22 tenure-track, 3 teaching, and 6 research faculty members, about 125 graduate students and 250 undergraduate students. We have significant external funding, including grants from NSF, NIH, DOE, Army, and Air Force. The wide array of departments, centers and institutes affiliated with the University, e.g., Delaware Biotechnology Institute (www.dbi.udel.edu), Center for Bioinformatics & Computational Biology (bioinformatics.udel.edu), and Army CECOM Research Development and Engineering Center at Aberdeen Proving Ground (www.cerdec.army.mil) offer ample opportunities for inter-disciplinary collaboration.

One of the oldest institutions of higher education in this country, the University of Delaware today ranks among the nation's top 100 universities in federal R&D support for science and engineering. 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. The recently rehabilitated 272-acre Science, Technology and Advanced Research (STAR) Campus and the new state-of-the-art

Professional Opportunities

194,000-square-foot Interdisciplinary Science and Engineering (ISE) Laboratory offer a wealth of options for related research and teaching. More information about the Department and the University is available at <http://www.cis.udel.edu> and <http://www.udel.edu/aboutus/>, respectively.

Applications should be submitted at <http://apply.interfolio.com/27396> and include cover letter (addressed to: Dr. Michela Taufer, Faculty Search Committee Chair), a vita including a list of references with contact information, a statement on research and a statement on teaching. The committee will begin reviewing applications on January 1, 2015 and will continue until the position is filled.

Applications should consist of a short cover letter, curriculum vitae, separate statements of research and teach interests, and the names and contact information of four references. Review of applications will begin immediately and will continue until the position is filled. We desire to fill the position by September 1, 2015, but will consider later dates. For additional information about this position, please contact the Search Committee Chairperson at taufer@udel.edu.

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 Georgia

Assistant Professor

The College of Engineering and the Telecommunications Department and the New Media Institute in the Grady College of Journalism and Mass Communication at the University of Georgia seeks to jointly hire an Assistant Professor with an expertise in interactive media for an interdisciplinary position in media technology development. This is a tenure track appointment with shared teaching responsibilities in both Colleges. A Ph.D. in engineering, with an emphasis on media technology, or any related fields is required. Consideration of

applications will begin on November 15th and continue until the position has been filled.

Electronic applications are preferred and should include a letter of interest, vita, and the contact information for three references. Applications may be sent to: Dr. Scott A. Shamp, Director of the New Media Institute at the Grady College of Journalism, University of Georgia, 120 Hooper Street, Athens, GA 30602, sshamp@uga.edu, 706.542.0893.

Additional information on application requirements and procedures can be found at: <http://grady.uga.edu/about/faculty>.

The University of Georgia is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, or protected veteran status.

University of Houston

Department of Computer Science

Faculty Position

The Department of Computer Science at the University of Houston (www.cs.uh.edu) invites applications for one tenure-track

Cybersecurity Research Positions in Singapore

The University of Illinois **Advanced Digital Sciences Center (ADSC)** in Singapore is seeking full-time research staff (research scientist, postdoctoral fellow, research engineer) for the following projects under its Cybersecurity program:

- A Cyber-Physical Approach to Securing Urban Transportation Systems
- Towards a Resilient Smart Power Grid: A Testbed for Design, Analysis, and Validation of Power Grid Systems
- Next-Generation Security Solutions for Protecting Critical Networks and Devices in the Smart Grid

Applicants should possess a BS, MS, or PhD in computer engineering, computer science, electrical engineering, or a related field. We seek candidates with expertise in one or more of the following areas: (i) computer and network security, (ii) cyber-physical systems, (iii) control theory and systems, (iv) wireless and mobile communications, (v) threat modelling, security, and risk assessment. Multiple positions are available immediately and will remain open until filled. Interested candidates should submit their curriculum vitae, cover letter, and three references. Further information and the on-line application are available at <http://adsc.illinois.edu/opportunities/adsc-employment-opportunities>

About ADSC: Based in Singapore's science and engineering research complex in Fusionopolis, ADSC is led by outstanding faculty from the College of Engineering at the University of Illinois at Urbana-Champaign, with core funding provided by Singapore's Agency for Science, Technology and Research (A*STAR). More information is available at <http://adsc.illinois.edu/>



Professional Opportunities

faculty position at Assistant Professor level starting in Fall 2015. The Department is in a phase of significant growth in enrollments, sponsored research, and faculty size. The current search is focused on the following research areas: Computer and Information Security, Software Design, and Health Computing. However, outstanding candidates in other areas will be considered. Applicants should hold a doctoral degree in Computer Science, Computer Engineering, or a closely related field.

The Department places a strong emphasis on research and the Ph.D. program with world-renowned research groups in Computer Systems (cyber-physical systems, high performance computing, networks, real-time systems, security), Data Analytics (big-data analysis, data mining, database systems, information retrieval, machine learning, natural language processing), Computational Life Sciences (biomedical image analysis, biometrics, medical robotics), and Visual Computing (graphics, gaming, visualization). The Department's research combines advances in core computer science areas with pace-setting multi-disciplinary programs in computational medicine, biology, and psychology. The combination of fundamental research and innovations has led to numerous local, national and international collaborations, the strongest of which are with the Texas Medical Center and the Houston energy industry.

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

research laboratories have joint programs with laboratories from the local medical schools and hospitals, NASA, and the local high-tech industry.

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

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

University of Illinois at Chicago

Department of Computer Science

Multiple Faculty Positions

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

- (a) One position in Big Data, where our focus ranges from data management and analytics to visualization and applications involving large volumes of data.
- (b) Two positions in Computer Systems, where we are looking for candidates whose work is experimental and related to one or more of the following topics: operating systems, networking, distributed computing, mobile systems, programming languages and compilers, security, software engineering, and other broadly related areas.
- (c) One position for which candidates from all other areas will be considered.

The University of Illinois at Chicago (UIC) ranks among the nation's top 50 universities in federal research funding and is ranked

4th best U.S. University under 50 years old by Times Higher Education. The Computer Science department has 24 tenure-track faculty representing major areas of computer science, and offers BS, MS and PhD degrees. Our faculty includes ten NSF CAREER award recipients. We have annual research expenditures of \$8.4M, primarily federally funded. UIC is an excellent place for interdisciplinary work—UIC houses the largest medical school in the country, and our faculty are engaged with several cross-departmental collaborations with faculty from health sciences, social sciences and humanities, urban planning, and the business school. UIC has an advanced networking infrastructure in place for data-intensive scientific research that is well-connected regionally, nationally and internationally. UIC also has strong collaborations with Argonne National Laboratory and with the National Center for Supercomputing Applications, with programs in place for faculty members to apply for time on their high-performance supercomputing systems.

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

Applications must be submitted at <https://jobs.uic.edu/>. Please include a curriculum vitae, teaching and research statements, and names and addresses of at least three references in the online application. Applicants needing additional information

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may contact the Faculty Search Chair at search@cs.uic.edu.

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

University of Illinois at Chicago

Department of Computer Science

Faculty - Tenure Track - Computer Science

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

We are looking to fill:

- (a) One position in Big Data, where our focus ranges from data management and analytics to visualization and applications involving large volumes of data.
- (b) Two positions in Computer Systems, where we are looking for candidates whose work is experimental and related to one or more of the following topics: operating systems, networking, distributed computing, mobile systems, programming languages and compilers, security, software engineering, and other broadly related areas.
- (c) One position for which candidates from all other areas will be considered.

The University of Illinois at Chicago (UIC) ranks among the nation's top 50 universities in federal research funding and is ranked 4th best U.S. University under 50 years old. The Computer Science department has 24 tenure-track faculty representing major areas of computer science, and offers BS, MS and PhD degrees. Our faculty includes ten NSF CAREER award recipients.

We have annual research expenditures of \$8.4M, primarily federally funded. UIC is an excellent place for interdisciplinary work—with the largest medical school in the country and faculty engage in several cross-departmental collaborations with faculty from health sciences, social sciences and humanities, urban planning, and the business school. UIC has an advanced networking infrastructure in place for data-intensive scientific research that is well-connected regionally, nationally and internationally. UIC also has strong collaborations with Argonne National Laboratory and the National Center for Supercomputing Applications, with UIC faculty members able to apply for time on their high-performance supercomputing systems.

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

The University of Illinois is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply.

University of Illinois at Chicago

Department of Computer Science

Non-tenure Track Full Time Teaching Faculty

The Computer Science Department at the University of Illinois at Chicago is seeking one or more full-time, non-tenure track teaching faculty members beginning Fall 2015. The department is committed to effective teaching, and candidates would be working alongside five full-time teaching faculty with over 75 years of combined teaching experience and 10 awards for excellence in teaching. Content areas of interest include introductory programming/data structures, theory/algorithms, artificial intelligence, computer systems, and software design. The teaching load is three undergraduate courses per semester, with a possibility of teaching at the graduate level if desired. Candidates must hold a master's degree or higher in Computer Science or a related field, and have demonstrated evidence of effective teaching.

The University of Illinois at Chicago (UIC) is ranked in the top-5 best US universities under 50 years old (Times Higher Education), and 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, it offers an outstanding array of cultural and culinary experiences. As the birthplace of the modern skyscraper, Chicago boasts one of the world's tallest and densest skylines, combined with an 8100-acre park system and extensive public transit and biking networks. Its airport is the second busiest in the world, with frequent non-stop flights to most major cities. Yet the cost of living, whether in a high-rise downtown or a house on a tree-lined street in one of the nation's finest school districts, is surprisingly low.

Minimum qualifications include a Master's degree or higher in Computer Science or a related field and demonstrated evidence of effective teaching.

Professional Opportunities

Applications are submitted online at <https://jobs.uic.edu/>. In the online application, please include your curriculum vitae, the names and addresses of at least three references, a statement providing evidence of effective teaching, and a separate statement describing your past experience in activities that promote diversity and inclusion and/or plans to make future contributions. Applicants needing additional information may contact Professor Joe Hummel, Search Committee Chair, jhummel2@uic.edu.

For fullest consideration, please apply by January 15, 2015. We will continue to accept and process applications until the positions are filled. UIC is an equal opportunity and affirmative action employer with a strong institutional commitment to the achievement of excellence and diversity among its faculty, staff, and student body. Women and minority applicants, veterans and persons with disabilities are encouraged to apply, as are candidates with experience with or willingness to engage in activities that contribute to diversity and inclusion.

University of Illinois at Urbana-Champaign

College of Engineering: Professor (Open Rank) - Computer Science

The Department of Computer Science (CS) at the University of Illinois at Urbana-Champaign invites applications for faculty positions at all levels and in all areas of CS, but with particular emphasis in the areas of: Machine Learning, Theoretical Computer Science, Programming Languages, Computer Systems (including trustworthy computing, distributed, cloud, mobile, OS), Computer Architecture and Parallel Processing. Applications are encouraged from candidates whose research programs are in traditional as well as in nontraditional and interdisciplinary areas of computer science. The department is engaged in exciting

new and expanding programs for research, education, and professional development, with strong ties to industry.

Applicants for positions at the assistant professor level must have an earned Ph.D. or equivalent degree, excellent academic credentials, and an outstanding ability to teach effectively at both the graduate and undergraduate levels. Successful candidates will be expected to initiate and carry out independent research and to perform academic duties associated with our B.S., M.S., and Ph.D. programs. Senior level appointments with tenure are available for persons of international stature.

Faculty in the department carry out research in a broad spectrum of areas and are supported by world-class facilities, starting with our department's home in the Siebel Center for Computer Science, and including collaborations with the National Center for Supercomputing Applications, the Coordinated Science Laboratory, the Information Trust Institute, the Parallel Computing Institute, the Beckman Institute for Advanced Science and Technology, the Institute for Genomic Biology, as well as several industrial centers and programs that foster international collaborations. The department has one of the leading programs in the United States, granting approximately 200 B.S. degrees, 70 M.S. degrees, and 60 Ph.D. degrees annually.

If qualified, candidates may be hired as a Blue Waters Professor. Blue Waters Professors will be provided substantial allocations on and expedited access to the Blue Waters supercomputer. Blue Waters is one of the most powerful supercomputers in the world, supported by the National Science Foundation and developed and run by the University of Illinois' National Center for Supercomputing Applications (NCSA). If you are interested in being considered for this unique opportunity, be sure to include Blue Waters as one of your preferred research

areas when prompted during your online application process and include a reference to Blue Waters in your cover letter.

Qualified senior candidates may also be considered for tenured full Professor positions as part of the Grainger Engineering Breakthroughs Initiative, which is backed by a \$100-million gift from the Grainger Foundation. Over the next few years, more than 35 new endowed professorships and chairs will be established, which will provide incredible opportunities for world-renowned researchers. The two main research areas are Big Data and Bioengineering. More information regarding the Grainger Initiative can be found at: <http://graingerinitiative.engineering.illinois.edu>.

In order to ensure full consideration, applications must be received by January 5, 2015. Applicants may be interviewed before the closing date; however, no hiring decision will be made until after that date. Salary will be commensurate with qualifications. Preferred starting date is August 16, 2015, but is negotiable. 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 three references. For inquiry, please call 217-244-7949 or email HR@cs.illinois.edu.

Illinois is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, religion, color, national origin, sex, age, status as a protected veteran, or status as a qualified individual with a disability. Illinois welcomes individuals with diverse backgrounds, experiences, and ideas who embrace and value diversity and inclusivity (www.inclusiveillinois.illinois.edu). We have an active and dual-career partner replacement program and a strong commitment to work-life balance and family-friendly programs for faculty and staff (<http://provost.illinois.edu/worklife/index.html>).

Professional Opportunities

The University of Iowa

Tippie College of Business - Management Sciences Department

Faculty Position: Open Rank (Tenure Track)

The Management Sciences Department is recruiting for an open rank tenure track position in business analytics starting in Fall 2015. Areas of interest include but are not limited to data science, data mining, text/web/social media analytics, and data visualization.

Candidates should have a Ph.D. in Information Systems, Informatics, Information Sciences, Computer Science, Management Science or a related field and exhibit exceptional research and teaching promise. The Management Sciences department offers undergraduate and doctoral programs in Business Analytics and Information Systems (BAIS). The department has recently started a Graduate Certificate in Business Analytics. The department teaches additional BAIS courses for MBA and MAC students. Extensive collaborative opportunities are available with faculty and doctoral students in other departments and interdisciplinary programs such as the Iowa Informatics Initiative.

Applications are accepted online through Jobs@UIOWA at <http://jobs.uiowa.edu/jobSearch/faculty>, reference Requisition #65596. All applicants should submit a cover letter, curriculum vita, statement of research interests, statement of teaching interests, three references, and 1-3 research papers online. Salary is competitive and commensurate with qualifications. Application screening will begin by January 12, 2015.

The University of Iowa is an Equal Opportunity/Affirmative Action Employer; women, minority applicants are encouraged to apply and will receive consideration for employment free from discrimination on the basis of race, creed, color, national origin, age, sex, pregnancy, sexual orientation,

gender identity, genetic information, religion, associational preference, status as a qualified individual with a disability, or status as a protected veteran.

The University of Iowa

Computer Science Department

Assistant Professor Positions, Fall 2015

The Computer Science Department invites applications for two tenure-track faculty at the level of assistant professor starting August 19, 2015.

The first position is part of a college-wide interdisciplinary effort in the **digital arts**. We seek candidates with scholarly interests in areas such as real-time animation, interactive graphics, computer-mediated communication, social computing, human-computer interaction, embedded systems, mobile or ubiquitous computing, design, tools for making and repurposing digital artifacts, maker culture, information visualization, and/or multi-agent interactive systems. Experience with applications in areas such as transmedia, interactive narratives, social, health, mobile, or educational games is also desirable.

The second position is part of an institution-wide initiative in **informatics**. Of particular interest are candidates with scholarly interests in security and privacy, including cryptography, anonymity, the design and analysis of protocols, formal protocol verification, static program analysis for security, sensor or embedded systems security, the semantics of access controls and systemic regulation of security and/or security for safety-critical applications. A background in embedded systems, smart sensors, cloud computing, real-time communication protocols, formal methods or other systems-oriented areas is also desirable, as is an interest in collaborative applications-oriented research. Also of interest are candidates working in text

analytics, visualization, or other informatics-related areas.

Duties for both positions include conducting externally funded research in the candidate's area of expertise, teaching undergraduate and graduate computer science and/or informatics courses, supervising graduate student research, and making service contributions to the Department, the College, the University, and the discipline. Successful candidates must demonstrate potential for research and teaching excellence in the environment of a major research university. They will also be expected to participate actively in their respective multidisciplinary initiatives in digital arts and/or informatics. New faculty with expertise in computer science will complement the University's considerable existing expertise in these areas to form the core of these innovative multidisciplinary initiatives. Participation in these cluster initiatives will be an important component in performance evaluations.

Applications should contain a CV, a research and teaching statement, and three letters of recommendation. For additional information and to apply online, visit <http://www.cs.uiowa.edu/hiring/>. Applications received by January 1, 2015, are assured of full consideration.

Required Qualifications: Candidates must hold a PhD in computer science, informatics, or a closely related discipline at time of appointment. Appointments will be made within the Computer Science Department, which offers BA, BS, MCS, and PhD degrees in computer science, and BA and BS degrees in Informatics.

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

About Iowa: With just over 30,000 students, the University of Iowa is one of the nation's top public research universities, a member of the Big Ten conference since 1899, and

Professional Opportunities

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 70,000 people that is widely recognized as one of the country's most livable communities, the University offers over 200 majors and an annual externally funded research budget of over \$500M.

The Department of Computer Science and the College of Liberal Arts and Sciences are strongly committed to diversity; the strategic plans of the University and College reflect this commitment. All qualified applicants are encouraged to apply and will receive consideration for employment free from discrimination on the basis of race, creed, color, national origin, age, sex, pregnancy, sexual orientation, gender identity, genetic information, religion, associational preference, status as a qualified individual with a disability, or status as a protected veteran. The University of Iowa is an equal opportunity / affirmative action employer.

The University of Iowa

Computer Science Department

Open Lecturer Position, Fall 2015

The Computer Science Department invites applications for the position of Lecturer starting August 19, 2015. This is a full-time, renewable three-year academic appointment (appointments at reduced levels may also be possible).

Duties include teaching up to three courses per semester chosen from a wide range of predominantly undergraduate courses, including principles of computer science and programming, object-oriented software development, software engineering and databases. In addition, the lecturer will participate in advising, curriculum development, and lab supervision. Appointments will be made within the

Computer Science Department, which offers BA, BS, MCS, and PhD degrees in computer science, and BA and BS degrees in informatics.

Applications should contain a CV, a teaching statement, and three letters of recommendation. For additional information and to apply online, visit <http://www.cs.uiowa.edu/hiring/>. Applications received by February 1, 2015, are assured of full consideration.

Required Qualifications: Candidates must hold a PhD in computer science or a closely related discipline at time of appointment. Successful candidates will have demonstrated teaching ability at the college level and foundational knowledge in core computer science areas.

Desirable Qualifications: Desirable qualifications include experience with online, distance, or mixed mode instruction. Of particular interest are those candidates with experience in software development and software engineering; prior industrial software development/engineering experience is a plus.

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 70,000 people that is widely recognized as one of the country's most livable communities, the University offers over 200 majors and an annual externally funded research budget of over \$500M.

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University of Louisiana at Lafayette

Faculty Position

The School of Computing and Informatics at the University of Louisiana at Lafayette invites applications for a faculty position at the Assistant Professor level. The successful applicant will hold a PhD in Computer Science or a closely related field and have a demonstrated commitment to undergraduate computer science education and potential for establishing a research program. Responsibilities will include teaching, research, advising, and professional service. Preference will be given to candidates with expertise in: foundation courses in theoretical computer science, cyber security, and software engineering.

Applicants should send a CV, a statement of teaching and research interests, and contact information for three professional references to the chair of the search committee at cmeps@louisiana.edu.

University of Maryland, Baltimore County

Computer Science and Electrical Engineering Department

Two Tenure Track Assistant Professor Positions, Computer Science

We invite applications for two tenure track positions in Computer Science at the rank of Assistant Professor to begin in August 2015. All areas will be considered, but we are

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especially interested in candidates in security and big data with emphasis on machine learning, systems, and vision/graphics. Exceptionally strong candidates at the Associate Professor level will be considered.

Submit a cover letter, brief statement of teaching and research experience and interests, CV, and three letters of recommendation. See <http://apply.interfolio.com/26421> for more information about this search.

UMBC is an AA/EOE.

University of Maryland Baltimore County (UMBC)

*Department of Computer Science and
Electrical Engineering*

Computer Science Lecturer Position

The Department of Computer Science and Electrical Engineering (CSEE) at the University of Maryland Baltimore County (UMBC) invites applications for several non-tenure track lecturer positions in computer science to begin in Spring 2015 (January 2015) or Fall 2015 (August 2015). Primary duties will include teaching computer science courses at the undergraduate level. Candidates with interest and experience in all areas of computer science will be considered. Applicants should have an MS or a PhD in computer science or a closely-related field. Ideal candidates will have evidence of strong teaching and administrative skills. Experience in academia, industry and government will be considered in the evaluation of the candidate.

About the department: CSEE is one of the largest departments in UMBC with 30 tenure-track faculty, 6 non-tenure track teaching faculty and 12 research faculty. The department currently has about 1400 undergraduate computer science and computer engineering majors and 250 graduate students in three core programs: computer science, computer engineering

and electrical engineering. The department also manages a graduate program in cybersecurity. For more about the CSEE Department and UMBC, please visit www.csee.umbc.edu.

To apply: Submit a cover letter, a brief statement of teaching, academic, industrial or government experience, and complete CV at: apply.interfolio.com/26422.

Only applications submitted via this site will be considered. Applicants should arrange for three letters of reference to be sent via the same website. Applications will be reviewed as they are received. For best consideration, apply by November 15, 2014. Applications will be accepted until the positions are filled.

UMBC is an Equal Opportunity/Affirmative Action Employer and is a recent recipient of a National Science Foundation ADVANCE award to promote hiring and advancement of women in science and engineering. We welcome applications from women, minorities, veterans and individuals with disabilities.

University of Massachusetts Amherst

*Lecturer Position in the School of
Computer Science*

The School of Computer Science at the University of Massachusetts Amherst invites applications for a full-time, nine-month, non-tenure-track faculty position at the rank of Lecturer for the 2015-2016 academic year.

Primary responsibilities include teaching up to six courses per year for majors and non-majors, curriculum development, undergraduate advising, as well as additional administrative and scholarly duties as determined by the Chair of the School.

Applicants must have a Ph.D. in Computer Science, Computer Engineering or a closely related field, and have a strong interest in, or a proven record of excellence in teaching undergraduate computer science

courses, especially undergraduate courses in software engineering and systems.

Successful applicants will find the School of Computer Science to be a stimulating, diverse environment conducive to professional growth in both teaching and research. Lecturers are considered an essential part of the faculty and participate in faculty meetings and school decisions. Amherst, a historic New England town, is the center of a vibrant and culturally rich area that includes four other colleges. For more information about the school, visit <http://www.cs.umass.edu/>.

The initial appointment to this position will be for one year, with the possibility of reappointment for subsequent periods.

Interested candidates should apply online at <http://umass.interviewexchange.com/jobofferdetails.jsp?JOBID=53814>.

Please submit a cover letter, a curriculum vitae, description of teaching experience, and the names and contact information for at least three references. Review of applications will begin on December 1, 2014 and may continue until a suitable candidate pool has been identified.

The University of Massachusetts Amherst is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans, and individuals with disabilities and encourages applications from these and other protected group members.

University of Massachusetts Amherst

*School of Computer Science
Assistant Professor Positions*

The School of Computer Science at the University of Massachusetts Amherst invites applications for tenure-track positions starting in the 2015-2016 academic year. The subareas of interest include 1) Theoretical Computer Science 2) Robotics and Artificial

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Intelligence, and 3) Systems with an emphasis on security, mobile systems, and software engineering.

We are seeking talented applicants qualified for Assistant Professor positions. Under exceptional circumstances, highly qualified candidates at other ranks may receive consideration. Applicants must have a Ph.D. in Computer Science or a related area and should show evidence of exceptional research promise.

Our school is highly supportive of junior faculty, providing both formal and informal mentoring. Many of our faculty are involved in interdisciplinary research, working closely with other departments including statistics/mathematics, linguistics, electrical and industrial engineering, biology, physics, and nursing, as well as new "green" initiatives. Amherst, a historic New England town, is the center of a vibrant and culturally rich area that includes four other colleges. For more information about the school, visit <http://www.cs.umass.edu>.

Applicants should submit a cover letter, a curriculum vita, research statement, statement of teaching interests, and the names and contact information for at least three references using the submissions link specific to the position.

<http://umass.interviewexchange.com/jobofferdetails.jsp?JOBID=53283> (for theory)

<http://umass.interviewexchange.com/jobofferdetails.jsp?JOBID=53287> (for AI)

<http://umass.interviewexchange.com/jobofferdetails.jsp?JOBID=53286> (for systems)

Review of applications will begin on December 1, 2014 and may continue until a suitable candidate pool has been identified. Rank and salary will be commensurate with qualifications and experience. Inquiries and requests for more information can be sent to: facrec@cs.umass.edu

The university is committed to active recruitment of a diverse faculty and student body. The University of Massachusetts Amherst is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans, and individuals with disabilities and encourages applications from these and other protected group members. Because broad diversity is essential to an inclusive climate and critical to the University's goals of achieving excellence in all areas, we will holistically assess the many qualifications of each applicant and favorably consider an individual's record working with students and colleagues with broadly diverse perspectives, experiences, and backgrounds in educational, research or

other work activities. We will also favorably consider experience overcoming or helping others overcome barriers to an academic degree and career.

University of Massachusetts Boston

Assistant Professor in Computer Science

The Computer Science Department at the University of Massachusetts Boston invites applications for a full-time tenure-track Assistant Professor in Computer Security, to begin September 1, 2015. We offer an ABET-accredited BS in Computer Science, a BS in Information Technology, an MS with



College of Engineering Department of Electrical and Computer Engineering University of Miami, Coral Gables, Florida Faculty Openings at All Professional Levels

The College of Engineering at the University of Miami (UM) invites applications for several tenure-track positions at all levels. The College is seeking candidates with a strong record of scholarship and external funding, a demonstrated excellence in teaching, and commitment to services. For senior-level appointments, a proven record of extramural funding support is required. The College includes five academic departments, 850 undergraduates, 250 graduate students, and 80 faculty, who have garnered national and international awards including election to the National Academy of Engineering. **Our current recruitment is focused on the areas: (1) Cyber security, cloud computing, and applied cryptography with emphasis on systems; (2) Novel computer architectures, mobile and embedded systems; and (3) Robotics and (4) power electronics.**

At UM, collaboration is a hallmark of the faculty's activities, including joint research with colleagues in the Miller School of Medicine, the Rosenstiel School of Marine and Atmospheric Science, the College of Arts and Sciences, the School of Education and the School of Nursing and Health Sciences.

A Ph.D. in engineering, science or a related discipline and one year work related experience is required prior to the appointment. Qualified applicants should mail (a) a letter of interest, (b) a resume and (c) at least three letters of reference to:

Dr. Shihab Asfour, Associate Dean for Academics

College of Engineering
University of Miami

1251 Memorial Drive, McArthur Engineering Bldg., Room 247
Coral Gables, FL 33146.

sasfour@miami.edu

The University of Miami offers competitive salaries and a comprehensive benefits package including medical and dental benefits, tuition remission, paid holidays and much more. The University of Miami is an Equal Opportunity/Affirmative Action Employer.

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an emphasis on software engineering, and a Ph.D. in Computer Science. Current faculty interests include bioinformatics, computer and human vision, data mining, databases, graphics, networks, security, software engineering, system modeling, and theoretical computer science. Our campus overlooks Boston harbor; our faculty and students enjoy professional life in a center of academia and the software industry. For more information, visit us at <http://www.cs.umb.edu>

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

To apply, please submit a cover letter, curriculum vitae, statements about research and teaching, and the names and email addresses of three references to: <http://umb.interviewexchange.com/candapply.jsp?JOBID=54410>.

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

UMass Boston provides equal employment opportunities (EEO) to all employees and applicants for employment.

University of Memphis

*Computer Science Department
Assistant Professor*

The Department of Computer Science at the University of Memphis is seeking candidates for multiple tenure-track Assistant Professor positions beginning Fall 2015; pending funding availability. Exceptionally qualified candidates in all areas of computer science are invited while candidates with expertise in machine learning, big data, databases, systems, networks, security and privacy, and software engineering, are particularly encouraged. Successful

candidates are expected to develop externally sponsored research programs, teach both undergraduate and graduate courses and provide academic advising to students at all levels.

Applicants should hold a PhD in Computer Science, or related discipline, and be committed to excellence in both research and teaching. Salary is competitive and dependent upon qualifications.

The Department of Computer Science (www.cs.memphis.edu) offers B. S., M.S., and Ph.D. programs as well as a graduate certificate in Information Assurance and an M.S. program in Bioinformatics (through the College of Arts and Sciences). The Department is ranked 55th in the nation among CS departments with federally funded research.

Application review begins December 1, 2014 and may continue until the positions are filled.

To apply, please visit <https://workforum.memphis.edu/>. Include a cover letter, curriculum vitae, statement of teaching philosophy, research statement, and three letters of recommendation. Direct inquiries to chayesl@memphis.edu.

A background check will be required for employment. The University of Memphis is an Equal Opportunity/Equal Access/Affirmative Action employer committed to achieving a diverse workforce.

University of Miami

Two Faculty Positions

The Department of Computer Science at the University of Miami invites applications for two faculty positions (Assistant/Associate rank) starting August 2015. Candidates must possess a Ph.D. in Computer Science or in a closely-related discipline. One position requires a strong research expertise in areas related to Human Computer Interaction (HCI): Intelligent Interfaces, Data and Information Visualization, or Integrated HCI Systems. The

second position requires strong research expertise in areas related to Knowledge Representation (KR): Technologies that support practical systems for the knowledge worker, or the development of systems that understand and extract knowledge in large real-world data sets.

The department encourages innovative interdisciplinary work with other units of the university, such as the science and engineering departments in the College of Arts and Sciences and the College of Engineering, the Miller School of Medicine, and the Center for Computational Sciences. The HCI position specifically entails work within the Visualization Program of the Center for Computational Sciences, to form collaborations across the University. The successful candidate will be expected to teach at both undergraduate and graduate levels and to develop and maintain an internationally recognized research program. To be considered at the Associate Professor level the candidate must have a proven record of successful independent teaching and research.

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

Review of applications will begin November 15, 2014 and continue until the position is filled. Information about the College can be found at <http://www.as.miami.edu/>.

The University of Miami offers competitive salaries and a comprehensive benefits package including medical and dental benefits, tuition remission, vacation, paid holidays and much more. The University of Miami is an Equal Opportunity 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.

Professional Opportunities

University of Miami

Tenure-Track Position in Big Data Analytics

The Management Science Department at the University of Miami's School of Business Administration has a tenure-track faculty position at the junior or advanced Assistant Professor level for the Fall of 2015. Applicants from all areas of Analytics will be considered, although primary consideration will be given to those with expertise in Big Data Analytics, specifically: MapReduce/Hadoop, Mahout, Cassandra, cloud computing, mobile/wearable technologies, social media analytics, recommendation systems, data mining and machine learning, and text mining. A PhD in computer science, operations research, statistics, or a related discipline by the start date of employment is required.

To apply, e-mail the following to facultyaffairs@bus.miami.edu: curriculum vitae, up to three publications, research and teaching statements, official graduate transcript, and three letters of recommendation.

Deadline: December 1, 2014.

The University of Michigan

School of Information

Assistant Professor/Tenure Track Positions

The School of Information at the University of Michigan (UMSI) seeks tenure-track professors at the assistant professor level in the fields of Human-Computer Interaction (HCI), and Information analysis, Information retrieval (IAR), or "big data."

While we encourage applications from any area of HCI, we are particularly interested in candidates with research and teaching experience in the design, building and testing of interactive systems, such as physical computational artifacts, mobile applications, online environments, or other kinds of devices or software. Such

a candidate will be well-versed in modern design practices and tools, new forms of interaction, evaluation, and/or designing for novel application domains.

While we encourage applications from all areas of information analysis and retrieval (IAR), we are particularly interested in candidates with strong interest and expertise in creating novel techniques for mining large-scale text, behaviors, and scientific data and in developing visualizations or other interactive tools for data analysis. Applications of particular interest include, but are not limited to, scientific and health data analysis, text analysis, social media analysis and digital humanities.

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

The mission of the School of Information is to create and share knowledge to help people use information – with technology – to build a better world. A successful candidate will be committed to, and will directly contribute to our goal of being the best research and teaching institution for the understanding and design of information and its technologies in service of people and society. The School is home to vibrant research and teaching programs, with 36 FTE professors, and over 400 students. We offer a PhD, a Master of Science in Information, a Master of Health Informatics (joint with the School of Public Health) and as of fall 2014, our own Bachelor of Science in Information.

Founded in 1817, the University of Michigan has a long and distinguished history as one of the first public universities in the nation.

It is one of only two public institutions consistently ranked among the nation's top ten universities. The University has one of the largest health care complexes in the world and one of the best library systems in the United States. With more than \$1 billion in research expenditures annually, the University has the second largest research expenditure among all universities in the nation. The University has an annual general fund budget of more than \$1.7 billion and an endowment valued at more than \$7.6 billion.

Qualifications:

- (HCI) Ph.D. in an area such as Information, Computer Science, Engineering, Design, or related fields
- (IAR) Ph.D. in an area such as computer science, information science, statistics, informatics, computational linguistics, or related fields concerned with information analysis and retrieval
- Demonstrated potential for successful teaching at the undergraduate and graduate level
- Demonstrated potential for high scholarly impact
- A strong commitment to teaching, interdisciplinary research, and cultural diversity

Review of applications will begin on **November 5, 2014** and continue until the positions are filled. In addition to this position, UMSI is also accepting applications for faculty positions in the area of **information analysis and retrieval, communication and technology** and health informatics.

For more information about each position, please visit: <https://www.si.umich.edu/aboutsi/open-faculty-positions>

To apply, please visit: <http://apply.interfolio.com/27183>

Professional Opportunities

The University of Minnesota - Twin Cities

Department of Computer Science and Engineering

Faculty Positions in Robotics, Sensors & Advanced Manufacturing

The Department of Computer Science and Engineering at the University of Minnesota-Twin Cities invites applications for multiple tenure-track faculty positions in support of a University-wide initiative (MnDRIVE) on robotics, sensors, and advanced manufacturing (<http://cse.umn.edu/mndrive>). Specific topics of interest for the positions include manipulation, locomotion, sensing and estimation, distributed decision making, machine learning, computer vision, robot design, algorithmic foundations, and embedded systems. Applicants from other areas will be considered as long as they address how their work fits into the MnDRIVE theme. Senior applicants will also be considered.

We encourage applications from women and under-represented minorities. Candidates should have a Ph.D. in Computer Science or a closely related discipline at the time of appointment.

The positions are open until filled, but for full consideration apply at <http://www.cs.umn.edu/employment/faculty> [www.cs.umn.edu] by December 15, 2014.

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

The University of Mississippi

Assistant Professor Position

The Department of Computer and Information Science at the University of Mississippi invites applications for a tenure-track Assistant Professor position.

An applicant must hold a PhD or equivalent in computer science or a closely related field by August 15, 2015. An applicant must

have the ability to teach both graduate and undergraduate students, conduct research in major areas of computer and information science, and supervise MS and PhD students. An applicant must provide evidence of research potential, effective communication skills, and a broad background in computing.

The Department has an ABET/CAC-accredited undergraduate program and MS and PhD programs. See the website <http://www.cs.olemiss.edu> for more information about the Department.

The University is located in Oxford, one of America's top-ranked college towns. Oxford has a wonderful small-town atmosphere with affordable housing and excellent schools.

Individuals may apply online at <http://jobs.olemiss.edu>. The applicant is asked to supply a cover letter, curriculum vitae, research and teaching statements, and contact information for four references. Review of applications will begin immediately and continue until the position is filled or an adequate applicant pool is reached.

The University of Mississippi is an EOE/AA/Minorities/Females/Vet/Disability/Title VI/Title IX /504/ADA/ADEA employer.

University of Nebraska at Omaha

College of Information Science and Technology

Faculty Positions in Big Data Sciences

The College of Information Science and Technology (IS&T) at the University of Nebraska at Omaha invites applications for two tenure-track/tenured positions as a part of the college wide big data recruitment initiative for a series of hires across several departments with opportunities for joint and inter-disciplinary collaborations. Candidates may apply as appropriate for their research interests to one or both of the following positions.

Computer Science

Applications are sought for a tenure-track position at the rank of Assistant/Associate Professor. The successful candidate will have completed a doctorate in computer science or related disciplines, have a strong potential to generate external research and development grants, and engage in teaching. Applicants must have a demonstrated record of high quality research in foundational aspects of large scale data analysis and computation. The department is interested in candidates working in algorithms, architectures, or systems in areas including data mining, data visualization, databases, cloud/high performance, and statistical/machine learning. Candidates particularly interested in the large scale data applications pertaining to learning analytics, social networking, and network sciences are highly encouraged to apply at http://bit.ly/2014CS_BD

Information Systems

Applications are sought for a tenure-track position at the rank of Assistant/Associate Professor. The successful candidate will have completed a doctorate in information systems, decision science, or related disciplines and have strong potential to engage in high quality research and teaching and generate external research and development grants in the area of big data analytics. Candidates particularly interested in big data management and decision support, big data quality, and the impact of big data on organizations and societies are highly encouraged to apply at http://bit.ly/2014ISQA_BD.

The College of IS&T has nearly 60 full-time tenure track faculty/staff and an active research grants portfolio of \$10 million with funds from federal agencies (e.g., NSF, NIH, Dept of Ed), state government (e.g., NRI, NSF EPSCoR), a number of local and national corporations and foundations. The College of IS&T offers five undergraduate degrees, four masters degrees, and an innovative

Professional Opportunities

college wide PhD degree. The college of IS&T serves over 1,000 total students with more than 300 graduate students and 700 undergraduate students.

To apply, please visit one of the Web links above or, create your account and apply for the position. Cover letter, curriculum vita and list of references must be attached to the electronic application. If you have any additional questions, please contact:

Dr. Mahadevan Subramaniam
Dept. of Computer Science
email: msubramaniam@unomaha.edu
Phone: (402) 554-4984

Dr. Peter Wolcott
Dept. of Information Systems and
Quantitative Analysis
email: pwolcott@unomaha.edu
Phone: (402) 554-3158

The university and college have a strong commitment to achieving diversity among faculty and staff. We are particularly interested in applicants from underrepresented groups and strongly encourage women and persons of color to apply.

The University of Nebraska at Omaha does not discriminate in its academic, employment or administration policies and abides by all federal, state and regental regulations pertaining to same. Employment eligibility verification is required for all new hires. UNO provides reasonable accommodation for the known disabilities of applicants and employees, unless to do so would pose an undue hardship. If you need accommodation in order to complete the application process or to perform any essential element of the position sought, please contact the A-line Affirmative Action Office in the Office of Academic & Student Affairs. Address: Eppley Administration Building 202, University of Nebraska at Omaha, Omaha NE 68182-0185. Telephone: 402/554-2262, FAX 402/554-4896

University of Nebraska at Omaha

College of Information Science and Technology

Faculty Position in Computer Science

The Department of Computer Science at the University of Nebraska at Omaha (UNO) invites applications for a tenure-track

position in the area of software engineering at the rank of Assistant Professor. The department is particularly interested in large scale software development/production, empirical software engineering, global software development, requirements engineering, software architecture, software evolution, and software security/reliability. Exceptional candidates in other areas will



Assistant, Associate or Full Professor Department of Computer Science

The Department of Computer Science at the University of North Carolina at Charlotte (<http://cs.uncc.edu/>) is seeking candidates for a full-time, 9-month non-tenure-track Teaching Professor position at the rank of teaching assistant, associate or full professor. The appointment will be for three or five years, depending on rank, and is eligible for renewal. A Ph.D. in Computer Science or a closely related field is required. Applicants are expected to provide evidence of high quality teaching and educational innovation. Teaching faculty engage in curriculum development and innovation, scholarship of teaching, student recruitment, advising and service. While we seek applications from candidates who can teach mainstream CS courses (data structures, languages, systems, etc.) at both graduate and undergraduate levels, further specialization in an advanced area (machine learning, cloud computing, natural language processing, etc.) would be viewed positively.

UNC Charlotte is North Carolina's urban research university. Located in the state's largest metropolitan area, UNC Charlotte is among the fastest growing universities in the UNC System and nationwide. The Department of Computer Science is experiencing significant growth in student numbers and externally funded research. The Department doubled its size over the past 6 years and is currently the academic home for over 1,200 students pursuing BA, BS, MS, and PhD degrees. The Department of Computer Science is one of three Departments in the College of Computing and Informatics. Through the Center for Education Innovation, the College and its departments are committed to innovative approaches to CS education, innovation and research that improve the quality of our graduates.

Anticipated start is Fall 2015. Applications must be made electronically at <https://jobs.uncc.edu> (Position No. 1757) and must include vita, teaching statement with evidence of teaching excellence, and complete contact information for three references. Finalists will be asked to forward official transcripts and other supportive materials as requested by the search committee. For additional information, contact: **Dr. Barry Wilkinson** (abw@uncc.edu).

As an EOE/AA employer and an ADVANCE Institution that strives to create an academic climate in which the dignity of all individuals is respected and maintained, the University of North Carolina at Charlotte encourages applications from all underrepresented groups. All finalists are subject to criminal background checks.

Professional Opportunities

also be considered. The selected candidate should have strong potential to conduct high-quality research, procure funding, and be committed to teach software engineering both at the undergraduate and graduate levels. Willingness to engage with local industries is a plus. Candidates must have received a doctorate in computer science or a closely related field prior to the employment start date.

We invite candidates to visit the college web site at <http://www.ist.unomaha.edu> for more information.

To apply, please visit the UNO careers web site at <http://www.unomaha.edu/humanresources/employment.php>, create your account and apply. Cover letter, curriculum vita, statements of research and teaching, and list of references must be attached to the electronic application. If you have any additional questions, please contact Dr. Mahadevan Subramaniam, Chair Search Committee.

Email: msubramaniam@unomaha.edu
Phone: (402) 554-4984

The University of Nebraska at Omaha does not discriminate in its academic, employment or administration policies and abides by all federal, state and regional regulations pertaining to same. Employment eligibility verification is required for all new hires.

University of Nebraska-Lincoln

*Department of Electrical and
Computer Engineering*

*Tenure-Track Assistant/Associate/
Full Professor*

The Department of Electrical and Computer Engineering (ECE) at the University of Nebraska-Lincoln (UNL) (<http://engineering.unl.edu/ece>) invites applications for one or more tenure-track faculty positions at any rank in the area of "Big Data". This area has been identified as a major thrust for inter-disciplinary research and education.

Specifically candidates must have expertise in enabling technologies as well as in domain sciences that deal with the acquisition, use and management of digital data.

The UNL College of Engineering is undergoing an exciting period of significant growth, related in part to the University joining the Big Ten Conference in 2011. The College

anticipates hiring 100 new faculty in the next five years. An allocation of \$2.5 million has been authorized for new faculty hires to start in Fall 2015, and this level of funding is expected to continue for several years. A major focus of the College's teaching, research and outreach enterprise in the coming decade will be on strengthening



Assistant/Associate Professor in Data Science and Analytics Department of Computer Science

The Department of Computer Science at the University of North Carolina at Charlotte (<http://cs.uncc.edu/>) is seeking candidates in the enabling areas of Data Science and Analytics, for a tenure-track position at the rank of assistant or associate professor. The Department is seeking applicants with specialization in data-science related areas of computer science including scalable analytics (machine learning, large graph mining, mining of stream data, text analytics, etc.) and computational statistics (exploratory methods, analysis of very large datasets, stochastic modeling and other computationally-intensive methods). Candidates must hold a PhD degree in Computer Science or a closely related discipline, have demonstrated excellence in research and be committed to excellence in teaching. Successful candidates will be expected to teach undergraduate and graduate courses, conduct research in their fields of expertise and participate in interdisciplinary Data Science activities. Experience with industry partnerships is expected for mid-career appointments and will be considered a plus for junior level appointments.

UNC Charlotte is North Carolina's urban research university. Located in the state's largest metropolitan area, it is among the fastest growing universities in the UNC System and nationwide. UNC Charlotte has identified Data Science and Business Analytics (<http://dsba.uncc.edu/>) as the major emphasis area for education, research and industry collaboration, intended to broaden and deepen North Carolina's analytics talent and stimulate strategic innovation. The Department of Computer Science is experiencing significant growth in student numbers and externally funded research. The Department doubled its size over the past 6 years and is currently the academic home for over 1,200 students pursuing BA, BS, MS, and PhD degrees. The Department of Computer Science is one of the three Departments in the College of Computing and Informatics. The Department's current research and education strengths in big data area include visual and video analytics, machine learning, knowledge discovery and cognitive computing.

Anticipated start is Fall 2015, with application review initiating on January 15, 2015. Applications must be made electronically at <https://jobs.uncc.edu> (Position No. 4656) and should include a full CV, teaching and research statements, copies of three representative scholarly publications and contact information of at least three references. In the cover letter, applicants should clearly identify the area(s) that best describe their academic interests and past industry engagements. Finalists will be asked to forward official transcripts and other supportive materials as requested by the search committee. For additional information, contact Dr. Wlodek Zadrozny (wzadrozny@uncc.edu).

As an EOE/AA employer and an ADVANCE Institution that strives to create an academic climate in which the dignity of all individuals is respected and maintained, the University of North Carolina at Charlotte encourages applications from all underrepresented groups. All finalists are subject to criminal background checks.

Professional Opportunities

collaborations and partnerships with the University of Nebraska – Omaha College of Information Science and Technology and the Nebraska transportation and construction industries to develop and deploy the enabling technologies necessary for Big Data infrastructure health monitoring systems. Consequently, the College is seeking to hire a multidisciplinary group of faculty that have complementary expertise related to Big Data and infrastructure.

The College is co-located in two cities about one hour apart, with approximately 2/3 of the faculty in Lincoln and 1/3 in Omaha. The ECE Department operates in both locations, and a number of these new faculty positions will be located at the Omaha campus.

Applicants are expected to have a Ph.D. or equivalent in electrical engineering, computer engineering, or a closely related field.

Applicants should have a record of strong scholarly achievement and a demonstrated commitment to excellence in undergraduate and graduate education. Candidates at the assistant professor level must have the potential to establish a strong externally funded research program, while candidates for positions at higher ranks are expected to have a history of funded research and a strong international reputation. Research areas of particular interest include:

- Cyber Security
- Data Acquisition
- Signal and Imaging Processing
- Network Modelling
- Network Communication
- Sensor Signal Processing
- Software Defined Networks

Opportunities for collaborations across the University of Nebraska include the University of Nebraska Medical Center, the Center for Nanohybrid Functional Materials, Innovation Campus, and other state- and federally-funded research centers and programs. An outstanding infrastructure exists for conducting research, including

central facilities housing state-of-the-art instrumentation within the Nebraska Center for Materials and Nanoscience and the Nebraska Nanoengineering Research Facility.

Applications must be submitted via <http://employment.unl.edu> (requisition #F_140174). Complete applications will include a cover letter (with specialty and position level clearly stated), CV, research and teaching statements (4 pages total), and a list of three references. Review of application materials will begin December 1, 2014 and continue until the positions are filled.

The University of Nebraska-Lincoln is committed to a pluralistic campus community through affirmative action, equal opportunity, work-life balance, and dual careers.

University of New Hampshire, Manchester Campus

Computing Technology

Assistant Professor of Computer Science

The University of New Hampshire at Manchester invites applications for a full-time, tenure-track faculty position



The UNIVERSITY of OKLAHOMA
College of Engineering
Data Science and Analytics

The College of Engineering at the University of Oklahoma invites applicants for a tenure track faculty at the rank of an assistant professor for a position serving our newly created interdisciplinary graduate program in Data Science and Analytics. The School of Computer Science and the School of Industrial and Systems Engineering within the College of Engineering have collaborated to develop this graduate program in both traditional and online formats. The faculty position's home department will be based on the academic qualifications of the successful candidate.

Applicants should hold a Ph.D. in Computer Science, Industrial and Systems Engineering, or related areas. Candidates should have demonstrated potential for outstanding research in data science and analytics and have ability to teach courses in these areas at all levels, including advising M.S and Ph.D. students. Applicants with experience working with industry in the areas of data science and analytics will be highly considered.

Completed applications should be sent to Professor Sridhar Radhakrishnan, Chair of the Search Committee, Sridhar@ou.edu. The application package should include 1) a single-page cover letter explaining your interest in this program, 2) a curriculum vitae, 3) teaching and research statements, 4) 1-2 papers that best represent research contributions and scholarship, and 5) a list of at least three references.

The University of Oklahoma is a comprehensive research university located in Norman, Oklahoma and is classified by the Carnegie Foundation as a Very High Research institution, placing it in the highest tier of research universities in the nation.

Additional information about the School of Computer Science and the School of Industrial and Systems Engineering can be found at <http://cs.ou.edu> and <http://ise.ou.edu>, respectively.

Review of applications will begin December 1, 2014, and continue until the position is filled. The University of Oklahoma is committed to a pluralistic campus community through affirmative action and equal opportunity. Protected veterans and individuals with disabilities are encouraged to apply.



Professional Opportunities

of Assistant Professor of Computer Science in the Computing Technology program, beginning August 2015. Qualified candidates are expected to have a Ph.D. in Computer Science (or closely related disciplines). Preference will be given to candidates with experience in the area of architecture, systems, and networking. Qualified candidates in other areas will also be considered. The position requires student focused teaching and advising; developing an ongoing program of research and engaged scholarship; and service to the profession and UNH community. The normal teaching load is three courses per semester. As a NSF ADVANCE Grant recipient UNH strives to enhance the recruitment, retention and advancement of women faculty and other underrepresented groups in the STEM disciplines.

To apply, please visit <https://jobs.usnh.edu>. Applicants should be prepared to upload the following required documents when applying online: (1) application letter describing qualifications and experience for this position, (2) curriculum vitae, (3) statement of lessons learned from teaching, (4) plan to engage students in research and industry projects, and (5) a list of three professional references.

The University of New Hampshire is an Equal Opportunity/Equal Access/Affirmative Action institution. The University seeks excellence through diversity among its administrators, faculty, staff, and students. The university prohibits discrimination on the basis of race, color, religion, sex, age, national origin, sexual orientation, gender identity or expression, disability, veteran status, or marital status. Application by members of all underrepresented groups is encouraged.

University of North Florida

School of Computing

Assistant Professor

Assistant Professor position in School of Computing at University of North Florida.

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

The University of North Texas

Department of Computer Science and Engineering

Faculty Position in Computer Systems

The Department of Computer Science and Engineering at the University of North Texas (UNT) is seeking candidates with experience and established research for a faculty position at the Assistant Professor level (tenure-track) or the Associate Professor level (tenured or tenure-track) beginning August 15, 2015. The department plans to build on its existing strengths in **Computer Systems**, broadly conceived, such as operating systems, runtime systems, storage systems, distributed systems and

embedded systems. Current faculty strengths in systems area include multicore and many-core architectures, emerging memory technologies, resilient, secure and survivable systems, virtualization, and performance measurement and tuning. An ideal candidate will have demonstrated research capabilities supplementing our strengths and teaching at all levels of instruction. A Ph.D. in Computer Engineering, Computer Science or a closely related field, along with experience in seeking and securing extramural funding for research and high quality publication record are required.

The Computer Science and Engineering department is home to 859 bachelors students, 153 masters students and 92 Ph.D. students. UNT CSE department is the lead academic institution of the NSF Industry/University Cooperative Research Center for Net-centric and Cloud Software and Systems. Additional information about the department and the center are available at the websites: www.cse.unt.edu and netcentric.cse.unt.edu, respectively.

UNIVERSITY OF OXFORD

MATHEMATICAL, PHYSICAL AND LIFE SCIENCES DIVISION



Department of Computer Science in association with St Catherine's College

ASSOCIATE PROFESSOR (OR PROFESSOR) IN COMPUTER SCIENCE (MACHINE LEARNING)

The Department of Computer Science proposes to appoint an Associate Professor (or Professor) in Computer Science (Machine Learning) from 1st October, 2015 or an agreed date before this. The salary will be on a scale currently from £44,620 to £59,914 per annum.

The successful candidate will have a strong background in the foundations of computer science and add to the existing expertise within the *Information Systems* research theme.

Full details and further particulars are available at <http://www.cs.ox.ac.uk/news/858-full.html>

The closing date for applications is Friday 30th January, 2015.

Professional Opportunities

Application Procedure:

All applicants must apply online to:
[facultyjobs.unt.edu/applicants/
Central?quickFind=52073](http://facultyjobs.unt.edu/applicants/Central?quickFind=52073)

Submit nominations and questions regarding the position to Dr. Krishna Kavi (kavi@cse.unt.edu).

Application Deadline:

The committee will begin its review of applications on December 1, 2014 and continue to accept and review applications until the positions are filled.

The University:

As the nation's 24th largest public university and the largest, most comprehensive in the Dallas-Fort Worth area, UNT is dedicated to providing an excellent educational experience to its 36,000 students while powering the North Texas region, state and nation through innovative education and research. A student-focused public research university with an emphasis on sustainability, UNT graduated 8,700 students last year from its 12 colleges and schools and offers 98 bachelor's, 82 master's and 36 doctoral degree programs, many nationally and internationally recognized. UNT's ultimate mission is to give a green light to greatness by helping its students, region, state and nation excel. UNT is strategically located in Denton, Texas, a vibrant city with a lively arts and music culture, at the northern end of the Dallas-Fort Worth metroplex. The DFW area has more than six million people, with significant economic growth, numerous industrial establishments, and excellent school districts.

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

University of Pittsburgh

*Department of Computer Science
NTS Lecturer Position*

The Department of Computer Science at the University of Pittsburgh is conducting a search for a non-tenure track lecturer position effective September 2015, pending budgetary approval. All applications from experienced instructors with educational accomplishments and intellectual leadership are encouraged. Ideal candidates must have a PhD in Computer Science or similar field and should demonstrate excellence in instruction and educational curiosity. Lecturers teach three courses per 15-week semester, class sizes are typically 50 or fewer students, and TA support is available typically for grading. Additional qualifications include experience advising undergraduate students, designing and

managing curricula, enhancing diversity, and promoting extra-curricular activities.

Candidates should apply on-line at <https://cs.pitt.edu/recruitnts>.

Review of applications will begin January 15, 2015 and continue until a suitable candidate for the position is found. The University of Pittsburgh is an Affirmative Action Equal Opportunity Employer. Women and members of minority groups under-represented in academia are especially encouraged to apply.

The University of Pittsburgh is among the nation's oldest and most distinguished research universities. Computer Science resides within the Dietrich School of Arts and Sciences where 30 departments offer a wide variety of high-quality academic programs. For more information on living in Pittsburgh, visit www.coolpgh.pitt.edu.

University of Texas at San Antonio Faculty Positions in Computer Science

The Department of Computer Science at The University of Texas at San Antonio invites applications for multiple tenure/tenure-track positions, starting Fall 2015. Interested candidates may apply to one or more positions indicated below.

- **Endowed tenure-track faculty positions in Cloud Computing** focused on high performance computing (HPC) in cloud, big data and data science, cloud architecture, virtualization, risk assessment, cloud security and/or system management. There are multiple positions at the assistant or associate professor level. Each of these positions includes a mini-endowment established as part of the university-wide cloud computing initiative.
- **A tenure-track faculty position in Computer Science** focused on system areas, including HPC, architecture and system software. This is a tenure-track assistant or associate professor position.
- **A tenured, senior faculty position in Cyber Security** focused on systems security, including cloud security, mobile security, malware defense, and/or networking security. This is a tenured associate or full professor position. Excellent candidates in all areas of cyber security will be considered.

See <http://www.cs.utsa.edu/fsearch> for information on the Department and application instructions. Screening of applications will begin immediately. Full consideration will be given to applications received by January 5, 2015, and the search will continue until the positions are filled or the search is closed. The University of Texas at San Antonio is an Affirmative Action/Equal Opportunity Employer.

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



Professional Opportunities

University of Rhode Island

Computer Science and Statistics

*Tenure-track Assistant Professor of
Computer Science; Multicultural Post-
Doctoral Fellow, Computer Science and/or
Statistics.*

Visit www.cs.uri.edu for details, and <https://jobs.uri.edu> to apply.

University of Richmond

*Department of Mathematics and
Computer Science*

Assistant Professor of Computer Science

The University of Richmond invites applications for a tenure-track Assistant Professor position in Computer Science to begin August 2015.

For additional information and to apply, please visit: <https://richmond.csod.com/ats/careersite/JobDetails.aspx?id=412>

University of San Diego

*Department of Mathematics and
Computer Science*

Assistant Professor of Computer Science

The University of San Diego seeks applicants for a tenure-track faculty position in computer science. Housed in a liberal arts setting, our department offers a B.A. in computer science. Candidates should have a commitment to teaching excellence and to maintaining an active research program. Our department is student-centered, and so we seek applicants willing to foster close student-faculty interactions, both inside and outside of the classroom, and promote undergraduate research. A Ph.D. in computer science or related field is required at the time of appointment, September 1, 2015. All areas of computer science will be considered. For more information about our department, please visit www.sandiego.edu/cas/math-cs. To apply, send the following items to cssearch@sandiego.edu: CV, three letters of recommendation (at

least one of which addresses your teaching), a teaching statement, and a research statement. Also, please register as an applicant for job number IRC14230 at www.sandiego.edu/jobs.

The University of San Diego, an independent Roman Catholic University, is an AA/EOE employer and is committed to seeking and sustaining a culturally and ethnically diverse campus environment. Priority will be given to applications completed by January 1, 2015.



UNIVERSITY OF
SAN FRANCISCO

CHANGE THE WORLD FROM HERE

USF Ethnic Minority Postdoctoral Fellowship

Department: Academic Affairs/Provost Office

Job Type: Full-Time

Job Summary: The University of San Francisco invites applications from underrepresented ethnic minority scholars for the USF Postdoctoral Fellowship Program for academic year 2015-2016.

Job Responsibilities: The program is a "teaching postdoc," intended to develop participants as both researchers and teachers. Fellows are housed in an existing department and work with senior faculty members to begin the development of an independent research program. In addition, fellows teach one course per semester in order to gain teaching experience.

The program provides compensation of \$36,000, a modest budget for research supplies, and limited support for relocation. Fellows will be mentored by a senior faculty member; in the lab sciences, this mentor will provide lab space. Additional support includes computer and library privileges.

Minimum Qualifications: Fellows are members of one of the following groups: African-Americans, Asian-Americans, Pacific Islander, Hispanics/Latino/as, or American Indians, and are U.S. citizens or Permanent Residents. Candidates must have completed their Ph.D. by June 2015, and be considering a career at a teaching-focused university in: Computer Science, Data Science, or Environment Science.

To be considered for this position please visit our web site and apply on line at the following link: <http://apptrkr.com/544794>

EEO Policy: The University of San Francisco is an equal opportunity institution of higher education. As a matter of policy, the University does not discriminate in employment, educational services and academic programs on the basis of an individual's race, color, religion, religious creed, ancestry, national origin, age (except minors), sex, gender identity, sexual orientation, marital status, medical condition (cancer-related and genetic-related) and disability, and the other bases prohibited by law. The University reasonably accommodates qualified individuals with disabilities under the law.

Professional Opportunities

University of South Carolina

*Department of Computer Science
and Engineering*

Positions Open: Two (2) Assistant Professors

The University of South Carolina invites applications for two (2) tenure-track faculty positions at the rank of assistant professor in the Department of Computer Science and Engineering. The Department will consider exceptional candidates in any computing research areas, but is particularly interested in candidates whose primary research expertise is in:

1. Computer architecture, embedded systems, high-performance computing, heterogeneous computing, or VLSI Design
2. Software engineering

Requirements include a PhD in a relevant field, a record of exceptional accomplishments, and strong potential for research and teaching. Persons joining the program will have significant opportunities and access to world-class university and state-wide laboratories and staff. The Department of Computer Science and Engineering offers bachelor's, master's, and doctoral degrees. The Department has 22 full-time faculty members (10 of whom are NSF CAREER award recipients), an undergraduate enrollment of 591 students, a graduate enrollment of 108 students, and over \$2 million in annual research expenditures. The University of South Carolina is located in Columbia, the capital and technology center of South Carolina, and is the flagship university in the state with an enrollment of more than 31,000 students.

Applications must include the following: (1) cover letter, (2) curriculum vitae, (3) research and teaching plans, and (4) contact information for at least three references. Applications should be submitted electronically to CSSearch@cse.sc.edu. The search committee will begin reviewing

applications immediately and continue until the positions are filled.

Inquiries about the positions may be made to Dr. Matt E. Thatcher, Professor and Associate Chair of the Department of Computer Science and Engineering, at (803) 777-2895 or thatchel@mailbox.sc.edu.

The University of South Carolina is an affirmative action/equal opportunity institution.

Women and minorities are encouraged to apply.

University of South Florida

Computer Science and Engineering

Faculty Positions

Applications are invited for two positions at the Assistant or Associate level in the Department of Computer Science and Engineering starting Fall 2015. Exceptional Senior candidates will be considered. Preference will be given to candidates with research areas that complement current Departmental research. Candidates should have an established record of independent research with outstanding-quality research publications and with potential for excellence in teaching. The University prefers candidates who have an already established record of federal funding. Salary will be commensurate with qualifications and experience. Candidates must have completed, or be near completion of, a Ph.D. in computer science, computer engineering, or a related discipline.

The Department of Computer Science and Engineering (<http://www.cse.usf.edu>) has 29 faculty members including Instructors and offers B.S., M.S., and Ph.D. degrees. Department faculty members have research funding from NSF, NIH, DARPA, Google, and other sources. The University of South Florida is one of the nation's top public research universities.

For further information and for application instructions, please see our faculty search website: <http://www.cse.usf.edu/faculty-search/>. For questions please send email to faculty-search@cse.usf.edu. Applications will be considered starting immediately until the positions are filled.

The University of South Florida is an Equal Opportunity/Equal Access/Affirmative Action Institution. Women and minorities are strongly encouraged to apply. Dual career couples with questions about opportunities are encouraged to contact the Department chair.

University of South Florida

Computer Science and Engineering

Faculty Positions

Applications are invited for multiple positions at the Assistant or Associate Professor level in the Department of Computer Science and Engineering starting Fall 2015. Exceptional Senior candidates will be considered. Preference will be given to candidates with research areas that complement current Departmental research. Candidates should have an established record of independent research with outstanding-quality research publications and with potential for excellence in teaching. The University prefers candidates who have an already established record of federal funding. Salary will be commensurate with qualifications and experience. Candidates must have completed, or be near completion of, a Ph.D. in computer science, computer engineering, or a related discipline.

The Department of Computer Science and Engineering (<http://www.cse.usf.edu>) has 28 faculty members including Instructors and offers B.S., M.S., and Ph.D. degrees. Department faculty members have research funding from NSF, NIH, DARPA, Google, and other sources. The University of South Florida is one of the nation's top public research universities.

Professional Opportunities

For further information and for application instructions, please see our faculty search website: <http://www.cse.usf.edu/faculty-search/>. For questions please send email to faculty-search@cse.usf.edu. Applications will be considered starting immediately until the positions are filled.

The University of South Florida is an Equal Opportunity/Equal Access/Affirmative Action Institution. Women and minorities are strongly encouraged to apply. Dual career couples with questions about opportunities are encouraged to contact the Department chair.

University of South Florida

*Computer Science, Computer Engineering,
and Information Technology*

Instructor Positions

Applications are invited for multiple Instructor positions in the Department of Computer Science and Engineering. We are seeking instructors who can teach a broad range of Computer Science, Computer Engineering, and/or Information Technology core and elective courses at the undergraduate level. One available position is a 12 month appointment and includes an advising role. The other available positions are 9-month appointments. For the 9-month appointments, opportunities may exist to teach in the summer, if so desired. The University offers a promotion path for instructors. Salary will be commensurate with qualifications and experience. Candidates must have completed, or be near completion of, a Ph.D. degree in computer science, computer engineering, information technology, or a related discipline.

The Department of Computer Science and Engineering (<http://www.cse.usf.edu>) has 28 faculty members including Instructors and offers B.S., M.S., and Ph.D. degrees. The undergraduate program (granting B.S. degrees in Computer Science, Computer

Engineering, and Information Technology) graduates approximately 175 students per year and this is expected to increase.

For further information and for application instructions, please see our faculty search website: <http://www.cse.usf.edu/faculty-search/>. For questions please send email to faculty-search@cse.usf.edu. 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.



THE UNIVERSITY of
TULSA
Tandy School of Computer Science

ASSISTANT PROFESSOR TENURE TRACK

The Tandy School of Computer Science at the University of Tulsa (TU) is seeking a candidate to fill a tenure track position with preference for hiring at the Assistant Professor rank starting in Fall 2015. Applicants should have a developed line of research, with a professional interest in education and service. Responsibilities include scholarly research, teaching at the undergraduate and graduate levels, and curriculum development within the School. Applicants should possess a Ph.D. or equivalent in computer science or a closely related field. Preference will be given to the research areas of software engineering, formal methods, distributed systems, cloud computing, and web services. The School encourages collaborative and multi-disciplinary research activities.

The University of Tulsa provides educational opportunities to more than 4,500 undergraduate and graduate students in the colleges of arts and sciences, business, engineering and natural sciences, and law. Students from across the nation and more than 60 countries enjoy TU's personalized attention, small class sizes and low student-faculty ratio. The Tandy School of Computer Science is located in the new J. Newton Rayzor Hall. The School offers a B.S., M.S. and Ph.D. in Computer Science and a Ph.D. in Computer Engineering.

Tulsa is located in northeast Oklahoma in "Green Country," a region of rolling hills, lakes and wooded landscapes. With a metropolitan population of approximately one million, the city offers cosmopolitan amenities while maintaining the livability of a small urban center. Tulsa offers diverse arts, entertainment, and recreation venues appealing to both young adults and families.

To apply, please send CV, statements on teaching and research, and contact information for three references as a single PDF by e-mail to **Dr. Rose Gamble, Chair of the Search Committee**, at gamble@utulsa.edu. Applicants are encouraged to submit their applications as soon as possible, but no later than February 1, 2015.

The University and Tandy School of Computer Science share a strong commitment to achieving diversity among faculty and staff. We particularly encourage applications from underrepresented groups. The University of Tulsa is an Equal Opportunity Employer-F/M/D/V.

Professional Opportunities

University of South Florida

Computer Science and Engineering Instructor Position

Applications are invited for one Instructor position in the Department of Computer Science and Engineering. We are seeking an instructor who can teach a broad range of Computer Science and Computer Engineering core and elective courses at the undergraduate level. This is a 9-month appointment. Opportunities may exist to teach in the summer, if so desired. The Instructor position offers a University defined promotion path. Salary will be commensurate with qualifications and experience. Candidates must have completed, or be near completion of, a Ph.D. degree in computer science, computer engineering, or a related discipline. Successful candidates are expected to start Fall 2015.

The Department of Computer Science and Engineering (<http://www.cse.usf.edu>) has 29 faculty members including Instructors and offers B.S., M.S., and Ph.D. degrees. The undergraduate program graduates approximately 175 students per year and this is expected to grow. The University of South Florida is one of the nation's top public research universities.

For further information and for application instructions, please see our faculty search website: <http://www.cse.usf.edu/faculty-search/>. For questions please send email to faculty-search@cse.usf.edu. Applications will be considered starting immediately until the positions are filled.

The University of South Florida is an Equal Opportunity/Equal Access/Affirmative Action Institution. Women and minorities are strongly encouraged to apply. Dual career couples with questions about opportunities are encouraged to contact the Department chair.

University of Southern California

Information Sciences Institute Computer Science Positions

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

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



THE UNIVERSITY of
TULSA
Tandy School of Computer Science

PROFESSOR CYBER SECURITY

The Tandy School of Computer Science at the University of Tulsa (TU) is seeking a candidate to fill the position of Tandy Professor in Cyber Security starting Fall 2015. The position is open to applicants of all ranks with a preference to hire at the Assistant Professor level. Exceptionally well-qualified applicants may also be considered at the Associate and Full Professor levels. Applicants should possess a Ph.D. or equivalent in Computer Science or a closely related field. Applicants should have a developed line of research and professional interest in education, and service in Cyber Security, Information Assurance, or a related area that is commensurate with current rank. The School encourages collaborative and multi-disciplinary research activities. Responsibilities will include the development of new research and curriculum areas within the school and continuing to advance the international recognition of the University of Tulsa in this field.

The University of Tulsa is a private university with approximately 4,500 undergraduate and graduate students in the colleges of arts and sciences, business, engineering and natural sciences, and law. The Tandy School of Computer Science is located in the new J. Newton Rayzor Hall dedicated in November 2011. The School offers B.S., M.S. and Ph.D. programs in Computer Science. The National Security Agency (NSA) and U.S. Cyber Command have designated The University of Tulsa as a National Center of Academic Excellence in Cyber Operations. The University of Tulsa's information security programs have previously received similar recognition from the NSA, National Science Foundation, Department of Defense, and U.S. Secret Service. The Tandy School of Computer Science houses TU's Cyber Corps Program, with undergraduate and graduate students from a variety of backgrounds including computer science, mathematics, electrical engineering, chemical engineering, mechanical engineering, law and business.

Tulsa is located in northeast Oklahoma in "Green Country," a region of rolling hills, lakes and wooded landscapes. With a metropolitan population of approximately one million, the city offers cosmopolitan amenities while maintaining the livability of a small urban center. Tulsa offers diverse arts, entertainment, and recreation venues appealing to both young adults and families.

To apply, please send CV, teaching statement and research statement, and contact information for three references as a single PDF by e-mail to **Dr. Mauricio Papa** (mauricio-papa@utulsa.edu), Chair of the Search Committee. Applicants are encouraged to submit their applications as soon as possible, but no later than February 1, 2015.

The University and Tandy School of Computer Science share a strong commitment to achieving diversity among faculty and staff. We particularly encourage applications from underrepresented groups. The University of Tulsa is an Equal Opportunity Employer-F/M/D/V.

Professional Opportunities

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

Computer Scientist and Postdoc Positions

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

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

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

Application Procedure

Applicants for both the Computer Scientist and Postdoc positions must submit the following materials to joinus@isi.edu.

- 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

The application deadline for 2015 appointments is January 30, 2015.

Start dates are flexible.

The University of Vermont

College of Engineering and Mathematical Sciences

Faculty Position in Complex Systems

The College of Engineering and Mathematical Sciences invites applications for a tenure-track faculty position in Complex Systems, with a focus on research problems in the behavioral and social sciences. The position is in support of our NSF-funded IGERT program on Smart Grid & Human Behavior. Requirements include an earned doctorate in computer science, mathematics, or a related discipline, a proven record of scholarly activities, and the qualifications to teach both undergraduate and graduate courses in their home department.

The full job description and online application can be found at: <http://www.cems.uvm.edu/facsearch/csyes.php>

The first review of applications will occur on December 15, 2014.

UVM is an EO/EA/AA employer and conducts background checks on all final candidates.

University of Vermont

College of Engineering and Mathematical Sciences

Lecturer Position

We invite applications for a full-time lecturer in Computer Science, for a Fall 2015 start date. Qualifications include an MS or PhD in computer science or related field.

More information at <http://www.cems.uvm.edu/facsearch/cslec.php>. Review of applications will begin Dec. 15, 2014, until the position is filled.

UVM is an EO/EA/AA employer and conducts background checks on all final candidates.

University of Virginia/School of Engineering and Applied Science

Department of Computer Science

Open Rank

The Department of Computer Science at the University of Virginia is entering an exciting phase of significant growth. This year the Department has multiple faculty positions open and welcomes outstanding candidates in all areas of computer science and related fields and at all ranks. Candidates must possess an earned doctorate in Computer Science or a related discipline, or have one in hand by appointment start date, be committed to excellence in teaching, and have demonstrated excellence in research.

Successful candidates are expected to pursue an active research program, to teach graduate and undergraduate courses, supervise and mentor graduate and undergraduate research.

The Department offers a stimulating and nurturing academic environment with active research programs in many areas of computer science. It is a unique environment where innovative, interdisciplinary, and foundational research is conducted in a collegial atmosphere. The Department is housed in the new, five-story Rice Hall, and the faculty is comprised of twenty-four active members. The University, our location, and our faculty provide a vibrant intellectual environment for research and education in computing and related disciplines. The Department is committed to building a culturally diverse community and strongly encourages applications from underrepresented groups; furthermore, UVA is an active dual career employer.

UVa is located in Charlottesville, Virginia. Situated in the beautiful foothills of the Blue Ridge Mountains and in close proximity to Washington, DC, Charlottesville consistently ranks among the top cities in which to live

Professional Opportunities

and work. The University is consistently ranked as a top public university as well as a Carnegie Research I university and includes a top-ranked medical school, graduate business school, and a new Data Science Institute.

We will begin reviewing applications on December 15, 2014 and will continue until the positions are filled. To apply, candidates must submit a Candidate Profile through jobs@UVA (<https://jobs.virginia.edu>), search on posting number 0615256. Please include a CV/Resume, Cover Letter, Statement of Research Interest, Statement of Teaching Philosophy, and Contact Information for 3 References – name, email, phone.

The University of Virginia is an equal opportunity and affirmative action employer committed to developing diversity in faculty and welcomes applications from women, minorities, veterans and persons with disabilities.

University of Warwick

Department of Statistics and Department of Computer Science (joint appointment)

Assistant Professor of Data Science

Full-time (negotiable)

An enthusiastic individual is sought for this unique opportunity to be part of the newly created Warwick Data Science Institute (WDSI), which reflects the commitment of the Department of Statistics and the Department of Computer Science, in collaboration with the Warwick Mathematics Institute, to a coherent methodological approach to the fundamentals of Data Science and the challenges of complex data sets. In addition, the departments of Computer Science and Statistics have created a joint undergraduate degree programme in Data Science, which has recruited its first students in September 2014. You would be naturally involved in this exciting development, which constitutes the first course of its kind in the UK.

You will have knowledge of the current issues in Data Science and the drive to address them at a fundamental level while being part of a collaborative team from researchers across the mathematical sciences at Warwick. You will help shape Warwick's research and teaching leadership in this fast-developing discipline.

This is an opportunity to join one of the world's most prominent and most research-active departments of Statistics and an excellent department of Computer Science to be part of an exciting new collaboration between the Mathematical Science departments at Warwick. You should have a PhD in Statistics, Computer Science or Mathematics or an equivalent qualification.

Informal enquiries can be addressed to any of Professors Mark Steel (M.Steel@warwick.ac.uk), Stephen Jarvis (S.A.Jarvis@warwick.ac.uk), David Firth (D.Firth@warwick.ac.uk), or Graham Cormode (G.Cormode@warwick.ac.uk), or to any other senior member of the Warwick Computer Science and Statistics Departments.

Start date: Flexible, although we expect the successful candidate to be in post by 1 October, 2015.

Please would all applicants ensure that their referees send a letter of reference by email to Paula.Matthews@stats.warwick.ac.uk (Department Administrator) by the closing date.

For further details and to apply online please visit our website below.

Minicom users: 024 7615 0554

It is expected that interviews will take place in January 2015.

Closing date: 14 December 2014

www.warwick.ac.uk/jobs

The University Values Diversity

University of Washington

*Human Centered Design & Engineering
Tenure Track Assistant or Associate
Professor*

The Department of Human Centered Design & Engineering (HCDE) at the University of Washington seeks a top caliber researcher and teacher to join our growing and dynamic department in 2015. We are most interested in candidates whose research is outstanding in quality and originality. The specialty of the position is open, though we particularly encourage applications in the areas of Human-Centered Engineering, Human-Centered Computing, Product Design, Research-through-Design, Science & Technologies Studies, Infrastructure Studies, and Tangible & Embodied Interaction.

We will consider candidates from a range of disciplinary backgrounds who use innovative methodological and theoretical approaches to address current challenges in human-centered design and engineering. We expect our new colleagues to be engaged with emerging research trends in their area(s) of expertise. The successful candidate is expected to develop a substantial program of research including peer-reviewed publications and external funding. Candidates should show evidence of strong promise in teaching as well as scholarship.

The department is seeking applicants for a full-time tenure-track Assistant Professor position (9-month service period), although an appointment may be made at the rank of Associate Professor if circumstances and qualifications warrant. Applicants must have an earned doctorate or foreign equivalent by the date of appointment.

University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to, among other things, race, religion, color, national origin, sex, age, status as protected

Professional Opportunities

veterans, or status as qualified individuals with disabilities.

Appointment begins in 2015. Review of applications will begin January 15, 2015.

To apply, send (1) a letter of application, (2) current c.v., (3) statement of research and teaching goals, and (4) and at least three letters of recommendation. Materials should be addressed to Dr. Julie Kientz, Search Committee Chair, at hcddefac@uw.edu.

Inquiries: Robin Donovan: robind3@uw.edu or Julie Kientz: jkientz@uw.edu.

University of Washington

Computer Science & Engineering

Part-time & Full-time Lecturer or Senior Lecturer (Search # AA9131)

Lecturer, full-time, Lecturer, full-time, competitive recruitment, Lecturer, part-time, competitive recruitment, Senior Lecturer, full-time

The University of Washington's Department of Computer Science & Engineering has one or more part-time or full-time positions for Lecturers and Sr. Lecturers. Applicants for lecturer positions must have earned at least a Master's degree or have relevant teaching experience in the course area. Lecturers and Sr. Lecturers will be hired on an annual or multi-annual 9-month appointment. We expect candidates to have a strong commitment to teaching and student mentoring; many lecturers engage in outreach and service as well.

The Seattle area is particularly attractive given the presence of significant industrial research laboratories as well as a vibrant technology-driven entrepreneurial community that further enhances the intellectual atmosphere. Information about the department can be found on the web at <http://www.cs.washington.edu>.

Please apply online at <https://norfolk.cs.washington.edu/apply> with a letter

of application, a complete curriculum vitae, statement of research and teaching interests, and the names of four references. Applications received by December 15, 2014 will be given priority consideration. Open positions are contingent on funding.

University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to, among other things, race, religion, color, national origin, sex, age, status as protected veterans, or status as qualified individuals with disabilities.

University of Washington

College of Engineering, Computer Science and Engineering, Statistics

Assistant or Associate Professor (Search #AA9093)

The Provost of the University of Washington has launched a major effort focused on Data-Driven Discovery, with a commitment to hire several new faculty in this area. In support of this effort, we are seeking candidates for one open-rank tenured or tenure-track faculty position jointly in the Department of Computer Science & Engineering and the Department of Statistics at the University of Washington. This position will be a full-time joint appointment in both departments with precise percentages as appropriate for the candidate. The new faculty will also participate in the UW eScience Institute.

We encourage applications from exceptional candidates at the intersection of computer science and statistics, with a particular focus on machine learning and large-scale statistical analysis. We expect candidates to have a strong commitment to both research and teaching. The full-time joint position will be primarily focused on hires at the Assistant Professor or Associate Professor levels (9-month service period) although individuals at senior ranks with exceptional credentials may be considered. Applicants must have

earned a PhD, or foreign equivalent, by the date of appointment. All University of Washington faculty engage in teaching, research and service.

The CSE and Stat departments are located less than 5 minutes apart on the Seattle campus, enabling cross department collaborations and initiatives. The Seattle area is particularly attractive given the presence of significant industrial research laboratories, a vibrant technology-driven entrepreneurial community, and spectacular natural beauty.

Application Instructions:

Please apply online at <https://statcse.cs.washington.edu/apply> with a letter of application, a complete curriculum vitae, a statement of research and teaching interests, and the names of at least four references. The review of applications will start on November 15, 2014, and those received by January 15, 2015, will be given priority consideration. Open positions are contingent on funding.

University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to, among other things, race, religion, color, national origin, sex, age, status as protected veterans, or status as qualified individuals with disabilities.

University of Washington

Computer Science & Engineering

Tenure-Track, Research, and Teaching Faculty Positions (AA9129)

The University of Washington's Department of Computer Science & Engineering has multiple tenure-track positions in a wide variety of technical areas in both Computer Science and Computer Engineering. Hires will be made at the Assistant (0116) and Associate (0102) Professor level, although individuals at senior ranks with exceptional credentials

Professional Opportunities

University of Wisconsin-Madison Computer Sciences

Department Faculty Positions: Assistant and Associate Professors

The Computer Sciences Department at the University of Wisconsin-Madison has embarked on a multi-year effort to significantly enhance the strengths of the department. As part of this endeavor we invite applications from highly qualified candidates in all areas of computer science at the assistant and associate professor levels beginning August 2015.



We seek applicants across the spectrum from technology-driven to problem-driven research. Madison, capital of the state of Wisconsin and home to the University of Wisconsin-Madison, consistently ranks as one of the greenest, most bike friendly, and most family friendly cities in the nation. With the headquarters of medical software company Epic, Microsoft's Jim Gray Systems Lab, Google, and several other technology giants in the area, Madison is also among the fastest growing technology hubs in the country. The Computer Sciences Department is among the oldest and top ranked CS departments in the world, renowned for its groundbreaking research in computer architecture, database systems, distributed and grid computing, nonlinear optimization, and many other areas of computer science. It has a strong track record of support of transformative research and building large scale compute infrastructures such as Condor and CloudLab. More recently, the department has been engaged in new interdisciplinary programs and centers including the Wisconsin Institutes of Discovery (WID) and the Wisconsin Institute on Software-defined Datacenters of Madison (WISDoM).

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

Service to the department, college, university, and academic community nationally or internationally required. Applicants should submit a curriculum vitae, a statement of research objectives and sample publications, and arrange to have at least three letters of reference sent directly to the department. Electronic submission of all application materials is preferred (see <http://www.cs.wisc.edu/about/employment> for details).

Applicants are encouraged to submit their applications along with supporting material as soon as possible, but no later than January 15, 2015 to ensure full consideration. For further information, send email to recruiting@cs.wisc.edu.

The Computer Sciences Department proactively supports expansion of diversity among all components of the department, and ensures an inclusive, fair, and equitable environment that fosters engagement. Women and minority candidates are especially encouraged to apply. A background check is required prior to employment.

Wisconsin Institute for Discovery

Faculty Position: Professor/Associate Professor/Assistant Professor

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

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

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

Applicants must submit a cover letter, curriculum vitae, teaching statement, and a statement of current and future research plans related to optimization and its applications before January 30, 2015. The full application, submitted as separate PDFs, should not exceed 10 pages and must be submitted through the application website <https://optimization.discovery.wisc.edu/FacultyRecruiting>. In additions, three reference letters from person knowledgeable with the applicant's research, leadership and/or teaching abilities must be separately supplied through the application website.

For specific details regarding the optimization position, see: http://www.ohr.wisc.edu/WebListing/Unclassified/PVLSummary.aspx?pvl_num=80700

Professional Opportunities

may be considered. The positions would be full-time multi-year appointments with 9-month service periods. Our department offers a highly collegial and collaborative culture, with broad interdisciplinary research opportunities available across campus and in the region. The Seattle area is particularly attractive given the presence of significant industrial research and development laboratories in computing, information technology, medicine, health care, and global health. Information about the department can be found on the web at www.cs.washington.edu

We welcome applicants in all research areas in Computer Science and Computer Engineering including core, applied, and interdisciplinary areas.

We may also consider full-time non-tenured research faculty at the Research Assistant Professor (0143) level and full-time postdoctoral researchers, Research Associates (0148). These positions have 12 month service periods. Applicants for both tenure-track and research positions must have earned a doctorate, or foreign equivalent, by the date of appointment. All University of Washington faculty engage in teaching, research and service.

Please apply online at <https://norfolk.cs.washington.edu/apply> with a letter of application, a complete curriculum vitae, statement of research and teaching interests, and the names of four references. Applications received by December 15, 2014 will be given priority consideration. Open positions are contingent on funding.

The University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to, among other things, race, religion, color, national origin, sex, age, status as protected veterans, or status as qualified individuals with disabilities.

University of Washington

*Computer Science & Engineering and
Electrical Engineering*

*Assistant or Associate Professor or Research
Assistant Professor (AA8843)*

The University of Washington's Department of Computer Science & Engineering and Department of Electrical Engineering have jointly formed a UW Experimental Computer Engineering Lab (ExCEL). All positions will be full-time joint appointments in both departments (with precise percentages as appropriate for the candidate). This year, we have one open position, and encourage exceptional candidates in computer engineering, at tenure-track Assistant Professor or Associate Professor or Research Assistant Professor to apply, although individuals at senior ranks with exceptional credentials may be considered.

A moderate teaching and service load allows time for quality research and close involvement with students. The CSE and EE departments are co-located on campus, enabling cross department collaborations and initiatives. The Seattle area is particularly attractive given the presence of significant industrial research laboratories, a vibrant technology-driven entrepreneurial community, and spectacular natural beauty. Information about ExCEL can be found at <https://www.excel.washington.edu/>

We welcome applications in all computer engineering areas including but not exclusively: atomic scale devices & nanotechnology, implantable and biologically-interfaced devices, synthetic molecular engineering, VLSI systems and CAD, embedded systems, low power and mobile systems, sensor systems,



University of Wisconsin School of Medicine & Public Health

Assistant/Associate/Full Professor of Biostatistics or Bioinformatics

Department of Biostatistics & Medical Informatics

University of Wisconsin School of Medicine & Public Health and Morgridge Institute for Research

Department of Biostatistics & Medical Informatics at the University of Wisconsin School of Medicine & Public Health, and Morgridge Institute for Research, seek Assistant (tenure-track) or Associate/Full (tenured) Professor in biostatistics or bioinformatics. Innovative position combines research in methodology with applications in virology and related molecular biology; includes teaching, graduate student training. PhD in Biostatistics, Statistics, Bioinformatics, Computational Biology, Biomedical Informatics, Computer Sciences, or related area.

Please see:

<https://www.biostat.wisc.edu/content/assistantassociatefull-prof-biostatistics-biomedical-informatics-pvl-80903>

AA/EOE

Professional Opportunities

parallel computing, network systems, and technology for the developing world. We expect candidates to have a strong commitment both to research and teaching. ExCEL is seeking individuals at all career levels, with appointments commensurate with the candidate's qualifications and experience. Applicants for both tenure-track and research positions must have earned a PhD by the date of appointment, or foreign equivalent. All University of Washington faculty engage in teaching, research and service.

Please apply online at <http://www.excel.washington.edu/apply> with a letter of application, a complete curriculum vitae, statement of research and teaching interests, and the names of at least four references. Applications received by December 1, 2014 will be given priority consideration. Open positions are contingent on funding.

The University of Washington was awarded an Alfred P. Sloan Award for Faculty Career Flexibility in 2006. In addition, the University of Washington is a recipient of a National Science Foundation ADVANCE Institutional Transformation Award to increase the participation of woman in academic science and engineering careers. We are building a culturally diverse faculty and encourage applications from women and minority candidates. University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to, among other things, race, religion, color, national origin, sex, age, status as protected veterans, or status as qualified individuals with disabilities.

The University of Wisconsin-Madison and Marshfield Clinic

Computation and Informatics in Biology and Medicine Training Program

Postdoctoral Fellowships

Application materials for the NLM-funded postdoctoral training program in bioinformatics, health, clinical and oral health informatics can be obtained from the CIBM Coordinator Louise Pape 608-265-7935, lpape@wisc.edu.

See <http://www.cibm.wisc.edu> and http://www3.marshfieldclinic.org/birc/pages/default.aspx?page=mcrf_birc_what_is_dental_informatics

USC Viterbi School of Engineering - Robotics

Robotics: (Open Rank) [Assistant, Associate or Full Professor]

As part of a cross-departmental thematic initiative, the USC Viterbi School of Engineering seeks to hire two tenure-track

USC Marshall
School of Business

University of Southern California Marshall School of Business Tenure-Track Statistics Position

The Department of Data Sciences and Operations within the USC Marshall School of Business invites applications for a tenure track position in Statistics starting in Fall 2015. Rank is open. Applicants must display strong research potential as well as excellent teaching skills. Candidates must have a Ph.D. in statistics or a closely related field, or be assured of its completion by Fall 2015. We are interested in applicants from all areas of statistics. Applicants with interdisciplinary interests in statistics and machine learning are encouraged to apply.

The successful applicant will join a vibrant statistics group of 14 faculty. Remuneration is very competitive. In addition, generous research support for technology and travel is provided for all faculty. Teaching loads are generally low with many faculty completing their teaching assignment in one semester.

Interested candidates should apply at (<http://jobs.usc.edu/postings/34266>)

Please submit your cover letter, curriculum vita, copies of representative research papers, research statement, names and email addresses of three references, and any teaching evaluations.

For full consideration please ensure that all application materials are uploaded by **December 1, 2014**.

Information about the Data Sciences and Operations department, its faculty and the Marshall school can be obtained at: <http://www.marshall.usc.edu/dso>.

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

Located near the heart of Los Angeles, the University of Southern California is home to approximately 40,000 students and 5,000 faculty members. USC Marshall is renowned for its high-ranking undergraduate, graduate, international and executive education programs, an exceptional faculty engaged in leading-edge research, a diverse and creative student body, and a commitment to technological advancement.

The research productivity of Marshall's 220 full-time faculty ranks among the top 10 business schools in the world.

Professional Opportunities

assistant professors in robotics. While the search is focused primarily in areas of robotics with a Computer Science focus, we are interested in exceptional candidates in all areas of robotics. The search is coordinated by the Department of Computer Science, with participation by the Ming Hsieh Department of Electrical Engineering and the Department of Aerospace and Mechanical Engineering. Whereas candidates are primarily sought at the assistant professor rank, exceptionally qualified applicants at the associate professor and professor ranks may be considered.

Applicants should submit their applications online at: <http://goo.gl/8x6ciL>.

Applications must include a letter indicating the area of specialization, detailed curriculum vitae, a statement on current and future research directions, a teaching statement, and names of at least three professional references. Evaluation of dossiers will start on December 15, 2014, but later applications will also be considered.

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

We expect all candidates to have a strong commitment both to research and to teaching. All applicants must have earned a doctorate in Computer Science or another field closely related to robotics (typically Electrical, Mechanical or Aerospace Engineering) by the date of appointment.

The USC Viterbi School of Engineering is among the top tier engineering schools in the world. It counts 174 full-time, tenure-track faculty members, and it is home to the Information Sciences Institute, two National Science Foundation Engineering Research Centers, a Department of Energy EFRC (Energy Frontiers Research Center), and the Department of Homeland Security's first University Center of Excellence, CREATE. The school is affiliated with the Alfred E. Mann Institute for Biomedical Engineering, the Institute for Creative Technologies and the USC Stevens Center for Innovation. Research expenditures typically exceed \$180 million annually. With 36 tenure-track, 39 research faculty, and 11 teaching faculty, the USC Department of Computer Science is one of the nation's leading centers of research and education in the field.

USC is an equal-opportunity educator and employer, proudly pluralistic and firmly committed to providing equal opportunity for outstanding persons of every race, gender, creed and background. The University particularly encourages women, members of underrepresented groups, veterans and individuals with disabilities to apply. USC will make reasonable accommodations for qualified individuals with known disabilities unless doing so would result in an undue hardship. Further information is available by contacting uschr@usc.edu.

University of Southern California Viterbi School of Engineering

Daniel J. Epstein Department of Industrial and Systems Engineering

Assistant or Associate Professor, Tenure-Track

The University of Southern California, one of the nation's top research universities, invites applications for tenure-track positions in the Daniel J. Epstein Department of Industrial and Systems Engineering in the Viterbi

School of Engineering. Applications for the levels of Assistant and Associate Professor will be considered.

These positions are targeted toward growth in areas of current and increasing importance to the ISE research community, particularly systems analytics, applied statistics, and computational statistics. Demonstrated research potential in broad array of applications including, but not limited to healthcare, energy systems, production, manufacturing, security, transportation, etc, will be especially well-received.

We seek energetic individuals who will participate in the university's research enterprise and engage in classroom teaching at the graduate and undergraduate levels. Successful candidates will establish a strong, externally funded, research program of national prominence while contributing to the core teaching mission of the ISE department. An earned doctorate in a field closely related to Industrial and Systems Engineering is required.

Positions are available starting August 16, 2015. Candidates should apply at ise.usc.edu. Applications should include: a cover letter; curriculum vitae detailing educational background, research accomplishments and work experience; a one-page statement of current and future research; and names of at least four professional references. In order to receive full consideration, all materials should be received by December 5, 2014, but earlier application is encouraged. Interested individuals may contact Professor Julie Higle, Chair of the Daniel J. Epstein Department of Industrial and Systems Engineering (julie.higle@usc.edu).

The USC Viterbi School of Engineering is among the top tier engineering schools in the world. It counts 174 full-time, tenure-track faculty members, and it is home to the Information Sciences Institute, two National Science Foundation Engineering Research

Professional Opportunities

Centers, a Department of Energy EFRC (Energy Frontiers Research Center), and the Department of Homeland Security's first University Center of Excellence, CREATE. The school is affiliated with the Alfred E. Mann Institute for Biomedical Engineering, the Institute for Creative Technologies and the USC Stevens Center for Innovation. Research expenditures typically exceed \$180 million annually.

USC is an equal-opportunity educator and employer, proudly pluralistic and firmly committed to providing equal opportunity for outstanding persons of every race, gender, creed and background. The University particularly encourages women, members

of underrepresented groups, veterans and individuals with disabilities to apply. USC will make reasonable accommodations for qualified individuals with known disabilities unless doing so would result in an undue hardship. Further information is available by contacting uschr@usc.edu.

Wake Forest University

Computer Science

Assistant Professor of Computer Science

Applications are invited for a Tenure-Track Assistant Professor to begin August 2015.

To apply, visit: <http://bit.ly/CompSciProfessor>. Position closes: 1/15/2015.

Wayne State University

Department of Computer Science

Associate and Assistant Professors

Applications are invited for two tenure-track faculty positions at the assistant/associate professor level beginning in Fall 2015. While candidates with research expertise in big data sciences, computational life sciences (e.g., bio/health/medical informatics), and cyber security will receive the strongest consideration, outstanding applicants in other areas (particularly in inter-disciplinary areas) will also be considered. Faculty candidates are expected to have a Ph.D. in Computer Science or a closely related field and to demonstrate potential for excellence



Faculty Positions Available in the Department of Computer Science

The Department of Computer Science at Virginia Tech (www.cs.vt.edu) seeks applicants for up to six tenure-track faculty positions in three areas: artificial intelligence/machine learning, software engineering and data analytics/cyber security. Candidates should have a Ph.D. in Computer Science or related field at the time of appointment, a rank-appropriate record of scholarship and collaboration in computing and interdisciplinary areas, sensitivity to issues of diversity in the campus community and will be required to teach at the undergraduate and/or graduate levels. Selected candidates are expected to travel occasionally to attend professional conferences and meetings.

The two tenured positions seek candidates who can present evidence of high-impact research and publications in top-tier conferences and journals, a strong record of garnering external funding for research and leading a strong research group, and national and/or international visibility through leadership and service in the research community.

Tenure-track Assistant Professor in Artificial Intelligence – Blacksburg, VA

Candidates with expertise in artificial intelligence, including but not limited to natural language processing, speech, computer vision and pattern recognition, perception, knowledge representation, humans and AI, game theory, reinforcement learning, machine learning, reasoning under uncertainty or graphical representation of data including immersive (VR and/or AR) environments and/or gaming are encouraged to apply to this multiple position search. Candidates should have the skills to establish and grow a successful, multidisciplinary research group. Applications must be submitted online to <http://jobs.vt.edu> for posting #TR0140110. Applicant screening will begin on December 15, 2014 and continue until each position is filled. Inquiries should be directed to Dr. Cliff Shaffer, Search Committee Chair, shaffer@cs.vt.edu.

Tenure-track Assistant Professor in Cyber Security – Blacksburg, VA

Candidates with expertise in cyber security, including technologies for and applications in information security, network security, and trustworthy computing are encouraged to apply. We are especially interested in candidates focusing on security issues of cyber-physical systems, embedded systems, sensor networks, robotics, Internet of Things (IoT), etc., to join a coordinated team of five interdisciplinary faculty in Advanced Manufacturing and share common space and equipment, leveraging established labs and the Commonwealth Center for Advanced Manufacturing (<http://www.ccam-va.com/>), a public-private partnership in Virginia. There is an active group of cyber security faculty in CS and ECE collaborating in cyber security research as well as graduate and undergraduate education (see: <http://www.cyber.vt.edu/>). Applications must be submitted online to <http://jobs.vt.edu> for posting #TR0140153. Applicant screening will begin on December 31, 2014 and continue until the position is filled. Inquiries should be directed to Dr. Naren Ramakrishnan, Search Committee Chair, naren@cs.vt.edu.

Assistant/Associate/Full Professor in Software Engineering – Blacksburg, VA

Candidates with research breadth and depth across several areas of software engineering, including but not limited to program analysis, mobile applications, web-based software, software quality, scripting languages, middleware, and parallel computing are encouraged to apply to this multiple position search. Applications must be submitted online to <http://jobs.vt.edu> for posting #TR0140109. Applicant screening will begin on December 31, 2014 and continue until the positions are filled. Inquiries should be directed to Dr. Eli Tilevich, Search Committee Chair, tilevich@cs.vt.edu.

Associate/Full Professor in Data Analytics/Cyber Security – National Capital Region (NCR)

Candidates with research depth and breadth in data analytics, data mining, "big data", data science, or cyber security, including technologies for and applications in information security, network security, and trustworthy computing are encouraged to apply. Candidates working at the intersection of data analytics and cyber security are especially encouraged. Candidates should present a proven ability to initiate and sustain collaborations within computing as well as with application specialists. The Department of Computer Science is home to the Discovery Analytics Center (<http://dac.cs.vt.edu>) that leads "big data" research on campus. Computer science faculty also participate in university-wide efforts at cyber security education and research (see: <http://www.cyber.vt.edu/>).

The successful candidate will contribute to the research and graduate programs in NCR and collaborate with faculty at Virginia Tech's campus in Blacksburg, VA. The NCR campus (www.ncr.vt.edu) is located near the Washington D.C./Falls Church area and houses the Virginia Tech Research Center (www.ncr.vt.edu/arlington) in Arlington, VA. Applications must be submitted online to <http://jobs.vt.edu> for posting #TR0140107. Applicant screening will begin on December 15, 2014 and continue until the position is filled. Inquiries should be directed to Dr. Naren Ramakrishnan, Search Committee Chair, naren@cs.vt.edu.

The Department of Computer Science has 37 research oriented tenure-track faculty and ~10 postdocs/research faculty. There are a total 12 NSF/DOE CAREER awardees in the department. Research expenditures for FY2014 were \$334 thousand per tenure-track faculty member (i.e., a total of \$12.2 million); total research funding at the beginning of FY2015 was \$42.8 million. BS, MS, and PhD degrees are offered, with a growing enrollment of over 610 undergraduate majors (14% women) and over 225 PhD/MS students. In 2010, CS@VT was ranked 5th in the country in recruiting quality of CS undergrads by the *Wall Street Journal*. The department is in the College of Engineering, whose undergraduate program was ranked 8th and graduate program was ranked 12th among public engineering schools in 2014 by *U.S. News & World Report*.

Early applications are encouraged. We welcome applications from women or minorities. Salary for suitably qualified applicants is competitive and commensurate with experience. Selected candidates must pass a criminal background check prior to employment.

Virginia Tech is an AA/EEO employer; applications from members of underrepresented groups are especially encouraged.

Professional Opportunities

in both research and teaching. Salaries and startup package are highly competitive.

The Department of Computer Science has 21 tenured or tenure-track faculty members, with research strengths in the areas of Artificial Intelligence, Bioinformatics, Data Mining, Graphics and Visualization, Software Engineering, and Computer Systems. The research in the department is also highly interdisciplinary with active collaborations with faculty in medicine, engineering, and sciences and with local industry such as Ford. The Department has five NSF CAREER recipients, and an external funding of around \$3M annually. The department currently has over 80 full-time Ph.D. students, along with 130 Master's students, and 380 undergraduate majors. Further information about the department can be found at <http://www.cs.wayne.edu>.

The Department of Computer Science is in the College of Engineering. The College has an annual research expenditure of about \$20M. Information about the College of Engineering can be found at <http://engineering.wayne.edu>. Wayne State University is a Carnegie Research Extensive University offering more than 350 academic programs through 13 schools and colleges, to more than 27,000 students. Wayne State has approximately \$260M annual research expenditures and more than 11,000 graduate students. Wayne State University, in partnership with the University of Michigan and Michigan State University, has a key role in Michigan's University Research Corridor initiative (<http://urcmich.org/>) and is closely involved with TechTown, the area's business incubator (<http://techtownwsu.org/>).

Besides enjoying the beautiful fall scenery as well as winter skiing in Michigan, within a 20-mile radius of Wayne State campus, you will find several Metro Detroit suburbs that are consistently ranked in top 100 in Money Magazine's Best Places to Live (also including

a high school ranked in top 9 in the nation based on US News "2014 Best High Schools National Rankings").

Application Instructions

Applicants should submit a cover letter, statement of research and teaching, and curriculum vitae with the contact information of three references in a single PDF file. For full consideration, applications must be received by January 6, 2015.

Apply online at jobs.wayne.edu (position number: 040637). Nominations and inquiries should be directed to Prof. Loren Schwiebert at loren@wayne.edu.

Wayne State University is an equal opportunity educational institution/equal opportunity employer.

Wellesley College

Computer Science Lecturer

Wellesley College invites applications for a twoyear Lecturer position in Computer Science, starting in July 2015. We seek candidates who are committed to excellence in teaching, spanning introductory through advanced CS courses and including curriculum development. Lecturers teach two courses per semester, engage in mentoring students and department service, and have the opportunity and support to pursue scholarly work. Applicants should have a PhD (ABD considered) in Computer Science or a related discipline. Strong candidates in any area of specialty will be considered.

Applicants should submit a cover letter, curriculum vitae, and statement of teaching interests and accomplishments 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 January 23, 2015 and will be

accepted until the position is filled. If there are difficulties submitting online, please contact working@wellesley.edu for assistance. Questions about the position should be directed to Ellen Hildreth at ehildreth@wellesley.edu.

Wellesley College is especially interested in candidates who can contribute to the diversity and excellence of the academic community through their research, teaching and/or service. We are dedicated to building a culturally diverse and pluralistic faculty, and strongly encourage applications from underrepresented minorities and women.

Wright State University

Department of Computer Science and Engineering

Faculty Position

The Department of Computer Science and Engineering (CSE) at Wright State University (WSU) seeks applicants for a tenure-track Assistant Professor. Successful candidates are expected to have an earned Ph.D. in computer science, computer engineering or a closely related field anticipated by the start date, with outstanding academic credentials, and demonstrable potential to develop a vibrant funded research program that engages graduate students and produces peer reviewed publications. In addition, candidates must possess excellent communication skills and a commitment to engage in both undergraduate and graduate education.

The department seeks faculty specializing in Big Data research. Particular topics of interest include, but are not limited to, data management, integration, analytics, visualization, semantics and ontologies, Internet of Things, social and sensor Web, biomedical and health informatics. Outstanding applicants with potential for collaborations with existing strengths of the department and Kno.e.sis, the Ohio Center of Excellence in Knowledge-enabled Computing

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(<http://knoesis.wright.edu>), are particularly welcome to apply. Exceptional applicants specializing in other emerging research areas may also apply.

The Department has 23 tenured/tenure track faculty members, more than 600 undergraduate, 150 M.S. and ~60 Ph.D. students and offers B.S., M.S. and Ph.D. degrees both in Computer Science and Computer Engineering, and an M.S. in Cyber Security. Information about the Department can be found at: <http://www.cs.wright.edu/cse/>. The Department is located in the Russ Engineering Center and Joshi Research Center, which includes the Kno.e.sis Center and the Appenzeller Visualization Laboratory. The college houses 4 out of 7 of WSU's Ohio Centers of Excellence (<http://webapp2.wright.edu/web1/coe/>). WSU, an institution of nearly 19,000 students, is located on a spacious campus within a growing suburban community. It is surrounded by industry leaders including LexisNexis, Reynolds & Reynolds, CSC, Ball Aerospace, Northrop Grumman, Teradata, and SAIC. WSU is also located adjacent to the Wright-Patterson Air Force Base, which houses the headquarters of the Air Force Research Laboratory. The university is committed to industrial and government partnerships for research and economic development ventures and has a strong institutional commitment to underrepresented groups, women, persons with disabilities, and veterans. Applicants should provide a brief statement of their research, teaching interests, and professional goals. The application should include a cover letter and a complete vita with the names, addresses, telephone numbers and e-mail addresses of at least four references. Applications and supporting information can be completed on-line at: <https://jobs.wright.edu/postings/8219>.

Consideration of candidates begins November 7, 2014 and continues until the positions are closed or filled. Salaries and resources are competitive. For details,

you may contact Prof. Mateen Rizki, Chair, at mateen.rizki@wright.edu, or Prof. T.K. Prasad at t.k.prasad@wright.edu.

Wright State University, an equal opportunity/affirmative action employer, is committed to an inclusive environment and strongly encourages applications from minorities, females, veterans and individuals with disabilities.

Professional Opportunities

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