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

Executive Q&A: Jeannette M. Wing, Head of Microsoft Research

Microsoft is a Lab and Center member of CRA. This article is the second in a series of our **industry member profiles.**

Jeannette M. Wing joined Microsoft Research in January 2013, after holding positions in academia and government, most recently at Carnegie Mellon University and the National Science Foundation (NSF). From 2007 to 2010, she served as assistant director of the Computer and Information Science and Engineering Directorate at the NSF. Wing is a former CRA board member and recipient of the 2011 CRA Distinguished Service Award. Her areas of expertise are in trustworthy computing, formal methods, concurrent and distributed systems, programming languages, and software engineering.

You are recognized as one of the originators of the concept of "computational thinking". How do you feel this concept is progressing?

Ten years ago, I published my viewpoint on "computational thinking" in *Communications of the ACM* to advocate that understanding concepts in computer science can benefit anyone, regardless of discipline, occupation, or profession. I could not be more gratified to see how computational thinking has been embraced fully by colleges and universities around the world, by their providing introduction to computer science classes that go beyond just programming. But exceeding my expectations is the progress we as a community have made at the K-12 level. The UK Department of Education 2013 mandate to teach computing at all grade levels sets an example for the rest of the world. President Obama, in his 2016 State of the Union address, set a goal for the US to provide computer science education to all. And China's Ministry of Education will announce by the end of this year that starting September 2017 computational thinking will be a required core competency for high school graduation. I am grateful to the entire computer science community, the education community, and funding agencies, such as the NSF, for their help to make this vision become a reality.

How do educational programs in the US need to change to meet the needs of the future?

Minimally, all high school students should have access to a computer science course. Ideally, taking a computer science course would be a high school requirement. This course should teach foundational concepts of computing, not just computer programming. Many major metropolitan areas, such as New York City, Chicago, and San Francisco, are already moving in the direction of mandatory learning of computing by pre-college students, so I am optimistic we can achieve the minimal goal over time. At the college level, computer science should count toward relevant distribution requirements; for example, if not a required course for all graduates, as it is at Carnegie Mellon University, computer science should at least count toward a science, analytical thinking, or quantitative reasoning requirement.

What's your view of the role of industry labs in the computing research ecosystem?

The famous tiretracks diagrams published by the National Academies argue the importance of the academia-government-industry ecosystem in information technology for the economy and society. Innovation in computing is accelerated by this vibrant ecosystem, largely due to the free flow of people and ideas between academia and industry, with government funding research that industry would not and seeding both early exploratory and technology incubation efforts. This research ecosystem has led to billion dollar businesses that benefits not just the US, but society at large.

Industrial research labs, including Microsoft Research, play a critical role in this ecosystem. First, as a driver of research: Industry brings to the research agenda real-world problems, at a scale and along a multitude of dimensions

that is unfathomable in academia. Solving these problems can in turn have real-world impact on billions of people, and generate new research questions. Second, talent: Industry demand for talent is met by academia, where Ph.D. students are trained, often funded by government grants. Third, resources: Industry can give academics access to resources, such as data sets and computational infrastructure, that would otherwise be unavailable to them. While the government might be able to fund some shared infrastructure, the data sets are unique to companies and invaluable for advancing state of the art in computing.

How has Microsoft remained committed to supporting fundamental research efforts despite economic pressures to curtail work with longer-term potential payoff?

Microsoft's commitment to research starts from the top, with Satya Nadella, the CEO of Microsoft. He and the company understand the importance of fundamental research and the long horizon timeframe of research. Nearly every Microsoft product and service has been touched by research from Microsoft Research (MSR). When the company decided to build the search engine Bing, it turned to MSR, which had been doing research in information retrieval, search, and machine learning for years. Skype Translator, which now supports nine languages, would not exist were it not for MSR's long-term investments in speech, machine translation, and natural language processing. The HoloLens relies on the fundamental research MSR has done in computer vision, audio processing, and gesture recognition. Azure continues to benefit from MSR's research in distributed systems, storage systems, networking, algorithms, and economics. Any company, especially with increased competition, will feel the pressure to show short-term benefits to its shareholders, even from its research division. It takes a strong and visionary leadership to take a long-term view in committing to fundamental research.

What are some of the most exciting opportunities and challenges you face as head of Microsoft Research Labs?

Microsoft just announced that it is going big in AI. Our focus is on humans and machines working together in partnership. This focus provides a tremendous opportunity to Microsoft researchers in both artificial and human intelligence, e.g., machine learning, speech, vision, natural language processing, human-computing interaction, situated interaction, and hybrid intelligence. There are exciting opportunities to pursue research in conversational agents, chat bots, personal assistants, and augmented and virtual reality devices and systems. But it is also a tremendous opportunity for our systems researchers in two ways: systems for AI and AI for systems. For the former, what kind of new systems architecture, including configurations of FPGAs and GPUs, is needed to make AI applications run more effectively and efficiently? For the latter, how can we infuse AI and machine learning into the cloud to increase its availability, reliability, and performance? I'm especially excited about two emerging research areas: economics and AI (e.g., to incorporate high-dimensional data into novel economic models with which to do predictions and recommendations) and social science and AI (e.g., to reason about fairness, accountability, transparency, and ethics in our AI-based systems). Finally, extrapolating into the future, I believe we need to invest more in computational neuroscience, to better understand humans at the neural level in designing our computing systems and to better understand how humans compute to inspire new models of machine computation.

While Microsoft is going big in AI, Microsoft Research continues to serve the entire company. Microsoft's products and services, from Surface to Windows to Azure to Office and everything in between, require expertise in the breadth of computer science. Our core computer science strengths in distributed systems, networking, databases, storage systems, programming languages, formal methods, software engineering, security, and privacy are tapped everyday by our product teams. Our researchers, especially our economists and social scientists, work not just with our engineering groups, but with sales and marketing, civic engagement, policy, and even human resources. Further out into the future, we are anticipating novel computing substrates with our big bets on quantum computing and biological computing.

Looking far into the future for the computing field more broadly, I see an era of computing where uncertainty is a first-class citizen. (I credit MSR Cambridge Lab director, Chris Bishop, for that phrase). From the chip level through the systems level to the application level, we will no longer hide approximation, failure, and statistical variance, but we will embrace it. This view means we will need to marry symbolic

(logical) reasoning with probabilistic reasoning. We see research already along these lines, albeit at separate layers: approximate computing at the hardware layer, probabilistic programming at the systems layer, and probabilistic-based inference systems at the application layer. Two drivers for this view are the advent of AI applications that are based on statistical methods; and the advent of sensor data which are noisy and incomplete. The human-cyber-physical systems of tomorrow will have to deal with the inherent uncertainty of their environment, where uncertainty is due to unpredictable system failures, Mother Nature, and the malicious attacker.

What is your vision for Microsoft Research in the next 5-10 years?

Microsoft Research is a gem. It has incredibly smart, energetic, and talented people. It does world-class research in computer science and other related fields. It is the envy of many in academia and industry worldwide. To make this precious gem shine more brightly, Microsoft Research is focused on doing higher impact projects, in terms of both scientific and company impact. My dream is for Microsoft Research to make a scientific breakthrough that transforms not just Microsoft, but the entire computing industry. At Microsoft Research, I use the mantra "Think Bolder, Aim Higher" to encourage people to reach for the moon.

Could you describe how Microsoft Research collaborates with academic researchers?

At Microsoft Research, we partner very closely with academia, through hosting visiting faculty, post-docs and student interns; working on joint projects and publishing together; attending conferences together; and serving on university advisory boards. I like to think academia is an extension of Microsoft Research and vice versa. The sheer scale of Microsoft's involvement with academia is astonishing. In our 25 years, we have published over 23,000 joint papers with over 22,000 authors from over 1,500 institutions outside of Microsoft. But more importantly than numbers, are the close, deep, and long-term relationships we have with colleagues in academia. The value of those relationships is immeasurable.

Last fall, you wrote a blog post about the importance of federal research funding. What inspired you to write this post?

In 2014, the American Academy of Arts and Sciences published the report *Restoring the Foundation: The Vital Role of Research in Preserving the American Dream*. I was on the committee that helped write the report. This past May, with report in hand, I testified before the Senate Commerce, Science, and Transportation Committee to keep the report's message alive in the minds of Congress. This is the message: Federal funding of basic research in science and engineering is critical for the nation – for economic growth, the health and wellbeing of individuals and society, and protecting national security. In my blog post, I saw an opportunity to draw this analogy: Investing in fundamental research is as important for the nation's future as it is for Microsoft's future.

It's Not About the Money: Optimizing Academic-Industrial Partnerships

By Andrew Moore, dean, School of Computer Science, Carnegie Mellon University

Today, more than ever, industry leaders are looking to partner with academic computer science programs. With available computer science expertise at a premium, they're looking for ideas, for new hires, and for help on crucial projects. Universities are the mother lode for the personnel and expertise they crave. On July 18, I presented at the CRA Conference at Snowbird session titled "Local Corporate Labs, Centers and Development Offices: Optimizing Department/Industry," which explored the growth of corporate lab culture, and I'd like to share some of insights from that talk.

These partnerships are just as enticing from the university side. Corporate partners bring the promise of funding, of real-world problem-solving experiences for students, and of employment opportunities for graduates.

But like any relationship, industry-academic partnerships do best when each member understands the other's needs, wants, and exactly what it takes to fulfill them. Failure to do so means some relationships flounder and those that were never meant to be can go unrecognized as such until it's too late.

One benefit that all of these partnerships have in common is also the easiest to understand: access to students. When Google funded a project at Carnegie Mellon University to develop new technologies for the Internet of Things and when Boeing sponsored development of engine controllers that predict when to perform engine maintenance, these organizations gained access to some very smart and enthusiastic students. That means plenty of fantastic ideas will be explored. These companies also gained a leg up on recruiting those students once they graduate.

The students, of course, are exposed to the real-world problems and constraints facing a major technology company, not to mention professional connections that might translate into a job in the future.

The value in forging relationships with the best technology students is so strong that seldom will a company feel that its partnership with academia was a waste of time. But for a happy long-term relationship, it's best to start correctly and avoid a lot of unnecessary stops and starts.

First, an academic organization needs to understand whether it is dealing with a technological "have" or "have-not," because expectations of each are different. The "haves" already have computer scientists on board and already have technological services or products in the marketplace.

The model I find useful in working with haves is a donut. At the center of the donut, you can expect these companies to have strong computer scientists working on the core technology of the business. This usually is not a good place for a university partnership to add value. Just negotiating the non-disclosure agreements and other intellectual property safeguards can be insurmountable. But the value of the partnership grows as you move away from the donut's center and the company, faculty, and students can explore areas that are high risk but might prove important in the future. This is the sweet spot.

Once you move too far from the core technology, beyond the outer edges of the donut, usefulness drops off. I know of no Fortune 500 company that would be excited to partner on medieval organ repair, for instance. Therefore, academic-industrial partnerships need to focus on that donut centered on the company's core business.

The "have-nots," of course, are companies that were not founded on the basis of advanced computer science. They may possess minimal computer science expertise, but recognize that they need to keep pace in their industry. This might be a heavy equipment manufacturer that needs help automating one of its machines. Or it could be the retailer that wants to use machine learning to assess customer happiness or which coupons drive customer loyalty and which ones don't.

More than that, the have-nots need academic expertise so they can be confident that what they might bet their future on is, in fact, the state of the art, not some technological sleight of hand.

Matching a company's objectives and goals with those of a faculty member or a research group is critical. If a faculty member isn't interested in the same technologies or innovations that the company is interested in, the odds are the relationship will always be strained.

But it's more than just finding the right faculty members – it's finding the right number of faculty members.

We have a tendency in academia to want to give everyone a slice of a new funding pie. The problem is that while $2 million or $5 million can enable some exciting results, it can't sustain very many investigators. The slices simply become too thin. At some point, these mini-projects just become small side projects for a large group of faculty. It's better to keep the focus on a small, interested set of faculty, so each member's slice of the pie provides the wherewithal to accomplish something useful.

After all, if the deliverable to an industrial partner devolves into a dozen research papers stapled together, the relationship isn't working well for anybody.

Another potential problem – and a good one to have – is so-called "poaching." In some cases, companies will want to take the relationship with faculty members to the next level and hire them outright. That's not always a bad thing. I believe faculty members have the right, and the need, to go where their career leads them. It can even be beneficial for everyone involved when researchers spend a few years in academia and explore the unknown, and then go to industry to turn their discoveries into products and services that can change the world. It's even more beneficial when those same people cycle back through academia to share their experiences, teach new students, and make more discoveries.

But academia also must be on guard as losing too many faculty members can undermine a school's mission. We need to be sure that service as a faculty member remains as rewarding as possible for researchers and that we're eliminating impediments that can distract and disrupt a research program.

Academic-industry partnerships make sense when you use them to forge back-channel friendships, provide students with exposure to important problems or emerging technologies, and when universities can help nurture local companies. But universities need to ensure that they don't become "work-for-hire" shops for the have-nots.

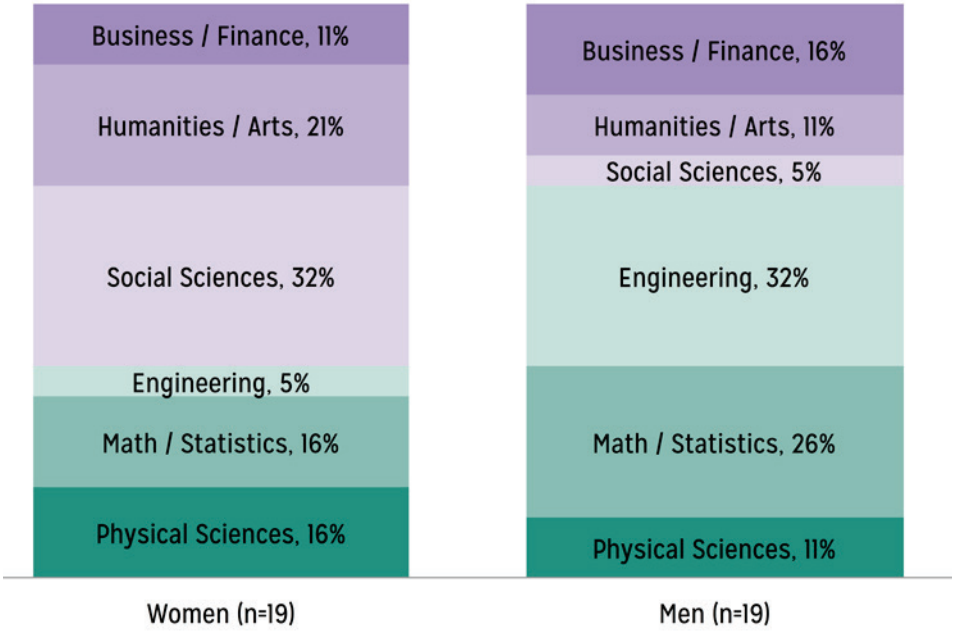
In the end, the funding is the least important thing we get out of these partnerships. What's more important is the links we develop to businesses and the people in them who, like us, are trying to change the world. We need to have partners whose strategy, goals, and even corporate culture align with and advance our own. That's a win-win for everyone involved.

After Leaving Computing, New Majors Tend to Differ by Gender

Burçin Tamer, CERP Research Scientist, and Jane Stout, CERP Director

As computing departments across the U.S. wrestle with increased enrollment, it is important to recognize that not everyone who becomes a computing major stays a computing major. In 2014, CERP collected data from a cohort of U.S. undergraduate students who agreed to be contacted for follow-up surveys in 2015. While most of the students surveyed remained computing majors (96%), some students changed to a non-computing major. As shown in the graphic above, students in our sample moved to a variety of majors, and the type of new major tended to differ by gender. Most men (69%) who left a computing major switched to engineering, math/statistics, or physical science majors. On the other hand, most women (53%) tended to move to social sciences, or humanities/arts. These data are consistent with existing social science research indicating women tend to choose fields that have clear social applications, such as the social sciences, arts, and humanities. CERP's future analyses will explore why women, versus men, say they are leaving computing for other fields.

Note this summary of longitudinal survey data is suggestive and is intended to spur further empirical investigation. Given our sample size, we did not run inferential statistics and do not claim the gender differences are significantly different. As such, the findings reported here should be interpreted with caution.



Notes. There were 4,061 undergraduate students who responded to CERP's survey in 2014. Of those students, 2,915 (72%) agreed to be contacted for follow-up. When we contacted them in 2015, 1,026 (35%) completed our follow-up survey. Of those who responded to the follow-up survey, 943 (92%) were in a computing major, 77 (7%) were in a non-computing major, and 6 (1%) were undecided in 2014. In 2015, 902 (96%) of the students in a computing major in 2014 were still in a computing major while 40 (4%) left computing for another major or were undecided about their major, and one student did not report their major in 2015. Among the 40 students who left their computing major, only 38 are represented above because 2 students did not report their new major. The percentages in the graphic do not add up to 100% due to rounding errors.

CERP
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Evaluation

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Expanding the Pipeline: The 2016 ACM Richard Tapia Celebration of Diversity in Computing Shows Inclusion Matters

By Jerri Barrett, Center for Minorities and People with Disabilities in IT

About the Center for Minorities and People with Disabilities in IT (CMD-IT)

The vision of CMD-IT is to address the national need for an effective workforce in computing and IT through inclusive programs and initiatives focused on minorities and people with disabilities. CMD-IT's mission is to insure that underrepresented groups are fully engaged in computing and IT and to promote innovation that enriches, enhances, and enables underrepresented communities. CMD-IT hosts the annual ACM Richard Tapia Celebration of Diversity in Computing conference, and organizes programs focused on professional development, community enrichment, and information dissemination. For more information, please visit www.Cmd-it.org.

Get Involved

Encourage undergraduate and graduate students, professionals, researchers, and faculty to participate in the Richard Tapia Celebration in 2017. Sponsorship and scholarship opportunities will be available. For more information, please visit www.tapiaconference.org.

2016 ACM Richard Tapia Celebration of Diversity in Computing

The 10th annual ACM Richard Tapia Celebration of Diversity in Computing (hashtag #Tapia2016) was held in Austin, Texas, on September 14-17. This year's conference had a record-breaking 965 attendees, achieving 20 percent growth over 2015. Eighty sponsors and 150 colleges and universities were represented. With the theme "Diversity Matters," the Tapia conference brought together students, faculty, researchers, and professionals from all backgrounds and ethnicities in computing, and is the premier venue to promote and celebrate diversity in the field. The Tapia conference was sponsored by the Association for Computing Machinery (ACM) and presented by the Center for Minorities and People with Disabilities in IT (CMD-IT).

Program highlights included plenary presentations by Raquel Romano, senior software engineer, Google, who presented "Redefining Inclusion: Technology as an Act of Service"; Melanie Moses, associate professor of computer science, University of New Mexico, who gave a talk titled "Emergence, Cooperation and Diversity: The Evolution of Natural and Engineered Swarms." Plenary speaker Daniel Sonnenfeld, technical program management director, Salesforce, delivered his talk, "Overcoming Barriers for Careers in Information Technology," in American Sign Language. The Ken Kennedy Distinguished Lecture, titled "Scientific Computing in the Movies and Virtual Surgery," was delivered by Joseph Teran, professor of applied mathematics, UCLA. The plenary panel, "Shifting the Paradigm: A Dialogue with Chief Diversity Officers," featured Lesley Slaton Brown, chief diversity officer, HP, Inc; Gwen Houston, chief diversity officer and general manager, Global Diversity and Inclusion, Microsoft; Drew Valentine, vice president, People and Culture, IBM Analytics; and Meghan Welch, chief diversity and inclusion officer, senior vice president, Human Resources, Capital One.

The conference's closing banquet was highlighted by an inspiring keynote address by Richard Tapia, Maxfield-Oshman Professor in Engineering at Rice University and the conference namesake. His speech reviewed his career from the beginning, when he was the first member of his family to attend college, to his receipt of the National Medal of Science, the highest national honor for a U.S. scientist, from President Barack Obama.

The Richard A. Tapia Achievement Award for Scientific Scholarship, Civic Science and Diversifying Computing award was presented to David Patterson, Pardee Professor of

Computer Science, Emeritus at the University of California at Berkeley. The award honors an individual who demonstrates significant leadership, commitment, and contributions to diversifying computing.

The Tapia conference featured 18 panels and workshops and 17 birds-of-a-feather sessions. The Tapia conference poster competition included 48 graduate and undergraduate posters. There were 240 scholarship recipients and 14 doctoral consortium participants. The Tapia Conference hosted a career fair during the conference that featured more than 80 universities, national laboratories, government agencies, corporations, and nonprofits, as well as an industry poster session, which provided an opportunity for conference participants to learn about career paths and/or diversity initiatives at organizations that are Tapia conference sponsors. The career fair was attended by 534 students – 351 undergraduates and 184 graduate students – in addition to other conference participants.

What Attendees Learned

Some of the key learnings in diversity from the conference included:

- It is important for corporations to train everyone in issues relating to accessibility. One example highlighted during the fireside chat: "Using Technology and Social Media to Diversify Computing" was given by Damien Peters, product manager, Facebook, who spoke about the company's empathy labs that enable Facebook employees to understand how Facebook is experienced by the visually impaired. Giving employees this experience enables the company to deliver products that work for everyone.
- It is critical to be aware how easy it is to take access and networks for granted. Also, it is vital to constantly create opportunities for students and employees to have access to education (including funding), employment, and advances in technology.
- It is important to recognize that a diverse workforce is more attractive to corporate customers who ask, "Do you have people like me who understand my issues?" (source: IBM) Examples of efforts to build and retain a diverse workforce discussed during the plenary panel "Shifting the Paradigm: A Dialogue with Chief Diversity Officers" included

creating a diverse board of directors (HP); creating a broad suite of benefits that enable employees to create the benefit package that works best for their situations (HP); developing a culture that recognizes that ideas can come from anywhere and making sure that all voices are heard and matter (Capital One); and creating employee resource groups and underwriting communities that can provide a supportive environment for employees (Microsoft).

- In addressing issues around employees with disabilities to assure their inclusion, Microsoft has introduced the role of chief accessibility officer to create visibility for issues around accessibility in the C-suite. In his plenary talk, which was delivered in American Sign Language, Daniel Sonnenfeld of Salesforce highlighted that, as his career has advanced, technology has evolved as well. He recommended that organizations need to actively recruit applicants to apply from all backgrounds and proactively ask applicants if they need any kind of accommodations for the interview process.
- It is vital to recognize the an ongoing issues of conscious and unconscious bias. "Bias Busters @ University Workshop: A Carnegie Mellon/Google Collaboration to Address Unconscious Bias" highlighted the fact that inclusion needs allies to make changes happen. Exposing more people in both academia and industry to these workshops helps to recruit more allies to support diversity.
- Many organizations are focusing their investments in the future of computing on interventions at the K-12 level to increase access to technology in underserved communities. The "Engaging Students of Color in Computer Science" panel discussed successful practices for engaging children in underserved communities, including basing projects on social justice–i.e., projects that will uplift the community the students live in, promote social support through both peer and mentor relationships, and engage the community, including parents and other family members, as the programs progress.

The critical questions raised early in the Tapia conference were what efforts will move the needle to generate more diversity in all areas of technology and what methods will be necessary to sustain the advancement of these efforts. The above panels and discussions are merely a short list of some of the efforts highlighted during the conference. Moving forward, CMD-IT and the Tapia conference will continue to focus their efforts on increasing diversity in technology. The Tapia conference website mentions some of the reasons why diversity is important:

- Diversity matters for innovation: Solutions derived from restricted, homogenous perspectives are likely to be sub-optimal often missing key insights necessary for broader, more impactful, simply better outcomes.
- Diversity matters for knowledge: When we join forces with diverse disciplines, the mergers of computational thinking with other scientific and artistic domains can render unique and compelling solutions that help us tackle the hardest problems facing our world.
- Diversity matters for life: Computing advances do not occur in a vacuum; they are not disconnected from our societal challenges. Both science and society benefits when we enable people from all groups to leverage their talents and passions to explore novel ways to change the world.

The next ACM Richard Tapia Celebration of Diversity in Computing will take place from September 20-23, 2017 in Atlanta, Georgia.

About the Author

Jerri Barrett is a marketing professional who has worked in the technology industry for almost 30 years. She is currently vice president of outreach for a biotech-focused nonprofit and provides marketing and public relations support to CMD-IT. Previously, Barrett was the vice president of marketing of the Anita Borg Institute and a marketing executive at tech startups IP Unity, HighWired, and LinkAir, as well as Glenayre, Nortel, and Frontier. Barrett has an MBA from the University of Rochester's William E. Simon Graduate School of Business Administration and a BA from Mount Holyoke College.

How to Engage Your Alumni: The Story of UMD's New Iribe Building

By Samir Khuller, University of Maryland

As computer science departments across the country grow rapidly, we all may feel overwhelmed by the staggering growth of our enrollments. While faculty growth still has not caught up with the influx of students, we cannot be anything but happy at the diversity of students who are choosing to become computer science majors. Many people may believe that alumni engagement begins after students earn their diplomas. That assumption is false. Alumni engagement begins the moment that students start their education in our departments. With planning, outreach, and genuine interest in their lives and careers, we make alumni engagement an important part of our mission in the Computer Science department at the University of Maryland (UMD).

A Home for Alumni

While our effort has involved significant work, it has been really fun. Many folks in the department have worked together on common initiatives such as student recruitment events, faculty-hosted parties, alumni events, and more. To me, this collaboration was very exciting to see, and I am still amazed by our ability to work so hard and effectively together. While the start of our reconnecting with alumni was the planning for the 40th anniversary of the founding of our department, alumni engagement eventually took on a life of its own. Since becoming a professor at the University of Maryland, I have loved interacting with my former students. I am in touch with nearly all of them and, for me, alumni engagement is just spreading that sentiment a little bit further. I strongly believe that the CS department is their home and the best place for alumni to reconnect with old friends.

While planning the 40th anniversary party three years ago, the department reached out to several thousand alumni, created an alumni mailing list, and invited them all back to the campus. Since that time, we have hosted a variety of dinners, campus events, and receptions across the country. The goal of these events was to reconnect alumni with each other and with us. While the 40th anniversary party was an impetus for our efforts, we continued to discuss ways to make sure that our alumni know that we are interested in their lives and fully invested in their professional success.

At one point during this process, on a visit to a west coast company, I was quite surprised to discover that two alums belonged to the same team, but they had no idea that they were both UMD CS graduates (one from graduate school, the other undergraduate) or that they had attended UMD at the same time. That incident underscored for me the importance of bringing alumni together. Our alumni should know each other, and they should form social and work connections. We want our students to be proud of the education that they have received at UMD and to recognize that excellence in each another. Many former students now tell me that when they moved to a new area they hardly knew anyone, but these alumni-oriented events helped them reconnect with old friends, and helped them to make new ones.

In addition to hosting events, we also developed several other alumni engagement strategies. We send departmental updates multiple times a year, give awards to alumni for their contributions to the field of computing, and recently built an alumni wall of fame. This helps our current and future students understand that we are very invested in their careers.

Our story about the building of the Iribe Center at UMD started with a tragic day in June 2013. Alumnus Andrew Reisse was killed in a car accident while walking in a crosswalk on his way back to work at Oculus, which was then a small virtual reality startup, in Irvine, California. At Reisse's memorial service several days after the accident, Stacey Locke, UMD's senior director of development, and I met Oculus CEO Brendan Iribe and Oculus chief software architect Michael Antonov, both of whom are alumni, and many of Andrew's family and friends, who mentioned that they were interested in founding a scholarship in his name. We kept in touch with Iribe and Antonov.

In February 2014, we invited Iribe and Antonov to visit the department for a day, before they gave an opening keynote

address for Bitcamp, our student-run hackathon. About two weeks before their visit, Facebook announced that it was purchasing Oculus for $2 billion. Worried that Iribe and Antonov would cancel their campus visit due to much larger personal and business concerns, Locke contacted Iribe's assistant and learned they had no plans to cancel. After a tour of our facilities during that visit, Iribe recognized our need for space and how we could really benefit from a new building. He stated that he was now in a position to help us and expressed his interest in creating a new home for the computer science department with a $30 million gift to create the Iribe Center. As it turned out, he was not the only person interested in helping.

A Combined Effort

More than 100 of our alumni came together to make the dream of a new building a reality. They made donations, established scholarships, and reconnected with the department in ways that I didn't think were possible. For example, they have recruited interns, mentored students, and hosted dinners at their own homes. We have grown as a community and continue to keep in touch. And we know that we have to learn about our undergraduates and graduate students while they are here with us, so that we can continue developing our relationships with them after they graduate. Again, this has involved sponsoring student events, such as hackathons, and organizing more social events.

Thanks to generous contributions from alumni and dedication from faculty and staff, we broke ground on the Brendan Iribe Center for Computer Science and Innovation last July, and it is scheduled to open in fall 2018. At that time, the gleaming $150 million facility will be one of the first buildings that visitors see at the university, a 215,000-square-foot building located at the front gates of our campus. The Iribe Center will be an integrated space for classrooms, faculty, staff, and graduate student offices, along with space for labs, collaborative work, and a 6,000-square-foot makerspace. The building will feature the 300-seat Antonov Auditorium, as well as a rooftop park named for Andrew Reisse. We fully expect that this new space will support our rapidly growing undergraduate student population, our graduate students, and our (we hope) additional faculty. We plan to have a lot of collaborative spaces, which we hope will give our students and faculty the opportunity to showcase their projects.

Inspiration From Other CS Departments

While planning the new building, we visited several campuses and inspiring CS departments including Carnegie Mellon University (Gates and Hillman Centers), University of Washington (Paul Allen Center), University of Texas at Austin (Gates-Dell complex), and Cornell University (Bill & Melinda Gates Hall). Every one of these buildings is slightly different, of course, but a few common themes emerged. It is very important to design spaces to maximize interaction, which is a feature our current building lacks. We currently have no "center" in the A. V. Williams Building. It resembles a sprawling octopus without a head as though it was designed to minimize interaction!

This brings me to another point: Spaces are a critical component in driving the culture of a place. There are spaces that are inspiring and collaborative, and spaces that are dull and minimize interaction. This lack of a center at the A. V. Williams Building makes it difficult for people to meet and talk. One example is the Bytes coffee shop, which has no seating near it. As a result, people take their food or coffee back to their desk and don't engage with each other at all. Also, the location is not ideal. If a colleague and I visit it about a minute apart, we are unlikely to run into each other.

Fostering a Collaborative Culture

We hope that our new building will help us further foster a culture that is open and collaborative, one that matches the architectural design of the space that we so desperately need. The building project has received huge support from the state of Maryland, college administration (especially president Wallace Loh and our provost Mary Ann Rankin), and the facilities department. Hundreds of alumni have rallied to support this goal, and we have received significant financial and logistical support from the faculty. Our space committee who has worked tirelessly and closely with HDR, Inc., our architectural firm, and Whiting-Turner, the construction firm, to see this project through. The space committee co-chairs, professor Neil Spring and professor Jeff Hollingsworth, have worked overtime on the design and providing feedback to architects and working with Ben Clarke and Bob Martinazzi from campus facilities. Emeritus professor Bill Pugh and I have worked very closely with Locke (university relations), the project's lead fundraiser.

In summary, this is a major undertaking for any department, but it will have a critical impact for our faculty, staff, and students. It is well worth the effort. The building project has helped connect us with our alumni, and has also brought the department together to work toward a common goal.

Looking Forward

In the next decade, our aspirations are to create a space where we have significant participation in hackathons and events, not just from CS students, but from students all over campus who come to witness the underpinnings of the technology that impacts their daily lives (and which they usually take for granted). We hope that the resulting impact will affect thousands of UMD students, and we hope to see extensive research collaboration between CS and other departments, especially the Maryland Robotics Center, as well as other labs in the Iribe Center.

The four keywords I use to describe our new building are "dream," "learn," "innovate," and "collaborate." I hope to issue the next post while sitting in my new office in the Iribe Center.

About the Author

Samir Khuller is chair of the computer science department at UMD. He received his Ph.D. from Cornell University. His research interests are in graph algorithms, discrete optimization, and computational geometry. He has published approximately 150 journal and conference papers, and several book chapters on these topics. He is an associate editor for the journal *Networks*, and served on the ESA Steering Committee from 2012-2016. He has received the National Science Foundation's Career Development Award, several department teaching awards, the Dean's Teaching Excellence Award, and a CTE-Lilly Teaching Fellowship, among other honors.

Thoughts from White House Frontier's Conference and the National AI R&D Strategic Plan

This article was co-authored by CCC Staff, Greg Hager, Computing Community Consortium (CCC) past chair and professor in the Department of Computer Science at Johns Hopkins University, and Beth Mynatt, CCC chair, professor and director of Georgia Tech's Institute for People and Technology.

Last month, the President hosted the White House Frontiers Conference in Pittsburgh, an event that was co-hosted by the University of Pittsburgh and Carnegie Mellon University and attended by hundreds of scientific leaders in our community.

The Computing Community Consortium (CCC) chair and director attended the event, which had many speakers from previous CCC events.

The Frontiers Conference presentations and panel discussions were inspiring and thought provoking. I came away impressed with the scale of the scientific visions described and am doubly committed to working on the tough challenges that face our community. – Beth Mynatt, CCC Chair

You can see the President's remarks and panel discussion on the future of health and medical research here.

This event was coordinated with the release of two reports. In an earlier post, we highlighted a report released by the White House on the future directions and considerations for AI called Preparing for the Future of Artificial Intelligence.

Although it received less press, a companion report, the National Artificial Intelligence Research and Development Strategic Plan, was also released last week. This report was drafted by the National Science and Technology Council Networking and Information Technology Research and Development (NITRD) Task Force on Artificial Intelligence and lays out a strategic plan for Federally-funded research and development in AI. The goal is "to produce new AI knowledge and technologies that provide a range of positive benefits to society, while minimizing the negative impacts."

To achieve this goal, this AI R&D Strategic Plan identifies the following priorities for Federally-funded AI research (some of which also appear in the White House release):

Strategy 1: Make long-term investments in AI research. Prioritize investments in the next generation of AI that will drive discovery and insight and enable the United States to remain a world leader in AI.

Strategy 2: Develop effective methods for human-AI collaboration. Rather than replace humans, most AI

White House Frontiers Conference Panel on the Future of Health and Medical Research. Photo credit: Ann Drobnis.

systems will collaborate with humans to achieve optimal performance. Research is needed to create effective interactions between humans and AI systems.

Strategy 3: Understand and address the ethical, legal, and societal implications of AI. We expect AI technologies to behave according to the formal and informal norms to which we hold our fellow humans. Research is needed to understand the ethical, legal, and social implications of AI, and to develop methods for designing AI systems that align with ethical, legal, and societal goals.

Strategy 4: Ensure the safety and security of AI systems. Before AI systems are in widespread use, assurance is needed that the systems will operate safely and securely, in a controlled, well-defined, and well-understood manner. Further progress in research is needed to address this challenge of creating AI systems that are reliable, dependable, and trustworthy.

Strategy 5: Develop shared public datasets and environments for AI training and testing. The depth, quality, and accuracy of training datasets and resources significantly affect AI performance. Researchers need to develop high quality datasets and environments and enable responsible access to high-quality datasets as well as to testing and training resources.

Strategy 6: Measure and evaluate AI technologies through standards and benchmarks. Essential to advancements in AI are standards, benchmarks, testbeds, and community engagement that guide and evaluate progress in AI. Additional research is needed to develop a broad spectrum of evaluative techniques.

Strategy 7: Better understand the national AI R&D workforce needs. Advances in AI will require a strong community of AI researchers. An improved understanding of current and future R&D workforce demands in AI is needed to help ensure that sufficient AI experts are available to address the strategic R&D areas outlined in this plan.

The AI R&D Strategic Plan closes with two recommendations:

Recommendation 1: Develop an AI R&D implementation framework to identify S&T opportunities and support effective coordination of AI R&D investments, consistent with Strategies 1-6 of this plan.

Recommendation 2: Study the national landscape for creating and sustaining a healthy AI R&D workforce, consistent with Strategy 7 of this plan.

See the full National Artificial Intelligence Research and Development Strategic Plan to learn more.

South Big Data Hub DataStart Highlights

By Khari Douglas, CCC program associate

As a result of the CCC / CRA Industry Academic Survey, conducted in spring of 2015 and the CCC Industry Roundtable Discussion held on July 24, 2015, the CCC partnered with the four NSF-sponsored Big Data Regional Innovation Hubs (BD Hubs) for a program on industry-academic collaboration. Each Hub is charged with addressing regional specific big data challenges. Areas of emphasis for the South BD hub include coastal hazards, industrial big data, and health analytics, among others.

As one of its CCC-sponsored activities, the South BD Hub ran the DataStart internship program, which paired graduate students from the South Regional Innovation Hub with data-related startup companies for three months.

The program had three primary goals:

- Provide talented students from the southern United States with opportunities to apply their classroom knowledge to data science problems in real-world settings.
- Build capacity for data science and big data analytics within the entrepreneurial business community in the Southern United States. Many new ideas and innovations in data science will come from early-stage, startup companies. The South Big Data Hub must engage and support this entrepreneurial sector if it is to help grow the regional and national data-driven economy.
- Expand the South Big Data Hub and larger data science community by fostering a network of entrepreneurs and smaller companies that utilize data science and analytics.

After a comprehensive review process, the South BD Hub chose six students from different universities to work onsite with their host companies from June 1 to August 31, 2016.

The 2016 DataStart Fellows and companies were:

Student: Samia Ansari, University of Georgia
Host company: Sartography, Staunton, VA

Ansari, a student in the professional science master's program in biomanufacturing and bioprocessing, characterized the representation of women and racial minorities in cancer research conducted between 2002 and 2012. She also worked to characterize and spot trends about women and minorities' participation in cancer trials during that time.

Student: Lucy D'Agostino McGowan, Vanderbilt University
Host company: Gun.io, Nashville, TN

D'Agostino McGowan, a PhD student in biostatistics, incorporated raw data streams from Google Analytics, Slack and other sources to create a foundation for predictive modeling for Gun.io, a company that assembles remotely-managed freelance software development teams for companies worldwide.

Student: Aziz Eram, University of Arkansas at Little Rock
Host company: Black Oak Analytics, Little Rock, AR

Eram, a student in the master's program in information quality, developed and tested a general approach to the problem of cleansing and standardizing information obtained from free text fields that reference the same product or service—for example, information about store inventory that is entered into a system manually by an employee.

Student: Zhengqian Jiang, Florida State University
Host company: NPGroup Inc., Tallahassee, FL

Jiang, a student in the department of industrial and manufacturing engineering, assisted NPGroup Inc. in developing and commercializing a sensor system for wind turbines that can accurately detect loads that go undetected in the models typically used by inflow sensors.

Student: Jonathan Ortiz, University of Texas at Austin
Host company: data.world, inc., Austin, TX

Ortiz, a student in the professional data analytics program, worked with data.world, an Austin-based stealth technology company headed by Brett Hurt, a serial entrepreneur who has led several successful big data startups, including Bazaarvoice and Coremetrics (now IBM Customer Analytics). For more on Ortiz's work, see this article in GCN or his blog post on the South Hub website.

Student: Ashok Vardhan, George Mason University
Host company: MetiStream, McLean, VA

Vardhan, who is pursuing a master's in data analytics engineering, helped develop a healthcare data conversion solution called Ember, which bridges the gap between the existing Health Level Seven International (HL7) version 2.x (HL7 V2) healthcare standards and the emerging next generation international specification called Fast Healthcare Interoperability Resources (FHIR).

The South BD Hub recently held a workshop for the DataStart participants to share their experiences and research.

Learn more about DataStart and the South BD Hub's programs on their website. Stay tuned to the CCCBlog for updates from the other programs sponsored through the industry-academic collaborations.

World's Largest Technology Companies Create Historic Partnership on AI

This is a guest blog post by Greg Hager, Computing Community Consortium (CCC) past chair and professor in the Department of Computer Science at Johns Hopkins University, with contributions from Eric Horvitz the technical fellow and managing director at Microsoft Research and a past president of the Association for the Advancement of Artificial Intelligence (AAAI).

In a recent blog post, we summarized the report of an academic/industry roundtable, which, among other recommendations, advocated for mechanisms to support long-term, strategic, and sustained conversation between academics and industry representatives.

Recently, one such mechanism came into being with the announcement of the Partnership on AI by a consortium consisting of Microsoft, Google, Amazon, Facebook, and IBM. From the press release:

> The objective of the Partnership on AI is to address opportunities and challenges with AI technologies to benefit people and society. Together, the organization's members will conduct research, recommend best practices, and publish research under an open license in areas such as ethics, fairness and inclusivity; transparency, privacy, and interoperability; collaboration between people and AI systems; and the trustworthiness, reliability and robustness of the technology.

With the recent high level of interest in (and concerns about) AI, this step could not have come at a more opportune moment. The Partnership on AI represents a bold and innovative step by major industry leaders to engage the computing research community in an open discussion about avenues for AI to have a positive impact in society. It is exactly the sort of mechanism that is needed to better connect long-term fundamental research to the many innovations that will transform transportation, healthcare, education, science, and many other national priorities. Responses by the community to the announcement (including the Computing Community Consortium (CCC)) can be found here.

Eric Horvitz, a past CCC Council member and current CCC Artificial Intelligence Task Force Co-Chair, from Microsoft said the following regarding the new partnership.

> We're excited about this historic collaboration on AI and its influences on people and society. We see great value ahead with harnessing AI advances in numerous areas, including health, education, transportation, public welfare, and personal empowerment. We're extremely pleased with how early discussions among colleagues blossomed into a promising long-term collaboration.

This new organization complements other recent efforts to engage the community in a broader conversation about the implications of AI research, including the release of the inaugural AI-100 study, a series of workshops on issues and opportunities related to AI, and the release by OSTP of responses to a recent RFI.

The vision and leadership that created the Partnership on AI could have an even larger impact, should this model become a template that is adopted by other industry sectors. With the exception of the Semiconductor Research Corporation, a consortium created to pool resources and facilitate research on semiconductor innovations, no other industry sector has ever taken such a step.

What might the impact of such models be for academic computing research? To offer one perspective, the most recent Taulbee report found that only about 10% of computing research funding comes from industry, a number that has remained nearly constant for over a decade. Yet, during that same time period, the tech industry grew to have five companies (including four of the new partnership members) in the list of top 10 companies by market capitalization. Pater The Partnership on AI offers a promising new path to leverage this success. By providing a clear agenda to the research community, and new resources to attack the most important and relevant problems, it increases both the support for, and relevance of, academic computing research. Over the long term, the new collaborations sparked by the Partnership on AI will lead to new innovations that will benefit its partners, the computing research community, and society as a whole.

Announcements

Nominations Open for 2017 CRA-E Undergraduate Research Faculty Mentoring Award

Due November 28

Nominees Sought for CRA Board of Directors

Due December 2

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

Due December 9

CRA-E Graduate Fellows Program Accepting Applications

Due January 30, 2017

CRA Grad Cohort 2017 Applications Open

Due November 30

CRA-Education to Host Workshop at Supercomputing 2016

"Best Practices in Mentoring Undergraduate Research in Supercomputing"

Applications Open for NCWIT Aspirations in Computing Awards

Calling all teachers, counselors, administrators, mentors, or other influencers who support high school women's passion for computing and technology! Applications for the National Center for Women & Information Technology (NCWIT) Aspirations in Computing Educator Award are open through November 28, 2016. Each winner receives $250 in cash and up to $750 for participation in computing-related professional development activities, recognition at a local Affiliate Award event and increased visibility in his or her school district and community, NCWIT resources and promotional items, as well as an engraved award for both the Educator and his or her school. Educators can apply online at http://bit.ly/AiCEdAward no later than 11:59 p.m. EST on November 28, 2016.

Are you working on the Taulbee Survey?

The CRA Taulbee Survey is in progress. The deadline for the salary section is November 18 and the deadline for the rest of the survey is January 18, 2017.

If you are the academic unit head of a U.S. or Canadian department granting doctoral degrees in Computer Science, Computer Engineering, and/or Information, you should have received emails about the survey. If you did not, please check with the CRA Director of Statistics, Dr. Betsy Bizot, at bizot@cra.org.

Announcements, continued

Call for ACM Karl V. Karlstrom Outstanding Educator Award Nominations

By Rosemary McGuinness, ACM Awards Committee Liaison

As part of its mission, ACM brings broad recognition to outstanding technical and professional achievements in the computing and information technology community. Each year our award committees evaluate the contributions of candidates in a wide spectrum of professional and technological arenas.

We welcome nominations for those who deserve recognition for their accomplishments. Please refer to the ACM Awards website at http://awards.acm.org/award_nominations.cfm for additional information.

The Karl V. Karlstrom Outstanding Educator Award is presented annually to an outstanding educator who is appointed to a recognized educational baccalaureate institution; recognized for advancing new teaching methodologies; effecting new curriculum development or expansion in computer science and engineering; or making a significant contribution to ACM's educational mission. Those teachers with ten years or less experience are given special consideration.

The Karlstrom Award is accompanied by a prize of $10,000. Financial support is provided by Pearson Education.

For a list of the past award recipients please see: http://awards.acm.org/karlstrom/year.cfm.

The deadline for nominations for the 2016 award is **November 30, 2016.**

For questions on the above please contact us at acm-awards@acm.org, or Rosemary McGuinness, ACM Awards Committee Liaison.

Professional Opportunities

Aarhus University

Professors in Computer Science (862597)

One or more positions as (full) professor of computer science are available as soon as possibleat the Department of Computer Science, Aarhus University (www.cs.au.dk).

Read the full job description and apply online here: http://www.au.dk/en/about/vacant-positions/scientific-positions/stillinger/Vacancy/show/862597/5283/

Aarhus University

Assistant Professor (tenure-track) or Associate Professor in Computer Science (862617)

One or more positions as tenure-track assistant professor or associate professor are available at the Department of Computer Science, Aarhus University (www.cs.au.dk) starting summer, 2017.

Read the full job description and apply online here: http://www.au.dk/en/about/vacant-positions/scientific-positions/stillinger/Vacancy/show/862617/5283/

Application deadline: 15/1/2017.

Adelphi University

Assistant Professor, Mathematics and Computer Science

The Adelphi University Department of Mathematics and Computer Science invites applications for a tenure-track assistant professorship in Computer Science beginning August 28, 2017.

Potential for excellent teaching and research at an undergraduate institution is essential. The usual load is 18 credits per academic year. The successful applicant will be expected to teach a broad range of major courses and to develop a research program in his/her area of specialization. A doctoral degree, in computer science or closely related discipline, is required within one year of appointment as a tenure-track member of the faculty. Review of applications will begin on November, 14 2016 and continue until the position is filled.

A complete application must include a curriculum vitae; a letter of application; a teaching statement; a research statement; and three letters of recommendation, at least one of which addresses teaching effectiveness, sent under separate cover.

Applicants should apply online at www.adelphi.edu/positions/faculty.

The department also offers majors in Mathematics and Computer & Management Information Systems. Adelphi University is a private university located on Long Island, New York within easy commuting distance of Manhattan.

Adelphi University is an equal opportunity/affirmative action employer committed to building a diverse workforce and strongly encourages applications from women, under-represented groups, members of the LGBT community, people with disabilities and veterans.

American University

Assistant Professor of Computer Science

The Department of Computer Science in the College of Arts and Sciences at American University invites applications for up to two tenure-line positions at the Assistant Professor level, beginning August 1, 2017.

Research expertise may be in any area of computer science. Following the department's strong recent hires in the interdisciplinary areas of computational neuroscience and gaming, the university seeks to build computer science's core program areas, which may include machine learning, artificial intelligence, robotics, computer graphics, analytics, databases and information retrieval, computational media, human-computer interactions, numerical and symbolic computation, simulation, programming languages, or software methodology and engineering. Preference will be given to individuals who can contribute to a vibrant research environment, complement current research areas in the department, teach one or more of the core program areas, and expand the university's capacity in the area of big data.

The Computer Science Department is currently in a period of expansion, and is poised to become a leader in the university's technology and innovation sectors. To support this trajectory, the department will soon be moving to a new building that is designed to promote cross-department collaboration. The new building will be shared with the Physics, Mathematics and Statistics Departments, as well as with the Gaming program, the Collaborative for Applied Perceptual Research and Innovation (CAPRI), and the Entrepreneurship and Innovation Incubator.

QUALIFICATIONS

All applicants should have a strong record of or potential for externally sponsored research. We are especially eager to recruit candidates with established research partnerships or the ability to form such partnerships in the Washington, DC area. Preference will be given to candidates who also have a record of excellence in teaching and mentoring students. Teaching responsibilities will include core courses in computer science and more advanced courses in the applicant's area of specialty. Ph.D. in Computer Science or a closely related field is required; post-doctoral or industry experience is preferred.

APPLICATION INSTRUCTIONS

Applicants should include a statement of research outlining their research focus (or foci) and future plans for developing a nationally competitive, externally funded research program at American University. In addition, applications should include statements of research and teaching

Professional Opportunities

experience, links to research publications, a CV, and three letters of references. Please submit application via: apply.interfolio.com/38396. Review of applications will begin December 2, 2016 and continue until the positions are filled.

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

Amherst College

Assistant Professor of Computer Science (two positions)

The Amherst College Department of Computer Science invites applications for two full-time tenure-track positions at the rank of assistant professor,beginning July 1, 2017. Candidates in all areas of computer science are encouraged to apply. Within the last decade, Amherst College has profoundly transformed its student body in terms of socioeconomic status, ethnicity, race, and nationality. Today, nearly one-quarter of Amherst's students are Pell Grant recipients; 43 percent of our students are domestic students of color; and 10 percent of our students are international students. We seek candidates who will excel at teaching and mentoring students who are broadly diverse with regard to race, ethnicity, socioeconomic status, gender, nationality, sexual orientation, and religion.

The successful candidates must have a Ph.D. in computer science in hand or have fulfilled all requirements for the degree by the start of the appointment. Weseek colleagues who are committed to excellence in undergraduate computer science education and in research, who are enthusiastic about teaching courses in a variety of areas, and who are excited about involving undergraduate students in research projects. The teaching responsibility is two courses each semester.

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

A cover letter, curriculum vitae and three confidential letters of recommendation should be submitted electronically to https://apply.interfolio.com/36989. In the cover letter, please briefly describe your current research agenda; what would be attractive to you about teaching at a liberal arts college; and what background, experience, or interests are likely to make you a strong teacher of a diverse range of Amherst College students. Applications received by December 1, 2016, will be assured of full consideration. Review of applications will continue until the positions are filled.

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

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

Auburn University at Montgomery

Assistant Professor in Computer Science

The Department of Mathematics and Computer Science at Auburn University at Montgomery (AUM) invites applications for one tenure-track position in cybersystems/computer science at the assistant professor level beginning August 2017. The successful candidate will be faculty of AUM's new computer science program offering a master's degree in Cybersystems and Information Security and a bachelor's degree in computer science.

Candidates must complete the online application form and upload a letter of application, curriculum vitae, a copy of graduate transcript, a statement of teaching, and a statement of research to AUM's job website at http://www.jobs.aum.edu/postings/2419. Additionally, candidates must arrange three letters of recommendation sent to Dr. Luis Cueva-Parra by email at lcuevapa@aum.edu or by mail to

Dr. Luis Cueva-Parra, Search Committee Chair
Department of Mathematics and Computer Science
Auburn University at Montgomery
P.O. Box 244023
Montgomery, AL 36124-4023

For full consideration, complete applications must be received by November 15, 2016, but applications will be accepted until the position is filled.

Auburn University at Montgomery is an Equal Opportunity Employer committed to excellence through diversity; therefore, we encourage applications from historically underrepresented groups, veterans, and individuals with disabilities.

Professional Opportunities

Boise State University

Lab Director, Cyber Laboratory for Industrial Control Systems (CLICS)

Boise State University is seeking a visionary leader to develop and grow a premier cyber research facility. This laboratory is being built in collaboration with Idaho National Laboratory (INL) who is deeply committed to supporting the nation in the cyber security of our critical infrastructure and is the recognized leader in industrial process control cyber security. Boise State University is heavily investing in new faculty and curriculum that will support this need. This laboratory will be integral to student training and at the same time provide an environment where INL staff, faculty, and students can explore and understand the performance of control systems and more importantly how to protect and design in ways that mitigate attacks.

The leader of this laboratory should have a background in process control cyber security, a demonstrated ability to pursue funding, and a strong desire to conduct research in the area as well as train the next generation of researchers.

Qualified applicants should review the position and apply at coen.boisestate.edu/cs/jobs/clics-director/.

Boston College

Assistant Professor of the Practice in Computer Science (2 positions available)

The Department of Computer Science at Boston College invites applications for two full-time non tenure-track faculty positions at the rank of Assistant Professor of the Practice, starting September 2017. The teaching load is three courses per semester. Minimum requirements include a Ph.D. in Computer Science or closely related discipline, and a demonstrated commitment to excellence in teaching at the undergraduate level. An interest in curricular innovation, possibly of a cross-disciplinary nature, and that addresses issues of broader social or scientific impact, would be desirable.

We will begin reviewing applications on October 15, 2016, and will continue considering applications until the position is filled.

Additional information about the department and the position is available at www.cs.bc.edu. Submit applications at apply.interfolio.com/38103. Please arrange for three confidential letters of recommendation that comment on teaching to be uploaded separately.

Boston College

Tenure-Track Assistant Professorship in Computer Science

The Department of Computer Science at Boston College invites applications for a tenure-track Assistant Professorship beginning September, 2017. Applicants should have a Ph.D. in Computer Science or related discipline, a research trajectory likely to attract sustained external funding, and a commitment to quality in undergraduate teaching. All research areas will be considered, with a preference for AI / machine learning and systems / networks. An interest in interdisciplinary collaboration on problems of broader scientific or social importance would be desirable. We will begin reviewing applications on October 15, 2016, and will continue considering applications until the position is filled.

Additional information about the department and the position is available at www.cs.bc.edu.

Submit applications at apply.interfolio.com/37623.

Please arrange for three confidential letters of recommendation to be uploaded separately.

Boston University

Two Tenure-Track Assistant Professor Positions in Computer Science

The Department of Computer Science invites applications for two tenure-track assistant professorships beginning July 1, 2017. Qualifications required of all applicants include a Ph.D. in Computer Science or related discipline, a strong research record, and a commitment to teaching at the undergraduate and graduate levels. Particular attention will be given to candidates pursuing research in interactive computing, systems, and security.

The Department consists of 28 faculty members, and offers programs leading to B.A., M.S., and Ph.D. degrees. The Department has research strengths in algorithms, databases and data mining, image and video computing, machine learning, networking, operating systems, programming languages and formal methods, real-time systems, security and cryptography, and theory of computation. In addition, members of the Department have close collaborative relationships with faculty in mathematics and statistics, computer engineering, and biology, among many others.

Review of applications will begin on December 15, 2016 and continue on a rolling basis. Additional information of the Department is available at http://www.bu.edu/cs. Qualified applicants should apply at https://academicjobsonline.org/ajo/jobs/8127.

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

Professional Opportunities

California State Polytechnic University, Pomona

Assistant Professor, Computer Science

The Computer Science Department invites applications for one tenure-track position at the rank of Assistant Professor to begin Fall 2017. We are particularly interested in candidates with specialization in algorithms and theoretical computer science and related/emerging areas. Strong candidates from other areas are also encouraged to apply. Cal Poly Pomona is 30 miles east of L.A. and is one of 23 campuses in the California State University. The department offers an ABET-accredited B.S. program and an M.S. program. Qualifications: Possess, or complete by September 1, 2017, a Ph.D. in Computer Science or closely related area. Demonstrate strong communication skills, commitment to actively engage in the teaching, research, and curricular development activities of the department at both undergraduate and graduate levels, and ability to work with a diverse student body and multicultural constituencies. Ability to teach a broad range of courses, and to articulate complex subject matter to students at all educational levels.

First consideration will be given to completed applications received no later than November 11, 2016. Contact: Faculty Search Committee, Computer Science Department, Cal Poly Pomona, Pomona, CA 91768. Email: cs@cpp.edu. Position announcement available at: http://www.cpp.edu/~faculty-affairs/open-positions/college-unit/sci/index.shtml.

Lawful authorization to work in US required for hiring. EOE/Minorities/Females/Vets/Disability.

Cal Poly State University, San Luis Obispo

Assistant or Associate Professor - Electrical & Computer Engineering

The Electrical Engineering Department and Computer Engineering Program within the College of Engineering at Cal Poly State University, San Luis Obispo, CA invite applications for a full-time, academic year, tenure-track faculty appointment in the area of electrical and computer engineering at a rank and salary commensurate with the applicant's background and experience. The anticipated start date is September 7, 2017. Duties include teaching undergraduate and graduate computer/electrical engineering courses, building a collaborative research program in an area related to mobile computing, and service to the department, university, and community. Teaching responsibilities include digital design, computer architecture, embedded systems, design projects, technical electives, and graduate courses aligned to the candidate's expertise. Desired areas of expertise include computer engineering, internet of things, and hardware and firmware aspects of mobile computing platforms.

For details, qualifications, and application instructions (online application required), visit WWW.CALPOLYJOBS.ORG and refer to requisition #104121. Application review begins December 5, 2016 and will continue until the position is filled. EEO

California State University Long Beach

Assistant Professor in Computer Science and two Assistant Professor positions in Computer Engineering

The Computer Engineering Computer Science (CECS) Department in the College of Engineering at California State University Long Beach is ranked in the top 50 in the nation for undergraduate education. In Computer Science, we have one tenure-track position with an emphasis on Machine Learning. In Computer Engineering there are two tenure-track positions, one with strong emphasis on Embedded Systems and another with focus on Multimedia, Networking, Hardware Security or other application areas. Review of applications will begin January 5, 2017. These positions are open until filled (or recruitment canceled).

California State University Northridge

Assistant Professor

California State University Northridge, Department of Computer Science invites applications for two tenure-track Assistant Professor positions. Applicants must have an earned doctoral degree in Computer Science, Software Engineering, Information Technology, or a closely related field. Qualifications: ability to teach a broad range of courses in the areas of computer science and information technology is required and specialization in databases, computer graphics, computer networks, information technology or software engineering is desired. Applicants must demonstrate a commitment to working with a diverse student population. California State University, Northridge, one of the largest of the 23 campuses of The California State University system, is located twenty-five miles northwest of central Los Angeles in the San Fernando Valley, a suburb with a multi-cultural population of over one million people. CSUN is an EEO/AA employer.

Priority will be given to applications received by November 14, 2016. However the position will remain open until filled.

Further details: http://www.csun.edu/engineering-computer-science/computer-science/faculty-openings

Professional Opportunities

California State University

Two Tenure-Track Assistant Professor Positions

Two tenure-track assistant professor positions to begin with the Fall 2017 semester. Applicants specializing in any area of computer science will be considered. Those with expertise in areas related to embedded systems, software engineering, or data science are especially encouraged to apply. Ph.D. in Computer Science, Computer Engineering, or closely related field required by August 2017.

For detailed position information, including application procedure, please see http://www.csus.edu/about/employment/. Screening will begin January 10, 2017, and remain open until filled.

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

Caltech

Tenure-track faculty position

The Computing and Mathematical Sciences (CMS) department at the California Institute of Technology (Caltech) invites applications for tenure-track or tenured faculty positions. CMS is a unique environment where innovative, interdisciplinary, and foundational research is conducted in a collegial atmosphere. Candidates in all areas of computing and mathematical sciences are invited to apply, including (but not limited to) learning and computational statistics, security and privacy, networked and distributed systems, optimization and computational mathematics, control and dynamical systems, theory of computation and algorithmic economics, scientific computing, etc. Additionally, we are seeking candidates who have demonstrated strong connections to other fields, including the mathematical, physical, biological, and social sciences.

A commitment to world class research, high-quality teaching, and mentoring is expected. The initial appointment at the Assistant-Professor level is for four years and is contingent upon the completion of a Ph.D. degree in Computer Science, Applied Mathematics or related field.

Applicants are encouraged to have all their application materials on file by October 21st, 2016, but applications will be accepted until the end of December. For a list of documents required and full instructions on how to apply on-line, please visit http://www.cms.caltech.edu/search.

Questions about the application process may be directed to: search@cms.caltech.edu.

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

Carnegie Mellon University

Faculty

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.

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

To ensure full consideration of your application, please submit all materials no later than January 3, 2017.

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

Carthage College

Tenure-Track Appointment

The Carthage College Computer Science Department invites applications for a tenure-track appointment beginning August 2017. We welcome applications from specialists in all areas of computer science including those with research or professional experience in interdisciplinary areas, including but not limited to data analytics, engineering, machine vision, machine learning, and robotics. Carthage faculty are committed to the liberal arts tradition and interdisciplinary work. The College also values and supports undergraduate research and funds a vigorous undergraduate summer research program.

For best consideration, applications should be received by Nov. 20, 2016.

Apply online

Case Western Reserve University

Faculty Positions in Computer Science

Department of Electrical Engineering and Computer Science Case Western Reserve University, Cleveland, Ohio

The Department of Electrical Engineering and Computer Science at Case Western Reserve University invites applications for tenure-track positions in Computer Science. Preference will be given to candidates at the assistant professor level, applications at other ranks will be considered commensurate with experience

Professional Opportunities

and qualifications. While exceptional candidates in all areas of Computer Science will be considered, our priority areas include Networks, Cyber- Security, Internet Applications, Distributed Computing, Software Engineering, and Data Science and Analytics. Current departmental strengths in Computer Science include Bioinformatics, Data Management, Software Engineering, Networks and Distributed Systems, and Artificial Intelligence and Machine Learning, and we expect a successful candidate to be synergistic with these strengths.

Appointments will be considered for starting dates as early as January 1, 2017. Applicants should have potential for excellence in innovative research. All successful candidates are expected to develop a vibrant, high-quality externally sponsored research program, supervise graduate students, and interact and collaborate with faculty across the department and campus. Applicants should have a strong commitment to high quality teaching at the undergraduate and graduate levels. Candidates must have a Ph.D. in Computer Science or a closely related field.

Applicants must submit (i) a cover letter, (ii) current curriculum vita, (iii) statement of research interests, and (iv) statement of teaching interests and (v) arrange to have at least three references.

Application materials may be sent to:
Faculty Search Committee
Computer Science
Department of Electrical Engineering and Computer Science
Case Western Reserve University
10900 Euclid Avenue
Cleveland, OH 44106-7071

Application materials may also be e-mailed to YoLonda Stiggers (yxs307@case.edu).

Applications will be reviewed beginning August 1, 2016 and will continue until the position is filled.

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

Case Western Reserve University provides reasonable accommodations to applicants with disabilities. Applicants requiring a reasonable accommodation for any part of the application and hiring process should contact the Office of Inclusion, Diversity and Equal Opportunity at 216- 368-8877 to request a reasonable accommodation. Determinations as to granting reasonable accommodations for any applicant will be made on a case-by-case basis.

The Citadel

Tenure-Track Position in Computer Science

The Department of Mathematics and Computer Science invites applications for a tenure- track faculty position in computer science at the Assistant Professor level beginning August 2017. Minimum qualifications include an earned Ph.D. in computer science and a commitment to excellence in teaching, research, and service. In addition, candidates should display the core values of The Citadel: honor, duty, and respect. Candidates from all areas of computer science are encouraged to apply, especially those with strong backgrounds in cybersecurity.

Located in beautiful Charleston, S.C., The Citadel is a fully accredited, public, comprehensive, co-educational college with a student body of 2300 undergraduate and 1000 evening and graduate students. The department has 16 full-time faculty members covering the areas of mathematics, statistics, and computer science. The department offers B.S. and M.S. degrees in computer science, a graduate certificate in cybersecurity, and minors in computer programming, management information systems, and cybersecurity. Teaching responsibilities include undergraduate courses in computer science for majors and minors and graduate-level courses in our joint Master of Science program with the College of Charleston. A normal teaching load is nine-twelve hours per week with small class sizes.

The Citadel supports faculty scholarship and professional development. Internal funding is available for research, development, and travel. Salary and fringe benefits are competitive, and other benefits include convenient parking and access to the Citadel Beach House located on the Isle of Palms.

Applicants should submit a letter of application, curriculum vita, copies of transcripts, a statement of teaching philosophy, a statement of research plan, and at least three letters of recommendation with at least one that addresses applicant's teaching. All application materials should be submitted online at The Citadel Careers web site, http://careers.pageuppeople.com/743/cw/en/listing. If you have any questions or concerns while applying at the Citadel Careers web site, please call The Citadel's Human Resources Office at 843-953-6922.

Questions about the position may be directed to Dr. Shankar M. Banik, *Chair, Computer Science Search Committee, Department of Mathematics and Computer Science, The Citadel, 171 Moultrie Street, Charleston, SC 29409*, phone: 843-953-5039, or email: shankar.banik@citadel.edu. Review of applications will begin on November 4, 2016, and will continue until the position is filled.

Applications from women and minorities are especially encouraged. The Citadel is an affirmative action/equal opportunity employer actively committed to ensuring diversity in all campus employment.

Professional Opportunities

Colby College

Open Rank Tenure-Track Position in Computer Science

Colby College invites applications for an open rank tenure-track position in Computer Science to support our growing program in Computational Biology, to start 1 September 2017. Applicants must hold, or be close to completing, a Ph.D. in computer science or related area and have a research focus in computational biology or bioinformatics. Review of applications will begin on 15 October 2016.

For more information and required materials, see cs.colby.edu. Review of applications will begin on 15 October 2016 and will continue until the position is filled.

Colby is a private, coeducational liberal arts college that admits students and makes employment decisions on the basis of the individual's qualifications to contribute to Colby's educational objectives and institutional needs. Colby College does not discriminate on the basis of race, color, gender, sexual orientation, gender identity or expression, disability, religion, ancestry or national origin, age, marital status, genetic information, or veteran's status in employment or in our educational programs. Colby is an Equal Opportunity employer, committed to excellence through diversity, and encourages applications from qualified persons of color, women, persons with disabilities, military veterans and members of other under-represented groups. Colby complies with Title IX, which prohibits discrimination on the basis of sex in an institutions education programs and activities. Questions regarding Title IX may be referred to Colby's Title IX coordinator or to the federal Office of Civil Rights. For more information about the College, please visit our website: www.colby.edu.

College of the Atlantic

Faculty Member in Computer Science

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

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

To receive full consideration, applications must be received by December 1, 2016.

Colorado School of Mines

Open Rank Tenure/Tenure-Track Faculty, Computer Science

The Computer Science Division of the Electrical Engineering and Computer Science Department at the Colorado School of Mines (Mines) invites applications for an open rank tenure/tenure-track faculty position in Computer Science (applications considered at assistant, associate, and full professor levels), anticipated to begin in August 2017. Research specialization of interest includes (1) data science, broadly defined to include, but not limited to, machine learning, data mining, and data analytics, and (2) artificial intelligence (AI), broadly defined to include, but not limited to, robotics, human-machine interaction, computer vision, and AI planning.

Applicants must possess, by August 2017, a PhD in Computer Science, Computer Engineering, Electrical Engineering, Software Engineering or closely related field. Applicants must demonstrate the potential for excellence in teaching, scholarship, and service. In addition, applicants must demonstrate, or show evidence of, excellent written, oral communication, and interpersonal skills. Applicants for associate professor or full professor must have an established and currently-funded program with clear potential for continuance, and a proven track record of success in teaching, research, and service.

Please visit our website at http://jobs.mines.edu/cw/en-us/job/492545/open-rank-tenuretenuretrack-faculty-computer-science for the complete job announcement and instructions on how to apply online.

Colorado State University

Assistant or Associate Professor - A and B

The Department of Computer Science at Colorado State University (CSU) solicits applications for two tenure-track faculty to start in Fall 2017. One position is for a data scientist in the broadest sense. The other position is open to all areas of computer science, and we especially encourage applicants in Human Centered Computing and Human Computer Interaction. Our department has 22 tenure-track faculty with strong research programs in artificial intelligence, big data, robotics, bioinformatics, computer vision, networks, parallel and distributed computing, algorithms, security, and software engineering. We have 750+ undergraduate majors and 190 graduate students (MS and Ph.D.) More information is at http://www.cs.colostate.edu.

Complete applications, including letters of reference, received by **November 30, 2016** will receive full consideration. For more details see http://jobs.colostate.edu/postings/38188.

Recommendation letters will be requested by CSU upon receipt of your application.

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

Professional Opportunities

Colorado State University

Special Instructor - Computer Science

The Department of Computer Science is seeking a dynamic and committed instructor to deliver superior education to our rapidly growing enrollment of undergraduate students. The position is full-time at the rank of Special Instructor (non-tenure track). The instructor will teach five or six courses per academic year, initially at the freshman and sophomore levels. The division of responsibilities for this position is 80% teaching and 20% service. The successful candidate will have a Master of Science in Computer Science from an accredited institution, be dedicated to undergraduate education, and familiar with CS1 and CS2 curricula, and the Java or Python programming languages.

For a full job description, qualifications, and to submit an application, visit http://jobs.colostate.edu/postings/37540. For full consideration, materials should be submitted prior to 11:59 p.m. (MT) October 21, 2016. Applications will accepted until the position is filled.

CSU is an EO/EA/AA employer and conducts background checks on all final candidates.

EMORY UNIVERSITY

Lecturer in Computer Science

EMORY UNIVERSITY
Atlanta, Georgia

Emory University's Mathematics & Computer Science Department invites applications for a position as Lecturer in Computer Science, to begin Fall 2017. Emory is a nationally ranked research university with a tradition of excellence and an emphasis on undergraduate education. Computer Science and Informatics is in a period of significant growth and seeks an individual to contribute to the service and scholarship of the department, which spans the core areas of theory and systems with outstanding faculty strengths in data-related areas. Appointments are for a period of three years with renewals and promotions possible within the lecture track, as detailed in Emory College of Arts and Sciences Guidelines for Appointment and Review of Lecture-Track Faculty: (http://college.emory.edu/home/administration/policy/lecturer.html).

Candidates must have a PhD in Computer Science or a related discipline, and will be expected to provide outstanding teaching, advising, and service related to the undergraduate programs. All areas of specialization will be considered, with preference given to applicants capable of teaching computer organization/systems. Responsibilities include, 1) teaching five courses per year; 2) advising undergraduate students; supervising and training graduate student instructors; and 3) supporting the educational mission of the college through department and college committees and programs participation.

Application materials comprising a cover letter, CV, a statement of career goals and teaching philosophy, evidence of teaching excellence, and a minimum of three letters of recommendation (one of which should address your teaching) directly from recommenders, should be submitted via Interfolio - https://apply.interfolio.com/38368. Informal inquiries about the position are also invited by email to cslect2016@mathcs.emory.edu. Review of applications will begin on December 1, 2016 and will continue until the position is filled. Applications received up to 30 days after review begins will be given full consideration. For information about the department, please visit http://www.mathcs.emory.edu.

Emory University is an Equal Opportunity/Affirmative Action/Disability/Veteran employer. Women, minorities, persons with disabilities, and veterans are encouraged to apply.

Florida International University

Florida International University is classified by Carnegie as a R1: Doctoral Universities-Highest Research Activity and recognized as a Carnegie engaged university. It is a public research university with colleges and schools that offers 196 bachelor's, master's and doctoral programs in fields such as engineering, computer science, international relations, architecture, law and medicine. As one of South Florida's anchor institutions, FIU contributes almost $9 billion each year to the local economy. 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 more than 220,000 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's Medina Aquarius Program houses the Aquarius Reef Base, a unique underwater research facility in the Florida Keys. FIU also supports artistic and cultural engagement through its three museums: Patricia & Phillip Frost Art Museum, the Wolfsonian-FIU, and the Jewish Museum of Florida-FIU. FIU is a member of Conference USA and has more than 400 student-athletes participating in 18 sports. For more information about FIU, visit http://www.fiu.edu/.

FIU's School of Computing and Information Sciences (SCIS) is a rapidly growing program of excellence at Florida International University (FIU). The School has 29 tenure-track faculty members and over 2,000

Professional Opportunities

students, including over 90 Ph.D. students. The School is engaged in on-going and exciting new and expanding programs for research, education and outreach. The School offers B.S., M.S., and Ph.D. degrees in Computer Science, and M.S. degrees in Telecommunications and Networking, Cyber-security, and Information Technology as well as B.S./B.A degrees in Information Technology. NSF ranks FIU 43rd nationwide in externally-funded research expenditures. SCIS has six research centers/clusters with first-class computing and support infrastructure, and enjoys broad and dynamic industry and international partnerships.

We invite applications from exceptionally qualified faculty at all levels with particular emphasis on networking, cyber-security, computer systems or data sciences, and other related areas. Ideal candidates for junior positions should have a record of exceptional research in their early careers and a demonstrated ability to pursue and lead a research program. Candidates for senior positions must have an active and sustainable record of excellence in funded research, publications and professional service as well as demonstrated leadership in collaborative or interdisciplinary research. In addition to developing or expanding a high-quality research program, all successful applicants must be committed to excellence in teaching at both the graduate and undergraduate levels. Applications are encouraged from candidates with highly transformative research programs and seminal ideas that extend the frontiers of computing and networking across other disciplines. A Ph.D. in Computer Science or related disciplines is required.

HOW TO APPLY:

Qualified candidates are encouraged to apply to Job Opening ID **(Job Opening ID # 512441)** at facultycareers.fiu.edu and attach a cover letter, curriculum vitae, statement of teaching philosophy, research statement, etc as *individual attachments*. Candidates will be requested 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 31, 2016. Review will continue until position is filled.

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.

EMORY COLLEGE OF ARTS AND SCIENCES

Lecture-Track, Open Rank in Computer Science

EMORY UNIVERSITY
Atlanta, Georgia

Emory College of Arts and Sciences at Emory University in Atlanta, GA announces a special initiative to recruit excellent scientists and experienced College science teachers with an established commitment and history of effectively mentoring students from underrepresented and underserved populations.

These two lecture-track (open rank) faculty appointments will contribute to our commitment to excellence and diversity in the sciences. The lecture-track hires will complement the appointment of two tenure-track scientists with a demonstrated history of effectively mentoring students from underrepresented and underserved populations.

Questions should be sent to Carla Freeman, Senior Associate Dean of Faculty, emorysciencesearch@emory.edu. Review of applications will begin on **October 1, 2016** and continue until positions are filled.

Emory is a private university recognized internationally for its undergraduate Emory College of Arts and Sciences as well as its graduate and professional schools. Together Emory College and the university's seven graduate/professional schools feature renowned faculty and offer more than 100 degree programs and majors, with an enrollment of nearly 15,000 undergraduate and graduate students.

Emory College's tradition of exceptional teaching and mentorship of undergraduates will be enhanced through this special initiative. As a campus with a diverse student body, we encourage applications from women and minorities, and those with a history of mentoring students of underrepresented groups in the sciences.

Candidates for the open-rank lecture-track positions should have outstanding records of teaching, curricular development and advising, and be eligible for a faculty appointment in one or more of the following fields: Biology, Biological Anthropology, Chemistry, Environmental Sciences, **Mathematics and Computer Science**, Neuroscience and Behavioral Biology, Physics or Psychology. Candidates must hold a Ph.D. in a relevant discipline. Faculty appointments will be made at the Lecture Track rank commensurate with current academic standing and achievement (Lecturer, Senior Lecturer, Professor of Pedagogy).

Successful candidates will be encouraged to participate in campus-wide interdisciplinary and departmental programs that provide research and professional development opportunities for our diverse student body.

Applicants must apply via Interfolio - https://apply.interfolio.com/37312. Informal inquiries about the position are invited by email to chair@mathcs.emory.edu.

Emory University is an Equal Opportunity/Affirmative Action/Disability/Veteran employer. Women, minorities, persons with disabilities, and veterans are encouraged to apply.

Professional Opportunities

Florida State University

Assistant Professor

The Department of Computer Science at the Florida State University invites applications for two tenure-track Assistant Professor positions to begin August 2017. The positions are 9-month, full-time, tenure-track, and benefits eligible. We are seeking outstanding applicants with strengths in the broad areas of Data Sciences or Trustworthy Computing. The Data Sciences area may involve Databases, Computer Graphics and Visualization, Artificial Intelligence, Data Mining, Data Engineering, Data Analytics, and Big Data Applications and systems as well as other Data Sciences related research. The Trustworthy Computing area includes Formal Methods and Verification, Programming Languages and Compilers, Cyber-Physical Systems, Embedded Systems, Computer Architecture, and Digital Forensics among others. Applicants should hold a PhD in Computer Science or closely related field at the time of appointment, and have excellent research and teaching accomplishments or potential. The department offers degrees at the BS, MS, and PhD levels. The department is an NSA Center of Academic Excellence in Information Assurance Education (CAE/IAE) and Research (CAE-R).

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

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

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

Equal Employment Opportunity

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

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

EMORY COLLEGE OF ARTS AND SCIENCES

Tenure-Track, Open Rank in Computer Science

EMORY UNIVERSITY
Atlanta, Georgia

Emory College of Arts and Sciences at Emory University in Atlanta, GA announces a special initiative to recruit excellent research scientists and scholars with a strong, established commitment and history of mentoring students from underrepresented and underserved populations.

These two tenure track (open rank) faculty appointments will contribute to our commitment to excellence and diversity in the sciences. This effort will be further enhanced by the addition of two open rank lecture track faculty with a demonstrated history of effectively mentoring students from underrepresented and underserved populations.

Questions should be sent to Carla Freeman, Senior Associate Dean of Faculty, emorysciencesearch@emory.edu. Review of applications will begin on **October 1, 2016** and continue until positions are filled.

Emory is a private university recognized internationally for its undergraduate Emory College of Arts and Sciences as well as its graduate and professional schools.

Together Emory College and the university's seven graduate/professional schools feature renowned faculty and offer more than 100 degree programs and majors, with an enrollment of nearly 15,000 undergraduate and graduate students. Emory College has a tradition of dedicated teaching and mentorship of undergraduates that will be enhanced through this special initiative.

As a campus with a highly diverse student body, we encourage applications from women, minorities, and those with a history of mentoring students of under-represented groups in the sciences.

Candidates for these two tenure track positions should have outstanding records of scholarly publications, research support and teaching, and be eligible for a faculty appointment in one or more of the following departments/areas: Biology, Biological Anthropology, Chemistry, Environmental Sciences, Mathematics, **Computer Science**, Neuroscience and Behavioral Biology, Physics, and/or Psychology. Candidates must hold a Ph.D. in a relevant discipline. Faculty appointments will be made at a professorial rank commensurate with current academic standing and achievement.

The successful candidates will be expected to continue her/his active research program and to participate in campus-wide interdisciplinary and departmental programs that provide research and professional development opportunities for our diverse student body.

Applicants must apply via Interfolio - https://apply.interfolio.com/37231. Informal inquiries about the position are invited by email to chair@mathcs.emory.edu.

Emory University is an Equal Opportunity/Affirmative Action/Disability/Veteran employer. Women, minorities, persons with disabilities, and veterans are encouraged to apply.

Franklin & Marshall College

Tenure-Track Position in Computer Science

The Franklin & Marshall College Computer Science Program invites applications for a tenure-track position in software beginning Fall 2017. Applicants should possess a

Professional Opportunities

Ph.D. in Computer Science or a related field, or be close to completing the degree. We anticipate filling the position at the rank of Assistant Professor or Instructor depending on qualifications, but we will consider qualified applicants atthe Associate Professor level.

We seek candidates who are able to teach and develop courses in software design (broadly defined). We prefer candidates interested in working with students and colleagues with diverse perspectives, experiences, and backgrounds.

Applicants should submit materials at http://apply.interfolio.com/36926. See http://www.fandm.edu/computer-science/employment for more details. We will review applications until the position is filled; we assure full consideration to applications completed by December 12.

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

EMORY UNIVERSITY

Tenure-Track Faculty Position in Data Exploration

EMORY UNIVERSITY
Atlanta, Georgia

Emory University's Mathematics & Computer Science Department is leading an initiative in Data Science to pioneer research and educational advances in this multidisciplinary domain. This initiative builds upon current strengths and recent growth in data-oriented topics within the Computer Science & Informatics program at Emory University (http://csi.mathcs.emory.edu), with research concentrations in Data Science and Biomedical Informatics. The CSI faculty maintain active, interdisciplinary research programs, and have been recently recognized with NSF CAREER, NIH K01, A.P. Sloan Fellowship, and DARPA CSSG awards.

Applications for a tenure-track position at the Assistant Professor level are invited from exceptional candidates with outstanding research and teaching records (or promise) in areas related to ***Data Exploration***. Truly eminent candidates may be considered for appointment at higher ranks, subject to administrative approval. We are particularly interested in applicants with expertise in interactive data exploration, broadly construed, which includes data mining, analytics, visualization, human-computer interaction, and summarization. Candidates with exceptional strengths in other data-relevant areas will also be considered.

We seek colleagues who can complement the current program strengths in data mining, information retrieval, data privacy and security, machine learning, natural language processing, medical informatics, neural computation, and imaging informatics. Applicants must have a PhD in Computer Science or a closely related area. The successful candidate would join the Math & Computer Science department (http://www.mathcs.emory.edu) and contribute to scholarship and teaching at the undergraduate and graduate levels. Courtesy appointments in Biomedical Informatics and Biostatistics/Bioinformatics are available as appropriate.

Applications comprising of a cover letter, CV, research and teaching statements, and three to five letters of recommendation directly from recommenders, should be sent via Interfolio - https://apply.interfolio.com/37659. Informal inquiries about the position are also invited by email to chair@mathcs.emory.edu. Application screening starts December 1, 2016 and will continue until the position is filled. Applications received up to 30 days after review begins will be given full consideration.

Emory University is an Equal Opportunity/Affirmative Action/Disability/Veteran employer. Women, minorities, persons with disabilities, and veterans are encouraged to apply.

Georgia Institute of Technology

Tenure Track Faculty Positions

Applications will be considered until open positions are filled. However, to receive full consideration, applications should be submitted by December 15, 2016. 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/content/cs-faculty-hiring.

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

Georgia Institute of Technology

Tenure-Track Faculty Positions

The School of Interactive Computing (IC) at the Georgia Institute of Technology (Georgia Tech) invites applications for several anticipated tenure track faculty positions at all levels of seniority. Areas of primary interest include Robotics and Machine Learning. We will also consider truly outstanding candidates in other areas that support the school's mission and expand it in strategic directions. Suitable candidates

Professional Opportunities

ETH zürich

Assistant Professors (Tenure Track) of Computer Science

→ The Department of Computer Science (www.inf.ethz.ch) at ETH Zurich invites applications for assistant professorships (tenure track) with focus on the following broad areas within computer science. For each area, several possible examples (not exhaustive) of expertise are provided.

- **Programming Languages and Software Engineering** (language design and implementation, testing and debugging, compilers and language runtimes, programming models, dynamic languages)
- **Robotics and Cyber-physical Systems** (artificial intelligence, human-robot interaction, planning and control, virtual/augmented reality, internet of things, embedded systems, data acquisition systems)
- **Data Science** (machine learning, language/media processing, data privacy, medical applications, data centers architecture and management, programming and runtime platforms for data centers and cloud computing)
- All other areas in **Computer Science** (while there is focus on the three areas above, ETH Zurich is broadly looking in all areas)

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

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

→ Assistant professorships have been established to promote the careers of younger scien¬tists. ETH Zurich implements a tenure track system equivalent to other top international universities. For candidates with exceptional research accomplishments, applications for a tenured associate or full professorship will also be considered.

→ **Please apply online (application period starts on 31 October 2016) at: www.facultyaffairs.ethz.ch**

→ Applications include a curriculum vitae, a list of publications with the three most important ones marked, a statement of future research and teaching interests, the names of three references, and a description of the three most important achievements. The letter of application should be addressed **to the President of ETH Zurich, Prof. Dr. Lino Guzzella. The closing date for applications is 15 December 2016**. ETH Zurich is an equal opportunity and family friendly employer and is further responsive to the needs of dual career couples. We specifically encourage women to apply.

must have an established international reputation and have demonstrated exceptional impact, productivity, and leadership. The School of IC is a part of Georgia Tech's College of Computing, which is ranked among the top ten Computer Science departments in the nation. The School includes 36 full-time tenure-track Faculty, 6 Faculty with joint appointments, 12 Research Scientists, 130 PhD students, and a large number of Master's students. These workin a wide range of research areas relating to the interface of computing to the world. The School is affiliated with the GVU Centerand the Institute for Robotics and Intelligent Machines.

Application materials should be submitted online: https://academicjobsonline.org/ajo/jobs/8083 and must include a cover letter, research statement, teaching statement, curriculum vitae, the contact information of at least three references, and three publications. Applicants must have outstanding academic credentials, a sincere commitment to teaching, and an interest in engaging in substantive interdisciplinary research. We ask that applicants clearly indicate their research area(s) and focus in their cover letters. Preference will be given to applications submitted before Dec 15, 2016, but we will continue accepting applications until the positions are filled. Questions regarding the status of an application may be directed to recruiting-ic@cc.gatech.edu.

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

Georgia State University

Two Tenure Track Assistant Professor Positions

The Department of Computer Science at Georgia State University invites applications for two tenure-track faculty

Professional Opportunities

positions at the Assistant Professor level to begin in August 2017. Earned Ph.D. in Computer Science or a related discipline is required for this position. Prospective applicant will demonstrate excellence in research, a commitment to undergraduate/graduate computer science education, and a strong potential for securing external funding. All areas of Computer Science will be considered with preference given to candidates with expertise in the areas of Data Analytics (including data mining, machine learning, data visualization, and database systems) and Cyber-Physical Systems (including Internet of Things, Mobile Computing and Networking, Smart Grid, Smart Cities, Smart Home, and Intelligent Transportation).

Georgia State University, located in the heart of downtown Atlanta, is a major research university with an enrollment of more than 52,000 students. The university is currently in the middle of a record $1 billion campus expansion. The Computer Science department's Ph.D. program is nationally competitive and ranked among the best in the Southeast, according to National Research Council data. The program also has a high rank in several categories at the PhDs.org website. The department's faculty attracts substantial funding from many federal agencies, including six NSF CAREER Awards.

Women and minorities are especially encouraged to apply. For best consideration, applications including academic CV, teaching and research statements, and a list of at least three references should be submitted by February 5th, 2017 at: https://academicjobsonline.org/ajo/jobs/8212.

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

Georgia State University

Department of Computer Science

Tenure Track Position, Unstructured Data Analytics

Next Generation Faculty Program

The Department of Computer Science at Georgia State University invites applications for one tenure-track faculty position at the Assistant or Associate Professor level to begin in August 2017. The candidate shall have strong research expertise in the area of Data Analytics, especially in unstructured data such as Text, Digital Traces, Clickstream Data, Images/Video, Sensor Data, and Social Media Interactions. The candidate must also be an expert in Data Mining, Machine Learning, Data Visualization, Information Retrieval, or Database Systems. This position is part of the Next Generation Faculty Program at Georgia State University titled "Unstructured Data Analytics for Business" that seeks to strengthen and distinguish faculty research in strategic areas. The new faculty member will help build a strong interdisciplinary cluster in collaboration with the Department of Computer Information Systems and the Institute of Insight at the Robinson School of Business. Earned Ph.D. in Computer Science or a related discipline is required for this position. Prospective applicant will demonstrate excellence in research, a commitment to undergraduate/graduate computer science education, and a strong potential for securing external funding.

Georgia State University, located in the heart of downtown Atlanta, is a major research university with an enrollment of more than 52,000 students. The university is currently in the middle of a record $1 billion campus expansion. The Computer Science department's Ph.D. program is nationally competitive and ranked among the best in the Southeast, according to National Research Council data. The program also has a high rank in several categories at the PhDs.org website. The department's faculty attracts substantial funding from many federal agencies, including six NSF CAREER Awards.

Women and minorities are especially encouraged to apply. For best consideration, applications including academic CV, teaching and research statements, and a list of at least three references should be submitted by February 5th, 2017 at: https://academicjobsonline.org/ajo/jobs/8321.

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

Gustavus Adolphus College

Mathematics, Computer Science, and Statistics: Computer Science OR Discrete Mathematics

Gustavus Adolphus College invites applications for a tenure-track position of Assistant Professor in the Department of Mathematics, Computer Science, and Statistics to begin September 1, 2017. The department is considering applicants with specializations in either computer science or discrete mathematics; the letter of application should indicate which position is being applied for. We seek candidates who have an earned doctorate in either Computer Science or Mathematics, but will consider candidates who have achieved ABD status.

Visit http://gustavus.edu/jobs for application instructions. Review of applications will begin on November 8, 2016, and continue until the position is filled.

EOE Employer/Disabled/Vet

Harvey Mudd College

Two Tenure-Track Assistant Professorships

The Computer Science Department at Harvey Mudd College (HMC) has two tenure-

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track openings for assistant professors commencing July 1, 2017. Candidates in all areas of computer science will be considered.

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

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

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

Applicants should use the AcademicJobsOnline system (https://academicjobsonline.org/ajo/jobs/7743) to submit (1) a cover letter describing their interests in teaching undergraduates at Harvey Mudd College and in promoting inclusion and diversity in computer science, (2) a curriculum vita, (3) a statement regarding teaching philosophy and experience, including evidence of commitment to promoting inclusion and diversity as well as teaching evaluations or other evidence of teaching effectiveness, and (4) a statement of research interests and how undergraduates could participate in this work. Concurrently, please request three references to submit letters (the letter writers indicated in the application will automatically receive a request to upload their letters). It is desirable that at least one letter address the candidate's potential as a teacher. All application materials, including letters of reference, should be received by December 1, 2016 to receive maximum consideration.

Questions about the position can be addressed to Prof. Ran Libeskind-Hadas at cssearch@cs.hmc.edu.

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

Hanover College

Associate Or Assistant Professor Of Computer Science Tenure Track Ad 2016-17

The Department of Computer Science at Hanover College invites applications for a tenure track Associate or Assistant Professor. Area of specialization open. Position starts August 2017 with a 3-3-1 annual teaching schedule, including a full range of core and elective CS courses. Ph.D. in Computer Science strongly preferred, but related areas will also be considered. Minimum qualifications include: Ph.D. by time of appointment; evidence of teaching experience and effectiveness at undergraduate level; ability to advise and mentor students; active participation in scholarly interests; and ability to embrace the liberal arts mission of the College. For further details visit https://www.hanover.edu/about/employment.

Review of applications begins 8 October 2016 and continues until position is filled. Email application letter, curriculum vitae, teaching philosophy, description of research activities, undergraduate and graduate transcripts to Professor Barbara Wahl, Chair, Computer Science Search, c/o Chris Wilcox, wilcox@hanover.edu. In addition please have three letters of reference emailed directly to Professor Wahl c/o Chris Wilcox.

Hanover College is committed to providing equal access to its educational programs, activities, and facilities to all otherwise qualified students without discrimination on the basis of race, national origin, color, creed, religion, sex, age, disability, veteran status, sexual orientation, gender identity, or any other category protected by applicable state or federal law. An Equal Opportunity employer, the College also affirms its commitment to nondiscrimination in its employment policies and practices. In compliance with Title IX (20 U.S.C Sec. 1681 et seq.) Hanover College prohibits sex discrimination, including sexual harassment.

Harvard John A. Paulson School of Engineering

Tenure-track Position in Computer Science

The Harvard John A. Paulson School of Engineering and Applied Sciences seeks applicants for a position at the tenure-track level in Computer Science, with an expected start date of July 1, 2017.

We are accepting applications in all areas of Computer Science, especially machine learning and programming languages.

We seek candidates who have a strong research record, and a commitment to undergraduate and graduate teaching and training. Candidates are required to have a doctorate or terminal degree in Computer

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Science or a related area by the expected start date.

Required application documents include a cover letter, CV, a statement of research interests, a teaching statement, and up to three representative papers. Candidates are also required to submit the names and contact information for at least three and up to five references, and the application is complete only when three letters have been submitted. We encourage candidates to apply by December 1, 2016, but will continue to review applications until the position is filled. Applicants will apply on-line at http://academicpositions.harvard.edu/postings/7129.

Computer Science at Harvard benefits from outstanding undergraduate and graduate students, world-leading faculty, an excellent location, significant industrial collaboration, and substantial support from the Harvard Paulson School. 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.

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

Harvard John A. Paulson School of Engineering and Applied Sciences

Tenure-track Position in Electrical Engineering

The Harvard John A. Paulson School of Engineering and Applied Sciences (SEAS) seeks applicants for a position at the tenure-track level in Electrical Engineering, with an expected start date of July 1, 2017. This is a broad faculty search and we welcome applicants in all areas of electrical and computer systems engineering. We are particularly interested in candidates with sufficient breadth to be able to work across multiple levels along the continuum of EE topics: materials, devices, circuits, systems, algorithms and theory. Examples include, but are not limited to: emerging techniques for circuits and VLSI systems; embedded systems and IoT; systems that combine ubiquitous sensing, actuation, and control; computational sensing; software/hardware co-design; computer architecture; approximate computing; biomedical devices.

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Lecturer Positions in Intelligent Systems Engineering

The School of Informatics and Computing at Indiana University, Bloomington invites applications for non-tenure track lecturer positions in Intelligent Systems Engineering to begin as early as January 2017.

We are particularly interested in candidates who can prepare and deliver the courses needed in the following areas: Computer Engineering, Cyber-physical Systems, Nanoengineering, Neuroengineering, Environmental Engineering and Bioengineering

In addition to teaching responsibilities, lecturers will be expected to participate in course preparation in collaboration with faculty and the Intelligent Systems Engineering Department Chair.

Lecturers at Indiana University are valued members of the faculty and are expected to support the teaching mission of the School of Informatics and Computing through excellence in pedagogical practice, service to the school and academic programs, and inquiry into the advancement of pedagogy in computing. In addition to course responsibilities, lecturers will also be responsible for supervising Associate Instructors assigned to their classes, development of laboratory material, grading, and other duties as assigned. After successfully completing a probationary period, lecturers will be eligible for long-term contracts and promotion to a Senior Lecturer position. Salary will be commensurate with qualifications and experience.

A Master's of Science (MS) or higher degree in a discipline closely related to our engineering specialties is required before the date of hire. Applicants should preferably have two academic years' experience (may be part-time). Qualified candidates must also provide evidence of teaching experience.

Interested candidates should submit a letter of application with a list of typical courses they are prepared to teach, a curriculum vitae, a statement of teaching interests and accomplishments, and names and contact information for three references using the submissions link at:
http://indiana.peopleadmin.com/postings/2487

Review of applications will begin November 1, 2016. Interviews will begin in mid to late November. Preferred start date for the lecturer positions is January 2017 but the search will remain open and interviews will continue until the positions are filled.

Questions may be sent to isechair@indiana.edu

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

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Electrical Engineering at Harvard benefits from outstanding undergraduate and graduate students, world-leading faculty, proximity to world-class science departments and professional schools, significant industrial collaborations, and substantial support from the Harvard Paulson School.

Engineering at Harvard University is experiencing a period of strong growth and expansion following the largest gift in the University's history, received from John A. Paulson, in support of SEAS. Information about Harvard's current faculty, research, and educational programs in electrical engineering is available at http://www.seas.harvard.edu/electrical-engineering.

Candidates are required to have a doctorate or terminal degree by the expected start date. In addition, we seek candidates who have a strong research record and a commitment to undergraduate teaching and graduate training. Required application documents include a cover letter, CV, a statement of research interests, a teaching statement, and up to three representative papers. Candidates are also required to submit the names and contact information for three to five references. The application is complete when three letters have been received. Applicant review will begin November 1, 2016. Candidates should apply no later than December 1 for full consideration, but we will continue to review applications until the position is filled. Applicants will apply on-line at: http://academicpositions.harvard.edu/postings/7130

Harvard University is 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.

Haverford College

Tenure Track Faculty Position in Computational Linguistics

Haverford College invites applications for a tenure-track faculty position at the level ofAssistant Professor in the Department of Linguistics, to begin Fall 2017. The Haverford Linguistics Department is part of a Tri-College Linguistics Program with nearby Bryn Mawr and Swarthmore Colleges.

Applicants should be committed to a career combining teaching and research in the Liberal Arts environment and have a record of accomplishment in computational linguistics; areas of interest include natural language processing, computational models of human language, speech recognition, and/or speech generation. The successful candidate should have formal education in both Computer Science and Linguistics and will be expected to teach classes in Linguistics in addition to classes that will be cross-listed in Linguistics and Computer Science, including supervision of senior research for undergraduates in both programs. Preference will be given to candidates who can teach Phonetics and Phonology. A PhD in Linguistics, Computer

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Faculty Positions in Intelligent Systems Engineering

The School of Informatics and Computing (SoIC) at Indiana University (IU) Bloomington invites applications for multiple open rank tenure/tenure track faculty positions to begin in Fall 2017 in **Intelligent Systems Engineering**. Cluster hires are encouraged as are interdisciplinary applications spanning the interests of SoIC and collaborating with IU units. Duties include teaching, research, and service.

Applicants should have an established record (for senior level) or demonstrable potential for excellence (for junior level) in research and teaching, and a PhD in a relevant field or (for junior level) expected before 8/2017.

The department of Intelligent Systems Engineering is an innovative new program, currently with 12 faculty, that focuses on the engineering of systems of smaller-scale, often mobile devices that draw upor modern information technology techniques including intelligent systems, big data and user interface design. Its foundation also includes computer engineering, cyber-physical systems, robotics, sensor and detector technologies, signal processing, and information and control theory. **We intend to add about 20 new faculty over the next 4 years for these areas as well as bioengineering, synthetic biology, molecular and nanoscale engineering, environmental engineering and neuro-engineering with an interdisciplinary IT component.** The program offers a BS and a PhD, which started in fall 2016, while a future MS will be developed. Artificial Intelligence, Modelling and Simulation and the Internet of Things are integrated into core curriculum. The program will draw upon IU Bloomington's considerable education and research strengths in biology, chemistry, computer science, environmental science, informatics, physics, network science, psychological and brain sciences, business and law. New faculty will have considerable opportunity and responsibility to shape the development of curricula and research. There will be a strong emphasis on world-class research, built around a few strong focused laboratories and proactively involving undergraduates. More information can be found at https://www.engineering.indiana.edu/.

Apply online at: http://indiana.peopleadmin.com/postings/2730

For full consideration applications are due by 1/2/17 but earlier submission is encouraged.

Questions regarding the positions or application process can be directed to isechair@indiana.edu

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Science or a related field is required, and post-doctoral experience (or other evidence of the ability to establish a productive, independent research program) would be beneficial.

Candidates should submit a cover letter, CV, teaching statement (2-3 pages), researchstatement (2-3 pages), and arrange to have three current confidential letters ofreference submitted via Interfolio (https://apply.interfolio.com/38080). Questions aboutthe application process should be directed to Georgia Davidis, Faculty DossierCoordinator, at gdavidis@haverford.edu. Information about the Haverford Linguistics Department is available at https://www.haverford.edu/linguistics. For technical questions, please contact Interfolio directly at 877-997-8807 or help@interfolio.com. For full consideration, all application materials must be received by Friday, November 18, 2016.

Haverford College is an Equal Opportunity/ Affirmative Action employer that does notdiscriminate on the basis of race, ethnicity, religion, gender identity, sexual orientation,national origin, age, marital status, disability or veteran status. Haverford has alongstanding commitment to diversity rooted in values of inclusion and social justice, acommitment reflected in the curriculum, classrooms, and communal composition of theCollege. Haverford welcomes applications from candidates who share these values andwho will foster their contribution to the College's mission.

Illinois Institute of Technology

Assistant Professor

The Department of Computer Science at Illinois Institute of Technology seeks applications for tenure-track/tenured positions at all ranks, with a preference for tenure-track at the rank of Assistant Professor, starting Fall 2017. Exceptional candidates may also be considered for endowed positions at both junior and senior levels.

Applicants must have a Ph.D. in computer science or a closely related field, demonstrated success in research, a record of attracting external research funding appropriate to their rank, and a strong commitment to excellence in teaching. While excellent candidates from all areas of computer science will be considered, candidates in Programming Languages, Security, Data Science, and Computational Science are especially encouraged to apply.

The Department of Computer Science at Illinois Institute of Technology has recently received a major gift and is in the middle of significant growth in enrollments and hiring as well as space and infrastructure improvements. The Department offers B.S, M.S., and Ph.D., degrees in Computer Science, and several of its faculty members are NSF CAREER Award winners and IEEE/ACM/AAAS fellows. Illinois Institute of Technology, located within 10 minutes of downtown Chicago, is in the final stages of a successful capital campaign

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Director of Programs in Intelligent Systems Engineering

The School of Informatics and Computing at Indiana University Bloomington invites applications for a non-tenure track Director of Programs position in the Intelligent Systems Engineering department to begin as early as Januar 2017.

The Director of Programs' primary role is to provide strategic leadership for the Intelligent Systems Engineering (ISE) department and Digital Science Center (DSC) within the School of Informatics and Computing (SOIC) with respect to collaboration both within the university (IUB) and with external institutions. A key goal is to identify, pursue, and manage grants that fit the strategic plan for ISE and DSC. These collaborations would involve workin with ISE, DSC, and other faculty and supervisors to identify opportunities and then a variety of outreach activities using in-person and virtual meetings. Leadership of proposal preparation and report writing is required. Experience in state of the art research needed to be able to interact as peer with collaborators. Salary will be commensurate with qualifications and experience.

Specific duties of the Director of Programs include:

- 70% Grant Development: Grant development, writing, and management for Intelligent Systems Engineer and the Digital Science Center. Lead the writing of new grants to state, federal, and international granting agenci to obtain funding for collaborations identified in activities described above. Monitor and evaluate these grants ar the processes of both successful and unsuccessful grant applications.
- 30% Strategic Planning: Assist Department Chair and other ISE leadership with the development and implementation of a strategic plan, including setting and achieving specific priorities, objectives, and action items Assist with the recruitment, appointment, and transition of new faculty scholars into ISE.

Candidates should possess a graduate degree before the date of hire in Computer Science, Informatics, Informati Science, or a related discipline, and must have two academic years' experience (may be part-time).

Apply Online at: http://indiana.peopleadmin.com/postings/2436

Review of applications will begin November 1, 2016. Interviews will begin in mid to late November. Preferred st date for the position is January 2017 but the search will remain open and interviews will continue until the positi is filled.

Questions may be sent to isechair@soic.indiana.edu

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that has led to the creation of several endowed positions, increased funding for scholarships, and construction of the new Ed Kaplan Family Institute for Innovation and Tech Entrepreneurship.

Evaluation of applications will start on December 1st, 2016 and continue until the position(s) are filled. Illinois Institute of Technology is an equal opportunity/affirmative action employer. Women and Underrepresented Minorities are strongly encouraged to apply. Applicants should apply online at https://academicjobsonline.org/ajo/jobs/8118.

Iowa State University

Tenure-track or tenured Faculty in Computer and Software Engineering

The Department of Electrical and Computer Engineering at Iowa State University, Ames, IA, invites applications for tenure-track or tenured faculty positions in computer and software engineering. Appointments will be considered at all experience levels. Iowa State University is an Equal Opportunity/Affirmative Action employer.

Apply early and online at http://www.iastatejobs.com/postings/21140 for vacancy #600172.

For full consideration, applications must be received by Oct. 31, 2016.

Knox College

Assistant Professor of Computer Science

Knox College invites applications for a tenure-track Assistant Professor in Computer Science beginning Fall 2017. Ph.D. preferred; master's degree or equivalent experience required. The successful candidate should be able to teach a broad spectrum of courses across the ACM/IEEE CS curriculum; six courses per year teaching load.

Candidates in all areas of specialization are welcome, but we are especially interested in HCI, software development, CS education, security, or computational science. Interest in undergraduate student/faculty research is highly desirable, as is an interest in interdisciplinary collaborations.

Computer Science at Knox is a dynamic, growing program, with an orientation that combines rigorous foundations with experiential education, student research, and collaboration with other departments. Our students engage in a very high level of undergraduate research, internship projects, and application development with faculty. We are very active in the SIGCSE community and many of our courses use Peer Instruction, a research-based active learning pedagogy, including StartUp Term, an immersive experience that combines business, entrepreneurship, and computer science. For more information on the Computer Science Department, see http://cs.knox.edu.

Computer Science is an increasingly prominent department, with 100 students enrolling in the introduction computer science course each year. Located in Galesburg, IL, Knox is a highly-selective, top-100 national

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Faculty Positions in Computer Science and Informatics

The School of Informatics and Computing (SoIC) at Indiana University (IU) Bloomington invites applications for a tenure/tenure-track faculty position in computer science (applications considered at assistant, associate, and full professor levels), and for tenure-track faculty positions in precision health as part of the Indiana University Precision Health Initiative (assistant professor level) to begin in Fall 2017. Duties include teaching, research, and service.

- **Computer Science target areas:** Computer systems, computer architecture, operating systems, networks, and distributed systems.
- **Precision Health target areas:**
  - Environmental sensing for health, including health-specific research with populations outside o a clinical environment involving sensors, mobile, GIS, public health and policy;
  - Algorithm development and application for information integration, large-scale information extraction, and retrieval from the biomedical literature; e.g. in NLP, text mining, databases, and machine learning;
  - High-performance computing and Big Data analytics for bioengineering and health/medical science.

Applicants should have an established record (for senior level) or demonstrable potential for excellence (for junior level) in research and teaching, and a PhD in a relevant area or (for junior level) expected before 8/17.

The SoIC is the first of its kind and among the largest in the country with unsurpassed breadth. Its missio is to excel and lead in education, research, and outreach spanning and integrating the full breadth of computing and IT. It includes Computer Science, Informatics, and Information and Library Science, with over 100 tenure-line faculty, 1400 graduate students, and 1600 undergraduate majors on the Bloomingto Campus. It offers PhDs in Computer Science, Informatics, Information Science and Intelligent Systems Engineering.

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

All applicants should submit a CV, a statement of research and teaching, and names of 6 references (3 for junior level) using the submissions links below. Questions may be sent to hiring@soic.indiana.edu. For full consideration applications are due by 12/1/16.

http://indiana.peopleadmin.com/postings/2731 (Computer Science)
http://indiana.peopleadmin.com/postings/2732 (Precision Health)

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

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liberal arts college of 1,400 diverse students, including 30% underrepresented minorities from the U.S. and 12% international students. The Department is actively striving to reflect this diversity; currently, our majors are 26% underrepresented minorities and 29% women. We especially invite applications from women and from members of historically underrepresented groups.

Candidates should send materials as PDFs to cssearch@knox.edu, including:

- Cover letter that addresses interests, qualifications and experience.
- Curriculum vitae.
- Statement of teaching philosophy, including your approach to teaching and mentoring a diverse student body.
- Statement of research interests.

Three letters of recommendation should be sent separately as PDFs by the recommenders.

Review of applications begins December 1, 2016.

For additional information, contact David Bunde, Chair, at dbunde@knox.edu.

Knox College is an affirmative action, equal opportunity employer and does not discriminate on the basis of race, color, ethnicity, national origin, age, sex, gender, sexual orientation, gender identity or expression, marital status, veteran status, religion, disability, creed, or any other protected class.

The Luis W. Alvarez Fellowship in Computing Sciences - 82836

Organization: CR-Computational Research

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

Since its founding in 2002, Berkeley Lab's Luis W. Alvarez Postdoctoral Fellowship (http://cs.lbl.gov/careers/alvarez-fellowship/) has cultivated exceptional young scientists who have gone on to make outstanding contributions to computational and computing sciences.

Applications are due November 11, 2016 for Fall 2017.

About Computing Sciences at Berkeley Lab

Whether running trillions of calculations on a supercomputer or visualizing and analyzing massive datasets, scientists today rely on advances in computer science, mathematics, and computational science, as well as large-scale computing and networking facilities, to increase our understanding of ourselves, our planet, and our universe. Berkeley Lab's Computing Sciences organization researches, develops, and deploys new tools and technologies to meet these needs and to advance research in such areas as global climate change, combustion, fusion energy, nanotechnology, biology, and astrophysics. Research areas in Computing Sciences include:

- Researching and developing software and hardware to support extreme-scale computing
- Developing mathematical modeling for complex scientific problems
- Designing algorithms to improve the performance of scientific applications
- Researching computer architectures to improve system performance
- Advancing extreme scientific data management
- Evaluating new and promising computing and networking technologies
- Researching methods to control and manage dynamic circuit networks
- Developing large scale visualization and analytics technologies
- Performing data analysis in distributed environments

Qualifications:

- Requires a Ph.D. in computer science, mathematics or related discipline.
- Candidates must have less than three years of paid postdoctoral experience.

Application Process:

For consideration applications are due November 11, 2016. Letters of Reference are due November 18, 2016. Following your application submission, you will receive a message with detailed instructions regarding the application process.

The Computing Sciences Alvarez Selection Committee is made up of a broad representation of scientists and engineers across Berkeley Lab's Computing Sciences Area that will conduct a thorough review of all applications received. Finalists will be notified in January 2017. Interviews and final selection will be completed by late February.

Notes: This is one-year postdoctoral appointment with the possibility of renewal and/or conversion to Career or Term Research Scientist based upon appropriate division review and approval, job performance, continuing availability of funds, and ongoing operational needs.

How To Apply

Apply directly online at http://50.73.55.13/counter.php?id=79611 and follow the on-line instructions to complete the application process.

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

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status. Berkeley Lab is in compliance with the Pay Transparency Nondiscrimination Provision under 41 CFR 60-1.4 (http://www.dol.gov/ofccp/pdf/E013665_Prescribed Nondiscrimination Posting Language_JRFQA508c.pdf). Click here (http://www.dol.gov/ofccp/regs/compliance/posters/pdf/eeopost.pdf) to view the poster: "Equal Employment Opportunity is the Law".

McDaniel College

Tenure-track Position

McDaniel College invites applications for a tenure-track Assistant or Associate Professor position in Computer Science starting in August, 2017. The area of specialization is open, though special consideration will be given to applications from candidates whose research expertise will help students in the broad areas of data science, digital learning, or ubiquitous computing. Applicants who will help develop the future of the Computer Science program are especially encouraged to apply. A Ph.D. in computer science or related field is required at the time of appointment in August, 2017.

For more information and to apply, please visit https://employment.mcdaniel.edu/. Review of applications will begin October 26th and continue until the position is filled.

McDaniel College is an equal opportunity employer and will not tolerate any discrimination or harassment on basis of any protected status including race, religion, color, national origin, disability, age, sex, sexual orientation, pregnancy, military status, genetic information, marital status, veteran's status or any other legally protected status.

McGill University

Tenure Track Positions: Software Engineering and Data Science

The School of Computer Science at McGill University invites applications for tenure-track appointments in (1) Data Science and (2) Software Engineering at the rank of assistant professor, to begin on August 1st, 2017. Candidates should have or soon expect a Ph.D. in computer science or related field. Candidates for the position in Data Science must have expertise in machine learning or Big Data, and a strong track record of interdisciplinary collaborative work in areas such as health informatics, computational social science, or others. Candidates for the position in Software Engineering must have a strong publication record in software engineering, and have experience with the development and/or analysis of large-scale software. The successful candidates will be expected to conduct high quality research, teach to a diverse and talented student body, and secure competitive external funding. Salary will be negotiable, according to qualifications and experience.

The School of Computer Science offers a collegial environment with opportunities for interaction with world class researchers not only in machine learning and software engineering but also many related and complementary areas such as programming languages, compilers, systems, bioinformatics, network science, robotics, and many more. McGill is routinely ranked as one of the world's best universities and there is ample opportunity for transdisciplinary collaboration. McGill is situated in Montreal, a historic and internationally-flavored city, and home of no less than six universities.

For more detailed information and to apply, please consult our website at http://www.cs.mcgill.ca/careers/academic. The selection process will begin by November 15, 2016 for the Software Engineering position, and by December 1, 2016 for the Data Science position. Both will continue until the position is filled.

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

Miami University

Assistant/Associate Professor of Computer Science/Software Engineering

The Department of Computer Science & Software Engineering: Assistant or Associate Professor (four positions available) to provide undergraduate and graduate teaching; advise students and supervise student research; establish a strong research program; provide service to the institution.

Require: Earned doctorate or ABD in computer science, software engineering, computer engineering, or a related field (doctorate to be completed by December 31, 2017 for re-appointment to a second year); ability to teach courses in computer science or software engineering. To be appointed to the rank of associate professor the successful candidate must demonstrate high quality teaching and a record of successful publication of high quality scholarship/research, with a prospect for continuation. For all ranks strong candidates will have a record of published research/scholarship in some sub-discipline of computer science or software engineering.

Applications should include a cover letter, curriculum vitae, statement of teaching philosophy, and statement of research experience and plans to https://miamioh.

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hiretouch.com/job-details?jobID=3381. Screening of applicants begins December 1, 2016 and will continue until the position is filled. Questions can be addressed to the Chair of the Search Committee, Dr. Bo Brinkman, atcse.search@MiamiOH.edu.

The University is committed to equal opportunity, affirmative action, and eliminating discrimination and harassment. Miami University does not discriminate on the basis of age, color, disability, gender identity or expression, genetic information, military status, national origin, pregnancy, race, religion, sex, sexual orientation or protected veteran status in its application and admission processes, educational programs and activities, facilities, programs or employment practices. Requests for all reasonable accommodations for disabilities related to employment should be directed to ADAFacultyStaff@miamioh.edu or 513-529-3560.

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

Michigan State University
Department Chair
Computer Science Engineering

Michigan State University (MSU) invites nominations and applications for the position of Chair of the Department of Computer Science and Engineering (CSE) in the College of Engineering, with a preferred starting date of August 16, 2017.

The CSE department has a strong research and educational program that is renowned for its multidisciplinary nature. The Chair of CSE will oversee department operations, personnel and resources. The Chair will advance the departmental vision of academic leadership and excellence, and will represent the department to academia, industry and government for its continued vitality. The Chair will actively work with faculty in the department and across the university to identify and pursue innovations in research, education, and service. The Chair will be actively involved in strategic planning that would expand the influence of the department in the broader academic community both within and outside the university, and will promote diversity within the department and the institution.

The Department has 31 tenure system faculty members and 5 teaching specialists, including a National Academy of Engineering member and 9 NSF CAREER awardees. The Department has strong research programs in all major areas of Computer Science and Engineering, with an annual research expenditure of over $7M. The department has accredited B.S. degree programs in Computer Science and Computer Engineering. There are currently over 140 graduate students and 1,100 undergraduate students in the department. Department faculty are actively involved in several national-level centers, including BEACON, an NSF Center that is headquartered at MSU for the study of evolution in action.

MSU enjoys a park-like campus with outlying research facilities and natural areas. The campus is adjacent to the city of East Lansing and the capital city of Lansing. The Lansing metropolitan area has a diverse population of approximately 470,000. Local communities have excellent school systems and place a high value on education. Michigan State University is pro-active in exploring opportunities for employment for dual career couples, both inside and outside the University. Information about MSU's dual career support can be found at http://miwin.msu.edu/. Information about WorkLife at MSU and the College of Engineering can be found at http://www.egr.msu.edu/WE.

The successful candidate must have an earned PhD in Computer Science or a closely related field, and be qualified to receive an annual appointment at the rank of Full Professor with tenure. The candidate should have a distinguished track record of research, class-room teaching, student mentorship, and funding from diverse sources. The candidate must provide evidence of scientific and organizational leadership, educational innovation, and have outstanding communication, interpersonal, and administrative skills.

Interested individuals should submit an application for this position through: http://jobs.msu.edu/ and refer to position #4095. Applicants must submit a cover letter summarizing qualifications and leadership approach, a vision statement for the department, a detailed curriculum vita, and the names and contact information of five references. Applications will be reviewed on a continuing basis until the position is filled. For full consideration, applications should be received before December 1st, 2016. Nominations or questions are welcome by contacting the search committee chair at cse-chair-search@cse.msu.edu.

Additional information about the university, college and department is available at:
CSE Department - http://www.cse.msu.edu | College of Engineering - http://www.egr.msu.edu/ | MSU – http://www.msu.edu/

MSU has been advancing the common good with uncommon will for more than 160 years. A member of the Association of American Universities, MSU is a research-intensive institution with 17 degree-granting colleges. MSU is an affirmative-action, equal opportunity employer. MSU is committed to achieving excellence through a diverse workforce and inclusive culture that encourages all people to reach their full potential. The university actively encourages applications and/or nominations of women, persons of color, veterans, and persons with disabilities.

Middle Tennessee State University

Department of Computer Science

Tenure-Track Assistant/Associate Professor

The Department of Computer Science at MTSU (http://www.mtsu.edu/csc/) invites applications for an assistant/associate professor tenure-track position beginning August 1, 2017. Applicants must hold a doctorate degree in computer science or related field by appointment date. The position requires a commitment to excellence in both teaching and research. Applicants are invited from all areas of computer science, but applicants with a background in high performance computing, cyber security, or data science will receive special consideration. The successful applicant must be willing to teach both undergraduate and graduate courses and engage students (including undergraduates) in research.

The Department offers both BS and MS degrees and has close ties with the Computational Sciences PhD Program. The BS with concentration in Professional Computer Science program is ABET accredited. There are ~490 undergraduate and graduate majors.

MTSU is a Carnegie classified Doctoral/ Research University (DRU) with over 23,000 students, and is located 35 miles south of Nashville in Murfreesboro, TN.

Apply at https://mtsujobs.mtsu.edu/. Include cover letter, curriculum vitae, statement of teaching philosophy, and research

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statement. If selected for an on-campus interview, letters of recommendation will be solicited automatically providing a link for response. Official transcripts (not issued to student) of all degrees are required prior to the interview. Inquiries to Dr. Chrisila Pettey (chrisila.pettey@mtsu.edu), Dept. of Computer Science, MTSU Box 48, 1301 E. Main St., Murfreesboro, TN 37132. Application review begins November 7, 2016 and continues until the position is filled. Call 615-898-5128 for application process questions. EO/AA Employer.

Missouri State University

Department Head - Computer Science

The Department of Computer Science at Missouri State University seeks a Department Head. As well as administrative duties, the department head will need to participate in teaching, research and service. Missouri State University (MSU) is located in Springfield, Missouri. More information about MSU can be found at: http://www.missouristate.edu/. Information about the department, its programs and research endeavors can be found at: http://computerscience.missouristate.edu/undergraduate/.

Review of applications will begin November 1, 2016 and continue until finalists are identified. To see the required qualifications, complete list of duties and online application go to: https://jobs.missouristate.edu/. Employment will require a criminal background check at University expense.

Missouri State University is an equal opportunity/affirmative action/minority/female/veterans/disability/sexual orientation/gender identity employer and institution. We encourage applications from all interested minorities, females, veterans, individuals with disabilities, and sexual orientation/gender identity.

Global Impact Initiative
MICHIGAN STATE UNIVERSITY

Join Michigan State University's Global Impact Initiative, designed to address the grand challenges through the creation of over 100 new faculty positions in some of the most promising and exciting fields of research. We welcome applicants from diverse backgrounds. MSU offers an inclusive and collaborative work environment.

To learn more visit research.msu.edu/global-impact

Computer Science and Engineering
Faculty Position in Biometrics

The Department of Computer Science and Engineering (CSE) at Michigan State University (MSU) invites applications for a faculty position in the area of biometrics. While the position is primarily for a junior faculty, candidates at other ranks may be considered. The successful candidate will be expected to develop an externally-funded interdisciplinary research program of international prominence that includes fundamental research, publications in high-impact journals and conferences, and training graduate students. Multidisciplinary research is strongly encouraged and is being actively pursued by the faculty members at MSU. Leadership is expected in the development of innovative educational programs that provide state-of-the-art knowledge to both undergraduate and graduate students. Candidates should have a Ph.D. in Computer Science or a closely related field, with demonstrated evidence of research accomplishments, teaching skills, and ability to work effectively with other researchers within the Department and colleagues on campus. Appointments will start in August 2017.

MSU enjoys a park-like campus with outlying research facilities and natural areas. The campus is in the city of East Lansing and adjacent to the capital city of Lansing. The Lansing metropolitan area has a diverse population of approximately 450,000 residents. Local communities have excellent school systems and place a high value on education. Michigan State University is pro-active in exploring opportunities for employment for dual career couples, both inside and outside the University: http://miwin.msu.edu/. Information about work and life at MSU and the College of Engineering can be found at http://www.egr.msu.edu/WE.

Applicants should submit a cover letter, curriculum vitae, the names of at least three references, and statements of their research and teaching interests through http://jobs.msu.edu and refer to posting #4074. Applications will be reviewed on a continuing basis until the position is filled . Review of applications will begin on January 2, 2017. For questions about this position, contact the search committee chair at search@cse.msu.edu.

Additional information about the university, college and department is available at:
CSE Department - http://www.cse.msu.edu
College of Engineering - http://www.egr.msu.edu/
MSU – http://www.msu.edu/

Michigan State University has been advancing the common good with uncommon will for more than 160 years. A member of the Association of American Universities, MSU is a research-intensive institution with 17 degree-granting colleges.

MSU is an affirmative-action, equal opportunity employer. MSU is committed to achieving excellence through a diverse workforce and inclusive culture that encourages all people to reach their full potential. The University actively encourages applications and/or nominations of women, persons of color, veterans and persons with disabilities.

Mount Holyoke College

Visiting Assistant Professor in Engineering (Multi-Year)

Mount Holyoke College invites applications for an Innovation Hire in Engineering, a faculty position that will introduce interdisciplinary engineering to our liberal arts student body and provide hands-on opportunities to students with little or no background.

Applications are due Dec 1; see full ad http://jobsearch.mtholyoke.edu.

NC State University

College of Engineering

Cluster Hire in Forensic Sciences - Digital Forensics

As part of the Chancellor's Faculty Excellence Program, NC State University seeks a digital forensics scholar to join the Forensic Sciences cluster. The digital forensics position is an open rank tenured/tenure track position, will begin in August 2017 and is targeted for the College of Engineering's Department of Computer Science or Department of Electrical and

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Computer Engineering. We seek innovative and transformative academic leaders whose scholarship will advance NC State's position as one of the premier universities of its kind. The Forensics Sciences cluster builds on a nationally leading, campus-wide strength in forensics anthropology, entomology, chemical, fiber and polymer/ materials analysis and DNA-based forensic tools (http://facultyclusters.ncsu.edu/).

We seek a scientist with a nationally recognized high-impact research program in digital forensics, recognized as a pioneering leader in the development of new digital forensics initiatives. We are flexible and open to any strong candidates in digital forensics, including the following areas: facial and voice recognition, biometric identification, image and video analysis, steganography, digital information authenticity, provenance, forgery and tampering detection, analysis of device memory and storage, analysis and correlation of log files, database transactions, and network traffic, as well as collection, preservation, and analysis of email, social networks, web pages, location data, contact lists, phone logs, images, etc. The criminal justice and intelligence communities are developing tools, measurement methods, standards, and data to support forensic analysis of digital evidence. A video describing some aspects of digital forensics may be found at the video at https://youtu.be/cX0KCnOX8d0, created by the American Academy of Forensic Sciences.

Priority will be given to candidates that have demonstrated interdisciplinary collaborations that cut across academic units. The candidate will be expected to build and maintain an extramurally funded research program and also play a leadership role in the NC State Forensics program appropriate to their rank and experience. The candidate should have a strong capacity to teach at both the undergraduate and graduate levels, including the capacity to mentor masters and doctoral students as well as postdoctoral fellows. Preference will be given to dynamic individuals with strong interpersonal skills and with demonstrated leadership skills.

The candidate should have an earned doctorate in a relevant technical field. A comprehensive review of applications is expected to begin December 1, 2016 and will continue until the position is filled. The target start date is August 2017; however, a mutually beneficial time may be negotiated. Questions about the position may be directed to Professor Douglas Reeves (reeves@ncsu.edu). To apply, visit http://jobs.ncsu.edu/postings/75755. NCSU is an equal opportunity and affirmative action employer, and welcomes all persons without regard to sexual orientation, gender identity, or genetic information. Persons with disabilities requiring accommodations in the application process, please call (919) 515-3148.

The Chancellor's Faculty Excellence Program is bringing some of the best and brightest minds to join NC State University's interdisciplinary efforts to solve some of the globe's most significant problems. Guided by a strong strategic plan and an aggressive vision, the cluster hiring program is adding new faculty members in select fields to add more breadth and depth to NC State's already-strong efforts. The Chancellor's Faculty Excellence Program marks a major initiative of the university's strategic plan, "The Pathway to the Future." Twenty clusters have been established and twelve of the twenty clusters have completed hiring. A total of 55 faculty have joined NC State University as part of this process. We invite you to explore the Chancellor's Excellence Program and the Forensic Sciences cluster at http://facultyclusters.ncsu.edu/.

Northeastern Illinois University

Assistant Professor

The Computer Science Department of Northeastern Illinois University in Chicago invites individuals toapply for a tenure-track, assistant professor position, starting August 16, 2016. A Ph.D. in ComputerScience or closely related field is required. We will consider applicants from all areas of computerscience, especially: Bioinformatics, Computational Biology, and Complex Systems. Review ofapplications will begin on November 15, 2015, and continue until the position is filled. AA/EOE. See: http://cs.neiu.edu/.

Northeastern Illinois University is an Equal Opportunity/Affirmative Action employer and invitesapplications from Women, Minorities, Veterans and Persons with Disabilities, as well as other qualifiedindividuals. Northeastern Illinois University positions are contingent upon the University's receipt ofits State of Illinois appropriation.

Northeastern University

Professor of the Practice & Director of Computer Science Programs-Silicon Valley

Position Summary

The Director of CS Programs-Silicon Valley (SV) will provide the leadership for overseeing the growth of computer science programs offered in SV/San Francisco, specifically the ALIGN MS in CS and the MS in CS. Through the ALIGN program (see https://www.ccis.northeastern.edu/program/align-master-of-science-in-computer-science/) which is a MS in CS for people who studied something other than CS as an undergraduate, Northeastern provides the opportunity to think about how to increase diversity in high tech where diversity means not only demographic diversity but also diversity of thought.

The director will have the opportunity to recruit full- and part-time faculty from the

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local community who can enrich our courses in SV/SF, and ultimately throughout the CCIS Network with the deep industrial experience they have acquired. The director is expected to teach two courses per year. The director can build an independently funded research program and, as a Professor of the Practice, is eligible to advise PhD students. Northeastern's unique approach to experiential education includes experiential PhDs in addition to our more traditional Undergraduate and MS co-op programs.

The SV "hub" system is part of the NU Global Network and presents an opportunity to enroll a substantial number of high quality students and build deep relationships with major corporations located in SV. Northeastern educational hubs will be embedded directly in select companies across the Bay Area that offer sector-specific degree programs and research collaborations to benefit the entire region. The hubs will be located within partnering companies and be open to learners and professionals across the region—a powerful way to boost workforce talent and promote innovation in high-growth sectors of regional economies. The program director will be charged with building an innovative and dynamic academic atmosphere that contributes to the university's mission of redefining graduate education. The position requires an entrepreneurial spirit and strategic vision to guide the MS in Computer Science program growth. The ideal candidate has a distinguished career in the computing field that would qualify for the title of Professor of the Practice with demonstrated experience in teaching in higher education. The Program Director must be a professional who has the ability to develop deep academic and employment relationships with regional industry, enjoys interacting with students, and has an entrepreneurial bent to grow something unique in higher education.

Qualifications

Candidates will be considered from all areas in Computer and Information Science. A PhD in Computer Science, Information Science or a related field is required by the start date. Candidates will have a distinguished career in the computing field that would qualify for the title of Professor of the Practice, which is equivalent to the level of a Full professor.

Additional Information

Additional information and instructions for submitting application materials may be found at the following web site: https://neu.peopleadmin.com/postings/44416.

Northeastern University is an Equal Opportunity, Affirmative Action Educational Institution and Employer, Title IX University. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by the law. Northeastern University is an E-Verify Employer.

Northwestern University

Assistant or Associate Professor of Computer Science

Northwestern University has recently announced a substantial commitment to grow and transform Computer Science. We will add twenty new tenure-track faculty in the next five years—ten in core Computer Science, and ten collaboratively with other disciplines (CS + X)—as well as a number of non-tenure track teaching faculty. We seek outstanding candidates, in all areas and at all levels, with a clear passion to shape the future of Computer Science, and who are excited by the opportunity to help build that future at a great University.

As part of this plan, the Computer Science Division / EECS Department at Northwestern invites candidates to apply for a new position as Professor of Computer Science at the Assistant or Associate Professor level. We seek outstanding young faculty in all areas of Computer Science. Priority will be given to applicants with pathbreaking research interests that have the potential to transform both Computer Science and other disciplines.

Northwestern is a world leading research and teaching university with an unrivaled combination of excellent schools that provide extraordinary opportunities for collaboration across a wide range of disciplines. Located just outside of Chicago – a diverse and culturally vibrant world-class city – Northwestern faculty have ample opportunities to connect with the city's growing technology sector.

We encourage candidates to submit applications as soon as possible. Applications received by January 1, 2017 will be given full consideration. However, the positions will remain open until filled. Applicants should submit (1) a cover letter indicating rank applied for, (2) a curriculum vitae, (3) three to five references (4) statements of research and teaching interests, and (5) two representative publications. For general questions about the search or application assistance post-submission, contact facsearch@eecs.northwestern.edu.

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

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Northwestern University

Assistant or Associate Professor of Computer Science & Statistics

Northwestern University has recently announced a substantial commitment to grow and transform Computer Science. We will add ***twenty*** new tenure-track faculty in the next five years—ten in core Computer Science, and ten collaboratively with other disciplines (CS + X)—as well as a number of non-tenure track teaching faculty. We seek outstanding candidates, in all areas and at all levels, with a clear passion to shape the future of Computer Science, and who are excited by the opportunity to help build that future at a great University.

As part of this plan, the Computer Science Division / EECS Department and the Statistics Department at Northwestern invite candidates to apply for a new joint position as **Professor of Computer Science and Statistics** at the Assistant or Associate Professor level. We are collaborating, together with Industrial Engineering and Management Sciences (IEMS), to create a multidisciplinary research group in the areas of machine learning and data science. Building on existing strengths in applied AI, applied statistics, and optimization, as well as the recent creation of a Center for Optimization & Statistical Learning, the University is seeking to hire up to three new faculty in these areas this year.

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We encourage candidates to submit applications as soon as possible. Applications received by January 1, 2017 will be given full consideration. However, the positions will remain open until filled. Applicants should submit (1) a cover letter indicating rank applied for, (2) a curriculum vitae, (3) three to five references (4) statements of research and teaching interests, and (5) two representative publications. For general questions about the search or application assistance post-submission, contact facsearch@eecs.northwestern.edu.

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NUS National University of Singapore

Multiple Tenure-Track Faculty Positions in Computer Science

The Department of Computer Science at the National University of Singapore (NUS) invites applications for several tenure-track as well as tenured faculty positions. We have positions dedicated to cyber security, machine learning, robotics (particularly, robot learning), computer vision, computer systems (in particular, embedded systems), data analytics, particularly in statistical and algorithmic foundations, and visual analytics. We also welcome strong applications in other areas of computing. NUS' Department of Computer Science is highly ranked internationally. It enjoys ample research funding, moderate teaching loads, excellent facilities, and extensive international collaborations. The department covers all major research areas in computer science and boasts a thriving PhD program that attracts the brightest students from the region and beyond. More information is available at www.comp.nus.edu.sg/careers

NUS offers highly competitive salaries and is situated in Singapore, an English-speaking cosmopolitan city that is a melting pot of many cultures, both the east and the west. Singapore offers high-quality education and healthcare at all levels, high levels of personal freedom and security, as well as very low tax rates.

While we are primarily looking for candidates for Assistant Professor positions, we also welcome applications from exceptional candidates for Associate and full Professor positions. Candidates for Assistant Professor positions should demonstrate excellent research potential and a strong commitment to teaching. Truly outstanding Assistant Professor applicants will also be considered for the prestigious Sung Kah Kay Assistant Professorship. Candidates at more senior levels should have an established record of outstanding and recognized research achievements.

Application Details:

- Submit the following documents (in a single PDF) online via: https://faces.comp.nus.edu.sg
  - A cover letter that indicates the position applied for and the main research interests
  - Curriculum Vitae
  - A teaching statement
  - A research statement
- Provide the contact information of 3 referees when submitting your online application, or, arrange for at least 3 references to be sent directly to csrec@comp.nus.edu.sg
- Application reviews will commence on 1 October 2016 and continue until positions are filled
- Please submit your application by 15 December 2016
- If you have further enquiries, please contact the Search Committee Chair, Weng-Fai Wong, at csrec@comp.nus.edu.sg

Professional Opportunities

Northwestern University

Assistant or Associate Professor of Electrical Engineering and Computer Science - Computer Engineering Division

The Department of Electrical Engineering and Computer Science at Northwestern University invites applications for an open position in the **Computer Engineering** Division at the Assistant or Associate Professor level. We seek outstanding faculty in all areas of Computer Engineering. The focus of our search is in embedded systems (very broadly construed – including, but not limited to, cyber-physical systems, smart sensors, autonomous systems, human-machine interface, and mobile systems). However, strong candidates in all areas of Computer Engineering will be seriously considered. Priority will be given to applicants with path-breaking research interests that have the potential to transform both Computer Engineering and other disciplines.

Northwestern is a world leading research and teaching university with an unrivaled combination of excellent schools that provide extraordinary opportunities for collaboration across a wide range of disciplines. Located just outside of Chicago – a diverse and culturally vibrant world- class city – Northwestern faculty have ample opportunities to connect with the city's growing technology sector. We encourage candidates to submit applications as soon as possible. Applications received by January 1, 2017 will be given full consideration; however, the position will remain open until filled. Applicants should submit (1) a cover letter indicating rank applied for, (2) a curriculum vitae, (3) three to five references (4) statements of research and teaching interests, and (5) two or more representative publications. For general questions about the search or application assistance post-submission, contact facsearch@eecs.northwestern.edu.

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Oberlin College

Faculty of Computer Science, 2 Full-time Tenure Track

The Department of Computer Science at Oberlin College invites applications for 2 full-time, tenure-track faculty positions starting in the Fall of 2017. We are seeking candidates with teaching and research

Olin College of Engineering

faculty search

At Olin

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

Computing

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

Is Everywhere

We seek applicants who bring expertise in computer science, software engineering, computational science and engineering, or related disciplines. We are particularly excited about individuals who can articulate a vision for innovating in our computing-focused course offerings, for strengthening connections between computing and other parts of the Olin curriculum, and for involving students in their externally-facing professional work (e.g., research, entrepreneurship, consulting).

If you are passionate about integrating computing throughout the curriculum and beyond, we would love to hear from you. We encourage applicants to apply by December 5, 2016, and applications will be considered as they are received. Please submit materials online: http://bit.ly/OlinSearch.

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

Professional Opportunities

interests specific to Software Systems (Compilers, Operating Systems, Networks, Databases, or a related field). For a second position, we are seeking candidates with teaching and research interests in any area of Computer Science. Applicants at all ranks will be considered. Review of applications will begin immediately and will continue until the positions are filled. Completed applications received by November 10, 2017 will be given full consideration. For full job descriptions and to apply go to Academicjobsonline.org at following links:

- Systems Position: https://academicjobsonline.org/ajo/jobs/8233
- Open Area Position: https://academicjobsonline.org/ajo/jobs/8235

Oberlin College is an EEO/AA Employer for more information, go to http://new.oberlin.edu:

The Ohio State University

Assistant Professor

The Computer Science and Engineering Department at The Ohio State University seeks to fill multiple tenure-track positions at the assistant professor level. We are particularly interested in the following areas: (1) machine learning; (2) information visualization and visual analytics; (3) cybersecurity and privacy. Two positions are available in cybersecurity and privacy, including network/mobile security, systems security, security of cyber-physical systems, cryptography, data privacy, secure data management, privacy-preserving analytics, and data provenance. Highly qualified applicants at more senior levels will also be considered.

Assistant Professor of Information Sciences and Technology

Penn State Lehigh Valley invites applications for a faculty position, Assistant Professor of Information Sciences and Technology, (Tenure-Track, 36 weeks) to begin August 2017, or as negotiated. Responsibilities: Teach three courses (9 credits) each semester using traditional, hybrid and online delivery methods. Teaching assignments may require teaching day, evening and/or Saturday classes as needed. Publish in refereed journals. Participate in professional organizations and in course, curriculum, and program development. Advise students and provide career guidance. Participate in campus, university, and community service activities.

Qualifications: Ph.D. in a field related to Information Sciences and Technology, such as Computer Science, Statistics, Informatics, and interdisciplinary interests, especially as related to HIT. ABD candidates will be considered given evidence of sufficient progress toward degree completion. Evidence of potential in research and publication is expected. Commitment to high-quality instruction in a student-centered environment is expected. Interest in active and collaborative learning, the instructional use of technology, and hybrid and online teaching is an advantage. Prior college-level and online teaching experience preferred. Enthusiasm for working in a multidisciplinary environment is important. Campus Information: Penn State University is a multi-campus public land-grant university that improves the lives of the people of Pennsylvania, the nation, and the world. Our instructional mission includes undergraduate, graduate, and continuing and distance education informed by scholarship and research. Our research, scholarship, and creative activities promote human and economic development through the expansion of knowledge and its applications in the natural and applied sciences, social sciences, arts, humanities, and the professions. Penn State Lehigh Valley campus is located in Center Valley, Pennsylvania, approximately 65 minutes from New York City and 45 minutes north of Philadelphia. This campus has the distinction of being the oldest continuously running campus in the Penn State system after University Park, and also the newest, having just relocated in August 2009 to a modern high tech campus. There is one primary site location – the new Penn State Lehigh Valley campus in Center Valley – and the Neighborhood Networks Center –which allows access to cutting-edge technology and post-secondary education for downtown populations. Students may start one of the many Penn State majors at the Lehigh Valley campus and then transfer to any other Penn State campus, or may choose to remain at Penn State Lehigh Valley to complete one of the baccalaureate degree programs offered at the campus. Penn State Lehigh Valley is one of more than 20 Penn State campuses state-wide. It is a student-centered campus of approximately 1,000 students; about 20% are adult learners. The coursework for the first two years of more than 160 Penn State baccalaureate majors is offered, as well as eight baccalaureate degrees and 3 associate degrees which can be completed on the campus. Students and faculty at Penn State Lehigh Valley have all of the resources of a major research university at their disposal, but in a small college atmosphere. Class sizes are small and the student/faculty ratio is low, so students can receive much individual attention and have opportunities to participate in undergraduate research projects supervised by faculty members. Our faculty members are committed to providing a high-quality educational experience to their students and are actively engaged in research. Penn State Lehigh Valley students receive a world-class education delivered in a small campus setting. For more information about the campus, visit http://www.lv.psu.edu/ Inquires about the position should be addressed to Dr. Kenneth A. Thigpen, Director of Academic Affairs, Penn State Lehigh Valley. E-mail: kat2@psu.edu. Telephone: 610-285-5140. Applicants are required to submit a cover letter and curriculum vitae; other information pertinent to the position may also be included. Finalists will be asked to submit a list of references. Closing Date: Application review begins November 2016, and continues until a suitable candidate is found.

Apply online at http://apptrkr.com/890374

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

Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.

Professional Opportunities

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

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

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

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

Review of applications will begin on December 1, 2016 and will continue until the positions are filled.

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

Peking University

Tenure-track faculty positions at CECA

The School of EECS at Peking University invites applications for tenure-track positions in the areas of energy efficient computing (including, but not limited, to energy-efficient architecture, communication, compilation and systems software) and applications (such as smart grids, mobile computing, sensor networks

Faculty Job Openings in School of Electrical Engineering and Computer Science

Applications are invited for several tenure-track faculty positions at all ranks. Outstanding candidates in all areas of Computer Science, Electrical Engineering, Computer Engineering and interdisciplinary disciplines related to these areas will be considered. The School of Electrical Engineering and Computer Science (EECS) is dedicated to building a diverse, dynamic faculty. Research areas of particular interest are data science, and especially machine learning, and areas relevant to the Internet of Things (IoTs). Applicants will be considered for both the Electrical Engineering and Computer Science and Engineering Departments.

The School of EECS has more than 80 faculty members, 2500 undergraduate students, and 400 graduate students, making it one of the largest and most prominent units at Penn State and in the country. The School of EECS has combined electrical engineering, computer science and computer engineering to provide a unique opportunity to execute interdisciplinary education and research. EECS offers an unparalleled, student-centered collaborative curriculum with multiple degree programs that cut across the school's three disciplines and address the critical need for innovative and creative engineers for the cutting-edge economy of today and tomorrow.

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

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

Applicants should submit a statement of professional interests, curriculum vitae, and the names and addresses of four references. Please submit these items in a single PDF file electronically to job 67080 at **http://apptrkr.com/892266**. Nominations and applications will be considered until the positions are filled. If you have questions regarding the application process, please email recruiting@eecs.psu.edu.

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Professional Opportunities

and hardware acceleration of computing-intensive applications).

These positions are associated with **the Center for Energy-Efficient Computing and Applications** (http://ceca.pku.edu.cn), which offers a new level of start-up and compensation packages.

Applications from distinguished candidates, at senior levels, are also encouraged.

To apply, please send your resume, statements of research and teaching and at least three letters of reference through our online application website or to ceca_recruiting@pku.edu.cn.

Applications received by January 15, 2017 will be given full consideration. Early submissions are highly encouraged (the first set of interviews will be conducted in December 2016).

Plymouth State University

Assistant Professor

Plymouth State University's (Plymouth, NH) Computer Science and Technology Department seeks one Information Technology / Computer Engineering / Computer Science tenure-track faculty position for January 2017 or August 2017.

Reference https://jobs.usnh.edu/postings/23779 for details and application.

Princeton University

Assistant Professor Positions in Computational Biology Available at Princeton University

The Lewis-Sigler Institute for Integrative Genomics at Princeton University invites applications for tenure-track faculty positions at the Assistant Professor Level. We are seeking outstanding scientists in the areas of bioinformatics, computational biology or biostatistics. The successful candidate would have an established track record of collaborative research with experimental biologists. We are particularly keen to recruit faculty who will extend and complement our existing strengths in bioinformatics and biostatistics.

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

Tenured and Tenure-Track Faculty Positions

Faculty Announcement:
The College of Information Sciences and Technology (IST) at the Pennsylvania State University invites applications for multiple tenured and tenure-track faculty positions and lecturer positions in the following areas. IST offers a highly collaborative interdisciplinary research environment, strong research programs in Artificial Intelligence, Data Sciences, Informatics, Human-Computer Interaction, Information Security and Privacy, and Socio-Technical Systems, a strong Ph.D. program (with over 100 Ph.D. students), and several highly successful undergraduate programs (including one in Data Sciences, offered in cooperation with Statistics and Computer Science). IST faculty and students enjoy extensive opportunities for interdisciplinary collaborations with colleagues from a wide range of disciplines as well as a number of university-wide cross-cutting centers and institutes (e.g., The Center for Big Data Analytics and Discovery Informatics, the Institute for Cyberscience, the Huck Institutes of the Life Sciences, the Social Science Research Institute, the Materials Research Institute, and the Institute for Energy and the Environment). The NIH-funded Clinical and Translational Sciences Institute, the NSF-funded North East Big Data Innovation Hub (wherein Penn State is one of the 5 lead institutions) and Interdisciplinary Graduate Training Programs in Bioinformatics and Genomics and in Biomedical Data Sciences (both funded by NIH), and in Social Data Analytics (funded by NSF) offer additional opportunities for collaborative research and graduate education. The Pennsylvania State University is the land grant institution of Pennsylvania. University Park is the largest of Penn State's 24 campuses, with undergraduate enrollment of approximately 44,000 students and offering more than 150 programs of graduate study. The College of IST has award-winning faculty and state of the art facilities. Both faculty and students are dedicated to collaboration and applying knowledge to make our lives better. University Park is located in Pennsylvania and is located in State College PA, ranked the 3rd safest metropolitan area in the United States by CQ Press, and the 8th best college towns in the nation by Best College Reviews.

For more information about specific positions and to apply:
- Data Sciences - General/Life Sciences/Material Sciences - https://ist.psu.edu/college/faculty_search#t455n2754
- Data Sciences - Ethics -https://ist.psu.edu/college/faculty_search#t455n2251
- Human Centered Design - https://ist.psu.edu/college/faculty_search#t455n2252
- Lecturers - https://ist.psu.edu/college/faculty_search#t455n2744
- Security and Privacy - https://ist.psu.edu/college/faculty_search#t455n2745

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.

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Professional Opportunities

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

Essential Qualifications

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

How to Apply

Applications must be submitted online at http://jobs.princeton.edu, requisition #1600658 (jobs.princeton.edu/applicants/Central?quickFind=68888) and should include a cover letter, curriculum vitae, a two-page research description, as well as contact information for at least three references. Applications will start being reviewed beginning on December 1, 2016.

Princeton University is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law. This position is subject to the University's background check policy.

Princeton University

Associate and Full Professor

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

A PhD in Computer Science or a related area is required. Successful candidates are expected to pursue an active research program and to contribute significantly to the teaching programs of the department. Applicants should include a CV and contact information for at least three people who can comment on the applicant's professional qualifications.

For full consideration we recommend that applicants apply by December 1, 2016, though we will continue to review applications past that date.

Princeton University is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to age, race, color, religion, sex, sexual orientation, gender identity or expression, national origin, disability status, protected veteran status, or any other characteristic protected by law. This position is subject to the University's background check policy.

You may apply online at: https://jobs.cs.princeton.edu/senior/

Requisition Number:1600784

Princeton University

Assistant Professor of Computer Science

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

A PhD in Computer Science or a related area is required. Candidates should expect to receive their PhD before Fall 2017. Successful candidates are expected to pursue an active research program and to contribute significantly to the teaching programs of the department. Applicants should include a CV and contact information for at least three people who can comment on the applicant's professional qualifications.

For full consideration we recommend that applicants apply by December 1, 2016, though we will continue to review applications past that date.

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

Requisition Number:1600774

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

Princeton University

Postdoctoral Research Associate-Theoretical Computer Science

Department of Computer Science at Princeton University is seeking applications for postdoctoral or more senior research positions in theoretical computer science and theoretical machine learning. Positions are for one year starting in September 2017 with the possibility of renewal. Candidates must have a PhD in Computer Science or a related field.For full consideration, we recommend that candidates apply (including letters of recommendation) by December 1, 2016, though we will continue to review applications past that date.

Professional Opportunities

Applicants should apply to: http://jobs.princeton.edu/ and submit a cover letter, CV, research statement, and contact information for three references.

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

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

Requisition Number: 1600886

Princeton University

Research Instructorships in Theoretical Aspects of Computer Science

The Department of Computer Science at Princeton University, in collaboration with the Institute for Advanced Study, offers two 3-year positions for outstanding new Ph.D.'s working in theoretical aspects of computer science, including machine learning. Combining research with teaching duties, these positions come with attractive benefits and working conditions. Typically, the first and third years of these appointments are spent at Princeton University and the second year is spent conducting research (without teaching duties) at the Institute for Advanced Study. These arrangements are flexible.

The typical teaching load in the first year of the position is a single one-semester course. The IAS has no teaching duties.

For full consideration applicants should apply by December 1, 2016, though late applications may be reviewed when needed.

Candidates are expected to complete a PhD in Computer Science or arelated field by July 1, 2017 for a September 2017 start. Please include a CV, research statement, teaching statement, and 3 letters, of which one should address teaching abilities.

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

This position is subject to the University's background check policy. Princeton University is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to age, race, color, religion, sex, sexual orientation, gender identity or expression, national origin, disability status, protected veteran status, or any other characteristic protected by law.

Apply online at: https://jobs.princeton.edu

Requisition number: 1600891

Rice University

Tenured and Tenure Track Faculty in Data Sciences

As part of Rice University's recently announced $150 million investment in research excellence, Rice intends to hire multiple faculty members whose research focus is in data science. We seek two distinct kinds of specialists: (1) data scientists who can make fundamental contributions to the theory, algorithms, and systems aspects of data science, and (2) scholars who work on emerging applications of data science to problems in **health and medicine, urban analytics, and high-volume or high-velocity data-intensive.** A successful candidate might have demonstrated capacity in either of these specialties, or in both of them.

The Data Science initiative seeks candidates **at all ranks,** for employment as early as July 1, 2017. All new hires will have an appointment in one or more relevant department. Assistant Professors will have a single primary department that will be responsible for their mentoring and promotion. At higher ranks, appointments across multiple departments are desirable.

Individual departments at Rice also have active faculty searches this year. Those searches are distinct from the Data Science search and may include research areas beyond those included in the Data Science search. Interested candidates should consider applying to both the Data Science search and any appropriate departmental search.

Applicants to the Data Science search should submit the following: (1) cover letter; (2) curriculum vitae; (3) research statement which describes how the candidate's work fits with Rice's data science initiative (not to exceed three pages including figures); (4) teaching statement; and (5) the names, professional affiliations, and email addresses of three references. For full details and to apply, please visit: http://datascience.rice.edu. These positions require a PhD, or PhD requirements fulfilled by November 1 of the year employment commences. Applications will be evaluated beginning on October 1, 2016 and will continue to be accepted until all positions are filled. All candidates should apply at: http://jobs.rice.edu/postings/8141.

Recommendation of candidates or questions regarding this opportunity can be directed to the committee at datascience@rice.edu.

Rice University, located in Houston, Texas, is a private, coeducational, nonsectarian university that aspires to path-breaking research, unsurpassed teaching, and contributions to the betterment of our world. Rice fulfills this mission by cultivating a diverse community of learning and discovery that produces leaders across the spectrum of human endeavor. From its beginning in 1912, Rice has been dedicated to excellence in all regards.

Rice University is an Equal Opportunity Employer with commitment to diversity at

Professional Opportunities

all levels, and considers for employment qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national or ethnic origin, genetic information, disability or protected veteran status.

Rice University

Postdoctoral Research Associate Positions in Data Science

The Departments of Statistics and of Computer Science at Rice University are seeking candidates for two postdoctoral research associate positions, as part of a recently awarded Research Training Groups in Mathematical Sciences (RTG) grant. The successful candidates will work with faculty members and graduate students in both Statistics and Computer Science to develop innovative methodologies for data science. The positions will involve working closely with faculty members to develop and teach a new course on data science that will be offered to graduate and advanced undergraduate students who participate in the Research Training Group. Highly motivated and qualified candidates with research experience in areas such as statistical inference and machine learning are encouraged to apply. A Ph.D. in Statistics, Computer Science, or related fields is required. This opportunity is restricted to U.S. citizens or Permanent Residents only.

Review of applications will begin immediately. To apply, please refer to https://jobs.rice.edu/postings/8328. Please submit a cover letter, a curriculum vita, a research statement, two representative publications, and contact information for three references. For more information, please contact Prof. Luay Nakhleh (nakhleh@rice.edu) or Prof. Marina Vannucci (marina@rice.edu) for the computer science and statistics openings, respectively.

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

Rice University - Postdoctoral Position in Translational Bioinformatics

Rice University and MD Anderson Cancer Center

The available project is on computational modeling of molecular interaction interfaces by integrating protein structural data mining and machine learning with applications to drug design. Recently, large-scale systems biology platforms have been used to identify that, in contrast to common genomic variants, a significant fraction of disease-causing mutations tend to disrupt protein-protein interaction interfaces, a possible mechanism underlying human disease. Using integrative computational approaches, we seek to understand the fundamental genotype- phenotype relationships underlying human disease at the interaction interface level, aiming to stratify and functionalize genomic mutations to aid disease diagnosis and therapy in the era of precision medicine. In this project, we develop and implement a set of algorithms for the discovery of protein interaction interfaces from structures available in database such as PDB. We use machine learning methods to analyze the results.

Successful candidates will be supervised jointly by Dr. Lydia Kavraki at Rice University and Dr. Nidhi Sahni at the MD Anderson Cancer Center. The postdoctoral research will be performed in a highly interdisciplinary and collaborative environment with world-class experts and state-of- the-art technologies and facilities, which provide unique and ideal career development opportunities.

Due to restrictions in funding, only US Citizens or Green Card holders can apply. The position is available immediately.

Qualifications and Application

The ideal candidate will have a strong enthusiasm for interdisciplinary work. Required skills include excellent analytical skills, experience with programming in C++, R, Python or Java and some exposure to structural biology. A Ph.D. is required for the position in a related field. In the past successful candidates had had degrees in Bioinformatics, Computer Science, Bioengineering, Biophysics, Computational Biology, Physics, and Chemistry. Prior experience with protein and nucleic acid structural predictions and machine learning is a plus. Excellent communication and collaboration skills are required as the selected candidate will be expected to work closely with current lab members and with collaborators.

To indicate interest, please send a curriculum vitae including publications and the contact information of three references to Dr. Lydia Kavraki (kavraki@rice.edu) and Dr. Nidhi Sahni (nsahni@mdanderson.org). Applications will be accepted until the position is filled. Only US Citizens and Green Card Holders can apply due to restrictions in funding.

Additional Information

Rice University is a leading research university in the vibrant urban setting of Houston, TX, the fourth largest city in the U.S. Rice is a small, private university with exceptional strengths in engineering, biomedicine, and nanotechnology.

MD Anderson Cancer Center ranks as No. 1 cancer hospital (US News & World Report), and also No. 1 in the number of awarded grants from National Cancer Institute. The two institutions are in close proximity.

Professional Opportunities

ROCHESTER INSTITUTE OF TECHNOLOGY
Rochester, New York
Computing and Information Sciences Multiple Openings for Fall 2017

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

- Tenure-track assistant professor in Computer Science: cluster hire in cybersecurity (#2768BR)
- Tenure-track assistant professor in Computing Security: cluster hire in cybersecurity (#2764BR)
- Tenure-track assistant professor in Computer Science: machine learning (#2753BR)
- Tenure-track assistant professor in Computer Science: systems with a focus on pervasive computing (#2754BR)
- Tenured/tenure-track assistant/associate/professor in Software Engineering: all areas (#2725BR)
- Tenured/tenure-track assistant/associate/professor in Software Engineering: all areas (#2729BR)
- Tenured/tenure-track assistant/associate/professor in Software Engineering: all areas (#2763BR)
- Tenure-track assistant professor in Software Engineering beginning January 2017: all areas (#2728BR)
- Tenure-track assistant professor in Information Sciences and Technologies: human-computer interaction or web and mobile computing (#2758BR)
- Lecturer in Information Sciences and Technologies to teach in the areas of data acquisition and analysis including networking, sensor networks, wearable computing, and data analytics (#2759BR)
- Lecturer in Computer Science to teach in the areas of introductory and core Computer Science (#2756BR)

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

The B. Thomas Golisano College of Computing and Information Sciences is the largest of RIT's nine colleges and has an enrollment of over 3000 undergraduate students and 800 graduate students. The college, with over 140 faculty members, is housed in a modern facility equipped with numerous teaching and research laboratories. The college is home to the departments of Computer Science, Computing Security, Information Sciences and Technologies, Software Engineering, the School of Interactive Games and Media, and a college-wide PhD program, providing many opportunities for cooperation and research collaboration within and beyond the college.

RIT is a national leader in professional and career-oriented education. Talented, ambitious, and creative students of all cultures and backgrounds from all 50 states and more than 100 countries have chosen to attend RIT. Founded in 1829, Rochester Institute of Technology is a privately endowed, coeducational university with nine colleges emphasizing career education and experiential learning. With approximately 15,000 undergraduates and 3,200 graduate students, RIT is one of the largest private universities in the nation. RIT offers a rich array of degree programs in engineering, science, business, and the arts, and is home to the National Technical Institute for the Deaf. RIT has been honored by *The Chronicle of Higher Education* as one of the "Great Colleges to Work For" for four years. RIT is a National Science Foundation ADVANCE Institutional Transformation site. RIT is responsive to the needs of dual-career couples by our membership in the Upstate NY HERC.

RIT 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

Professional Opportunities

Rice University

Tenure-Track Assistant Professor Positions and Non-Tenure-Track Teaching Faculty Positions

Tenure-Track Assistant Professor Positions

The Department of Computer Science at Rice University invites applications at the rank of tenure-track Assistant Professor. Strong applicants in all areas of computer science are encouraged to apply. Exceptional candidates at the Associate and Full Professor levels will also be considered. A commitment to excellence in both research and teaching is required for a tenure-track appointment, and teaching loads are low for tenure-track faculty to accommodate time for research. The positions will start in July 2017. Applicants must hold a Ph.D. degree or equivalent in computer science or a related discipline, or must complete the Ph.D. by November 1 of the year employment commences. As part of its new Data Science Initiative, Rice University is conducting an independent search for data science candidates (see http://datascience.rice.edu for details). It is recommended that any applicant whose background overlaps with the CS search and the Data Science search apply to both searches.

Please submit a CV, a research statement, a statement of teaching interests, and the names and addresses of at least three references through the Department's website, http://csfacultyapplications.rice.edu. The application deadline for these positions is December 31, 2016. However, late applications may still be considered at the discretion of the faculty search committee. Please specify clearly in your cover letter that you are applying for a tenure-track faculty position. More information can be found on our web site, http://www.cs.rice.edu, or by contacting the Computer Science Department Administrator, Karen Lavelle, at klavelle@rice.edu.

Non-Tenure-Track Teaching Faculty Positions

The Department of Computer Science at Rice University invites applications for non-tenure-track full-time teaching faculty positions in the broad areas of software and algorithms. Responsibilities will include teaching freshman- and sophomore-level courses that use Python and Java, both on-campus and on-line, during the academic year. Opportunities for summer employment are also available through course development and/or research efforts. These positions will start in August 2017. Please submit a CV, a statement of teaching interests, and the names and addresses of at least three references through the Department's website, http://csfacultyapplications.rice.edu. The deadline for applications for these positions is January 31, 2017. However, late applications may still be considered at the discretion of the faculty search committee. Please specify clearly in your cover letter that you are applying for a non-tenure-track teaching position. More information can be found on our web site, http://www.cs.rice.edu, or by contacting the Computer Science Department Administrator, Karen Lavelle, at klavelle@rice.edu.

Rice University is an Equal Opportunity Employer (Females/Minorities/Veterans/Disabled/Sexual Orientation/Gender Identity) located in Houston, Texas.

Rutgers University

Non Tenure Track Assistant or Associate Professor

The Department of Computer Science at Rutgers University invites applications for a 1-year non-tenure-track renewable position at the rank of Assistant or Associate Teaching Professor. The appointment will start either Spring 2017 or Fall 2017, and will continue through the end of the 2017-18 academic year. Main responsibilities include teaching, managing, developing, and updating undergraduate classes.

Please see http://apply.interfolio.com/36929 for more details.

Sacred Heart University

Tenure-Track Assistant and Associate Professors of Computer Science & Computer Engineering

Sacred Heart University,the second-largest independent Catholic university in New England, offers more than 70 undergraduate, graduate, doctoral, and certificate programs on its main campus in Fairfield, Connecticut, and at satellite campuses in Connecticut, Luxembourg, and Ireland. More than 8,000 students attend the University's five Colleges: Arts & Sciences; Health Professions; Nursing; the Jack Welch College of Business; and the Isabelle Farrington College of Education. The Princeton Review includes SHU in its guides "Best 379 Colleges-2015 Edition," "Best in the Northeast" and "Best 296 Business Schools- 2015 Edition." U.S. News & World Report ranks SHU among the best master's universities in the north in its annual "America's Best Colleges" publication. SHU fields 32 division I athletic teams and has an award-winning program ofcommunityservice.

Tenure-Track Assistant and Associate Professors of Computer Science & Computer Engineering

Sacred Heart University,in Fairfield, Connecticut, has launched a new School of Computing within its College of Arts and Sciences, in response to outstanding growth in its various computing programs. The School of Computing hosts two graduate programs (M.S. in Computer Science & Information Technology; M.S. in Cybersecurity); four undergraduate programs (B.S. in Computer Science; B.S. in Information Technology; and B.S. in Game Design & Development; and, a B.S. in Computer Engineering starting in the fall of 2017); and several graduate

Professional Opportunities

certificates. The school has experienced a significant increase in undergraduate majors and graduate students over the past three years. Hence, it is seeking dynamic, innovative teachers and scholars to help develop and teach introductory and advanced courses in computer engineering, gaming, and cybersecurity, while ensuring the programs align with accreditation standards. We invite you to learn more about Sacred Heart University on our website at www.sacredheart.edu. Come joinour team! Come helpshapethe future of these pioneering programs.

The School of Computing is searching for passionate, creative, entrepreneurial colleagues to fill six tenure-track appointments in the following areas.

- Engineering & Physics – Open Specialty
- Computer Engineering – Director of Undergraduate Program
- Computer Science – Cybersecurity, Director of Graduate Program
- Computer Science – Cybersecurity
- Computer Science – Gaming
- Computer Science – Open Specialty

Primary responsibilities for all positions include:

- Helping develop and refine program curricula
- Designing and teaching both undergraduate and graduate course offerings in your discipline
- Conducting quality research in your discipline
- Advising program majors
- Supervising student research and capstone projects
- Preparing the program for professional accreditation

The typical teaching load at Sacred Heart is 21 credits per year for tenured and tenure-track faculty members with active research agenda. Administrative course releases may be available for major course- and curriculum-development projects in support ofthe university's strategic initiatives. The university offers a comprehensive faculty benefits package, including tuition remission.

Minimum Qualifications:

- Doctoral degree in computer science, computer engineering, or a closely related discipline attained before August of 2017
- Comfortwith a highly interactive learning environment that includes significant faculty/student interaction
- Commitmentto diversity and equity in education
- Demonstrated excellence inteaching
- Openness to innovative pedagogical approaches
- Strong potential for scholarly research and productivity

Preferred Qualifications:

- Experience in curriculum development and design
- Experience with hands-on and project-based learning
- Familiarity with accreditation processes
- Ongoing program of scholarly research and publication

To apply, please submit a letter of interest that relates your qualifications to the requirements of the position, your curriculum vitae, a statement describing your teaching philosophy, a statement describing your past and future research interests, and a list of three references at http://sacredheart.interviewexchange.com/candapply.jsp?JOBID=77163&

Review of applications will begin immediately and continue until the position is filled; both Fall 2017 and January 2017 start dates will be considered. Please direct any questions regarding the positions in the School of Computing to Professor Domenick Pinto, Director of the School of Computing and Professor of Computer Science, at pintod@sacredheart.edu.

Ecumenical in spirit and led by the laity, Sacred Heart University is dedicated to excellence in academics and to the Catholic intellectual and liberal arts traditions.We are looking for individuals who value the university's Catholic identity, tradition and spirit, and support its commitment to the intellectual and ethical development of our students.Sacred Heart Universityisan Equal Opportunity/ Affirmative Action employer,committed to a policy of non-discrimination andequal opportunityfor all employees and qualified applicants, without regard to race, color, religious creed, national origin, sex, sexual orientation, gender, disability, or status as a veteran.

Sandia National Laboratories

John von Neumann Fellowship in Computational Science

Sandia National Laboratories' Center for Computing Research (NM) and the Computer Sciences and Information Systems Center (CA) are now accepting applications for the 2017 John von Neumann Post-Doctoral Research Fellowship in Computational Science. This prestigious post-doctoral fellowship is supported by the Applied Mathematics Research Program in the U.S. Department of Energy's Office of Advanced Scientific Computing Research.

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

Applications will be accepted through December 1, 2016.

To apply, visit sandia.gov/careers and search for job #654914.

Professional Opportunities

Seattle Pacific University

Department of Engineering and Computer Science: Computer Science

Assistant Professor

Tenure track position available September 2017. Ph.D. in Computer Science or a closely related field (i.e., Computer Engineering or Software Engineering), preferably with emphases in programming languages, algorithms and complexity, and/or operating systems. ABD candidates will be considered. To complement current faculty interests, candidates with significant background in web and mobile development or computer graphics will be given high priority. Successful candidates should demonstrate a commitment to undergraduate education and show promise of scholarly production. Founded in 1891, Seattle Pacific University has a long and distinguished history in Christian higher education. Its comprehensive academic programs serve more than 4,100 undergraduate and graduate students. Located just minutes from downtown Seattle, SPU seeks to be a premier Christian University fully committed to engaging the culture and changing the world by graduating people of competence and character, becoming people of wisdom, and modeling grace-filled community. Seattle Pacific University seeks applicants committed to its Christian mission. Due to our mission of cultural engagement, SPU is committed to building an excellent and diverse teaching faculty. Women and people of color are particularly encouraged to apply.

The online application includes an official SPU application form, a faith statement and teaching philosophy statement of approximately one page each, a curriculum vitae, and other supporting documents. Review of applications will begin in November, 2016. [Position subject to final funding approval.] Address inquiries to Prof. Elaine Weltz, Computer Science Chair, Seattle Pacific University, 3307 3rd Ave W, Seattle, WA 98119-1957, cscsearch@spu.edu

Simon Fraser University

Tenure-track Faculty Positions

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

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

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

Simon Fraser University is located in metropolitan Vancouver, one of the most

SOUTHEAST MISSOURI
STATE UNIVERSITY · 1873

Department of Computer Science
Assistant or Associate Professor – Cybersecurity
Cape Girardeau, MO

Southeast Missouri State University seeks a tenure track, assistant or associate professor of Cybersecurity. The successful candidate will be responsible for teaching undergraduate and graduate courses in computing-related technologies.

For a complete job announcement and application procedure, visit:
http://agency.governmentjobs.com/semoedu/default.cfm?promotionaljobs=1.

AN EQUAL OPPORTUNITY, AFFIRMATIVE ACTION EMPLOYER

Professional Opportunities

livable cities in the world. The School of Computing Science has recently been **ranked in the top 3 in Canada as well as top 50 in the world,** both in research strength and employability of students, by the Shanghai Ranking, US News, and LinkedIn. The School currently has 52 faculty members, approximately 250 Ph.D. and M.Sc. students, and more than 1600 undergraduate majors.

Review of applications will commence December 1, 2016. The positions are subject to availability of funding and approval by the SFU Board of Governors.

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

https://gradpcs.cs.sfu.ca/~faculty16a/apply

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

Singapore University of Technology and Design

Faculty Openings in Information Systems Technology and Design

The Singapore University of Technology and Design (SUTD) invites applicantions for tenure-track or tenured appointments in all areas of computer science and computer engineering. Priority will be given to candidates with demonstrated research record in algorithms, cyber security, and distributed computing, and a potential for quality classroom teaching using active learning. Duties include teaching of graduate and undergraduate classes, research, supervision, and service. ISTD is committed to creating a diverse group of faculty across all areas including gender and ethnicity.

Singapore offers a variety of research opportunities with strong financial support. Available to researchers in cyber security is affiliation with the iTrust center that offers world-class interconnected testbeds in power generation, distribution, and management; water treatment; water distribution; and Internet of Things. Current focus at iTrust includes research in the design of secure Cyber Physical Systems, Internet of Things, and Large Scale Communications Networks.

SUTD is established in collaboration with the Massachusetts Institute of Technology (MIT) and Zhejiang University in China. MIT's collaboration with SUTD includes the development of courses and curricula, assistance with faculty and student recruiting, mentoring, career development, and collaboration on joint research projects through the International Design Centre.

Successful candidates can expect internationally competitive remuneration, assistance for relocation to Singapore, and access to attractive funding opportunities.

Please submit your application package at http://www.sutd.edu.sg/academic/. Applications will be accepted until positions are filled.

Stanford University

Jr. level tenure track faculty positions (Asst. or untenured Assoc.)

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

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

Applications should include a curriculum vita, brief statements of research and teaching interests, and the names and contact information of at least four references. Please apply online at http://soe-apps.stanford.edu/FacultyApplyCS. Questions should be directed to, Search Committee Chair, c/o Laura Kenny-Carlson, via electronic mail to search@cs.stanford.edu.

The review of applications will begin on November 18, 2016, and applicants are strongly encouraged to submit complete applications by that date for full consideration; however, applications will continue to be accepted until January 15, 2017.

Stanford University is an equal opportunity employer and is committed to increasing the diversity of its faculty. It

Professional Opportunities

welcomes nominations of and applications from women, members of minority groups, protected veterans and individuals with disabilities, as well as from others who would bring additional dimensions to the university's research, teaching and clinical missions.

Swarthmore College

Tenure-Track and Visiting Faculty Positions

The Computer Science Department invites applications for one tenure-track position and multiple visiting positions at the rank of Assistant Professor to begin Fall semester 2017.

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.

Swarthmore College has a strong institutional commitment to excellence through diversity and inclusivity in its educational program and employment practices. The College actively seeks and welcomes applications from candidates with exceptional qualifications, particularly those with demonstrated commitments to a more inclusive society and world. For more information on Faculty Diversity and Excellence at Swarthmore, see http://www.swarthmore.edu/faculty-diversity-excellence/information-candidates-new-faculty.

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

For the tenure-track position, we are interested in applicants whose areas fit broadly into theory and algorithms, systems, or programming languages. Priority will be given to complete applications received by November 15, 2016.

For the visiting position, strong applicants in any area will be considered. Priority will be given to complete applications received by February 1, 2017.

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

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

Tenure-track applications are being accepted online at https://academicjobsonline.org/ajo/jobs/8018.

Visiting applications are being accepted online at https://academicjobsonline.org/ajo/jobs/8020.

Candidates may apply for both positions.

Temple University

Data Science Faculty Positions (Assistant/Associate/Full Professor)

The Department of Computer and Information Sciences (CIS) invites applications for multiple tenured and tenure track data science faculty. We are interested in data scientists who are developing methods and systems to collect, process, and analyze large amounts of data, as well as techniques to extract and visualize knowledge for various application domains.

CIS offers a highly competitive salary and start-up package, low teaching load, and institutional support for an active doctoral program.

Applications should be submitted electronically at https://academicjobsonline.org/ajo/jobs/8172. Review of candidates will begin immediately and continue until the positions are filled. Temple University is an affirmative action/equal opportunity employer with a strong commitment to the quality of faculty life.

The full text of the ad is at https://cis.temple.edu/TTpositions.

Texas A&M University

Assistant, Associate and Full Professor

The Department of Computer Science and Engineering of the College of Engineering at Texas A&M Universityinvites applications for multiple faculty positions, including an endowed chair professor starting fall 2017. Additionally, a number of multi-disciplinary centers and institutes are seeking faculty that may have interests alignedwith computer science or computer engineering. The department currently has 40 tenured and tenure-track faculty and 13 academic professional trackfaculty members who hold a number of national distinctions, including ACM, IEEE, AAAS and SIAM Fellows, andACM Distinguished Scientists and Engineers. The department has a strong and vibrant research program, with half thefaculty receiving NSF CAREER/NYI/PYI awards. More information about the department is available at http://www.cse.tamu.edu.

CSE invites applications for multiple tenure-track positions at the assistant, associate and full professor levels. Candidates are being sought in the areas of theory, systems, software, human-centered computing, applications, and computer science education. Applicants doing research in the frontiers of computer science with

Professional Opportunities

other disciplines will generate the most interest. Exceptional candidates in other areas are also welcome to apply. Successful candidates will be expected to teach at the undergraduate and graduate levels, develop an independent, externally funded research program, advise graduate students, participate in all aspects of the department's mission, and serve the profession.

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

Applicants should submit a cover letter, curriculum vitae, teaching statement, research statement, and a list of three references (including postal addresses, phone numbers and email addresses) by applying for this specific position at www.tamengineeringjobs.com. Full consideration will be given to applications received by January 2, 2017. Applications received after that date may be considered until positions are filled. It is anticipated the appointment will begin fall 2017. For specific questions about the positions, contact: search@cse.tamu.edu.

The members of Texas A&M Engineering are all Equal Opportunity/Affirmative Action/Veterans/Disability employers committed to diversity. It is the policy of these members to recruit, hire, train and promote without regard to race, color, sex, religion, national origin, age, disability, genetic information, veteran status, sexual orientation or gender identity.

Texas A&M

Faculty Positions in Spinal Cord Injury: Engineering, Molecular, and Biomedical Approaches

Four tenure-track/tenured faculty positions to begin in Fall 2017 in the area of spinal cord injury (SCI) at Texas A&M University. We seek creative, collaborative thinkers who use biomedical, behavioral, or engineering approaches to address fundamental questions regarding the neurobiology of injury and/or solutions to promote functional recovery, with the ultimate goal of bench-to-bedside translation.

Faculty will be affiliated with the Texas A&M Institute for Neuroscience (http://tamin.tamu.edu) and will be recognized as TIRR Foundation Fellows. Candidates must have a Ph.D., a record of outstanding achievement as evidenced by publications in the area of SCI, and a promising (assistant professor) or externally funded (associate, full professor) research program.

Applicants should submit a cover letter, curriculum vitae, research and teaching statements, the names of three potential referees, and selected reprints/preprints, all as a single PDF file to Chair, Spinal Cord Injury Search Committee, at Chair@tamin.tamu.edu. Applicants should also arrange to have three letters of recommendation forwarded to this e-mail address.

Texas A&M University is an affirmative action/equal employment opportunity employer and actively seeks applications from women and minority candidates. Veterans and individuals with disabilities are encouraged to apply.

United States Naval Academy

Assistant Professor of Computer Engineering

The Electrical and Computer Engineering Department of the United States Naval Academy is seeking applicants to fill multiple tenure-track positions at the Assistant Professor level in Computer Engineering. Applicants with teaching and research interests in all areas of computer engineering will be considered, including but not limited to cyber security, operating systems, computer networking, parallel computing, distributed systems, storage systems, embedded systems, and compilers.

For more information about these positions and how to apply, please visit the USNA position announcement at https://www.usna.edu/HRO/jobinfo/ASSTPROF-CE2016.php.

Universidad del Rosario in Bogotá - Colombia

Assistant Professor, Applied Mathematics and/or Computer Science

The Department of Mathematics at the Universidad del Rosario in Bogotá - Colombia is opening a faculty position at the Assistant professor level in Applied Mathematics or Computer Science in the following fields:

- Optimization and mathematical programing
- Numerical methods, differential equations and approximation theory
- Fourier analysis and signal processing
- Topology and differential geometry
- Machine Learning
- Computational geometry
- Big data and data mining
- Graphics and computer vision
- Cybersecurity
- HPC, distributed computing and parallelization

Candidates must have a PhD degree in mathematics, computer science or related fields.

The application form should be written in English and include cover letter, Curriculum Vitae, research statement, teaching statement and contact information of three references.

The position will remain open until filled. The documents can be sent in electronic form (as pdf files) to macc@urosario.edu.co.

University of Alabama

Assistant or Associate Professor

The Department of Computer Science at the University of Alabama invites applications for multiple tenure-track faculty positions at the Assistant or Associate level to

Professional Opportunities

begin August 2017. Outstanding candidates in all areas of computer science will be considered. Successful applicants must show the potential to establish a quality research program, collaborate effectively with other faculty, and excel in teaching at both the undergraduate and graduate levels. In addition, successful applicants must demonstrate the potential to contribute to the University of Alabama's initiatives with respect to water, the Alabama Water Institute (http://awi.ua.edu/), and/or transportation, the Alabama Transportation Institute (http://ati.ua.edu/). Expertise needed by the AWI and ATI may include, but is not limited to, areas such as big data, spatial data, data analytics, data visualization, machine learning, vehicular networks, software modeling, software engineering, security, robotics, and autonomous vehicles.

Located in Tuscaloosa, Alabama, the University of Alabama enrolls over 37,000 students. The Computer Science Department has 22 faculty members (14 tenured/tenure-track faculty), over 600 undergraduates and approximately 50 graduate students. The Department generated over $13 million in research expenditures in FY 2015 and our doctoral program has produced 33 graduates in the past five years.

Applicants should apply online at http://facultyjobs.ua.edu/postings/39546. Applicants must have an earned doctorate (Ph.D.) in computer science or a closely related field. The application package should include a cover letter addressing how the applicant is able to contribute to the ATI and AWI initiatives, curriculum vitae, and the names of three references. Review of applications will begin immediately. For additional details, please contact Dr. David Cordes (faculty.search@cs.ua.edu) or visit http://cs.ua.edu.

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

University of Alabama at Birmingham

Asst/Assoc/Full Professor of Computer Science

The Department of Computer and Information Sciences (CIS) at the University of Alabama at Birmingham (UAB) is seeking candidates for a tenure-track/tenure-earning/tenured faculty position at the Assistant/Associate/Full-Professor rank beginning Fall 2017. For additional information about the Department, please visit: http://www.cis.uab.edu.

Candidates with expertise in all core CIS areas are sought, with preference given to: (1) Advanced Computing Systems (broadly defined, including large-scale systems, distributed systems, and software systems), and (2) Data Science (broadly defined, including machine learning, data mining and big data). UAB has made a significant commitment to both research and teaching in Computer Science. Candidates must consequently have strong research and teaching credentials. Experience and success in funded research is desirable for junior-level candidates, and required for senior-level candidates. UAB is a Carnegie "Very High Research Activity" University.

The CIS Department at UAB offers PhD, MS and BS programs. The Department has a strong research focus, and a strong commitment to teaching, service and outreach. The goal is to grow the PhD, MS and BS significantly over the next several years. Research funding is expanding significantly, and the Department has a leadership role in a Center focusing on Information Assurance, Security and Computer Forensics. Collaborations with UAB's medical enterprise are strong and growing, with many opportunities for faculty to participate in interdisciplinary work.

A Ph.D. in Computer Science or a closely related field is required. Applications should include a curriculum vitae, a list of publications and scholarly achievements, a statement of future research plans, a statement of teaching experience and philosophy, and at least three reference letters. Applications and all other materials (including reference letters) should be submitted through UAB's portal at People Admin: uab.peopleadmin.com

Review of candidates will begin November 15, 2016, and the search will continue until the position is filled.

UAB is an Equal Opportunity/Affirmative Action Employer committed to fostering a diverse, equitable and family-friendly environment in which all faculty and staff can excel and achieve work/life balance irrespective of ethnicity, gender, faith, gender identity and expression as well as sexual orientation. UAB also encourages applications from individuals with disabilities and veterans. A pre-employment background investigation is performed on candidates selected for employment.

University of Arkansas

Tenured Associate or Full Professor and Tenure-Track Assistant Professor

The Department of Computer Science and Computer Engineering at the University of Arkansas invites applications for two positions. We have a tenured associate or full professor position in big data analytics and a tenure-track assistant professor position in artificial intelligence, machine learning, cyber-physical systems, or cybersecurity, both to start in August 2017. Applicants for the associate or full professor position should present an excellent track record in scholarship, sustained external funding, and teaching and are expected to have national and international recognition. Salary is very competitive. Applicants for the assistant professor position should present

Professional Opportunities

a promising track record in scholarship and evidence of teaching ability.

For application details, visit http://csce.uark.edu.
The UA is AA/EO employer/Veterans/Disabled.

University at Buffalo

Full Professor, Associate Professor, Assistant Professor

The Department of Computer Science and Engineering, University at Buffalo invites candidates to apply for **multiple tenured and tenure-track faculty positions** beginning in the 2017-2018 academic year. Candidates at all **ranks from all areas of computer science and engineering,** including but not limited to areas covered by existing faculty strength such as Algorithms, Big Data, Cyber Security, Cyber Physical Systems (or Internet of Things), Databases, Distributed Systems, Embedded Systems, Machine Learning, Mobile Computing, Multimedia, Pattern Recognition, Robotics, and Theory. Applicants must have a Ph.D. in computer science or a related area by August 2017 and demonstrate potential for excellence in research, teaching, service and mentoring. Applicants from underrepresented groups, especially women and minorities, are strongly encouraged. We are looking for candidates who can operate effectively in a diverse community of students and faculty and share our vision of keeping all constituents reach their potential.

Applications will be accepted from October 15, 2016 to January 15, 2017. Applicants must submit their application electronically via www.ubjobs.buffalo.edu. Posting number 1600687. Any questions can be directed to Search Committee Co-Chairs, Prof. Rohini Srihari and Chang-Wen Chen at cse-recruit@buffalo.edu. The University at Buffalo is an Equal Opportunity Employer.

Computer Science and Engineering Department

Housed in a new $75M building, and as a part of the School of Engineering and Applied Sciences, the Computer Science and Engineering department offers both BA and BS degrees in Computer Science and a BS in Computer Engineering (accredited by ABET) as well as MS and PhD programs.

The department currently has 38 tenured/tenure-track faculty, 7 teaching faculty, and approximately 900 undergraduate majors, 450 masters students, and 160 PhD students. Eighteen faculty, including 16 junior faculty have been hired since 2010, and we are continuing to expand. Two members of our faculty currently hold key university leadership positions and eight members of our faculty are IEEE and/or ACM Fellows. Our faculty members are actively involved in cutting-edge research and successful interdisciplinary programs and centers devoted to biometrics; bioinformatics; biomedical computing; computational and data science and engineering, document analysis and recognition; high performance computing; information assurance and cyber security; embedded, networked and distributed systems, and sustainable transportation. Our annual research expenditure is about $5 Million dollars.

University at Buffalo (UB)

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

The city of Buffalo is the second largest city in New York state, and was recently voted as one of the top ten best places to live and raise a family by Forbes magazine. Buffalo is near the world-famous Niagara Falls, the Finger Lakes, and the Niagara Wine Trail. The city is renowned for its architecture and features excellent museums, dining, cultural attractions, and several professional sports teams, and has a packed year-round calendar of cultural events and sporting activities, coupled with relatively low house prices and great schools. The economic renaissance of the region is underlined by a revitalized downtown waterfront and an energetic tech and start-up community. In an extraordinary recognition of Western New York's potential, Governor Andrew M. Cuomo has committed an historic $1 billion investment in the Buffalo area economy to create thousands of jobs and spur billions in new investment and economic activity over the next several years.

University at Buffalo

Lecturer

The State University of New York at Buffalo Department of Computer Science and Engineering invites candidates to apply for non-tenure track lecturer positions beginning in fall 2017. We invite applications from candidates from all areas of Computer Science and Computer Engineering who have a passion for teaching. We are particularly looking for candidates who can operate effectively in a diverse community of students and faculty and share our vision of helping all constituents reach their potential. Applicants from underrepresented groups, especially women and minorities, are strongly encouraged. We are looking for candidates who can operate effectively in a diverse community of students and faculty and share our vision of keeping all constituents reach their potential.

Lecturer's 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.

Professional Opportunities

Applications will be accepted until January 15, 2017. Applicants must submit their application electronically via www.ubjobs.buffalo.edu. The University at Buffalo is an Equal Opportunity Employer.

Computer Science and Engineering Department

Computer Science and Engineering department is housed in a new $75M building and, as a part of the School of Engineering and Applied Sciences, the department offers both BA and BS degrees in Computer Science, a BS in Computer Engineering (accredited by ABET), a combined 5-year BS/MS program, a minor in Computer Science, two joint programs (a BA/MBA and with Computational Physics), and MS and PhD programs.

The department currently has 38 tenured/tenure-track faculty, 7 teaching faculty, and approximately 900 undergraduate majors, 450 masters students, and 160 PhD students. Eighteen faculty, including 16 junior faculty have been hired since 2010, and we are continuing to expand. Two members of our faculty currently hold key university leadership positions and eight members of our faculty are IEEE and/or ACM Fellows. Our faculty members are actively involved in cutting-edge research and successful interdisciplinary programs and centers devoted to biometrics; bioinformatics; biomedical computing; computational and data science and engineering, document analysis and recognition; high performance computing; information assurance and cyber security; embedded, networked and distributed systems, and sustainable transportation. Our annual research expenditure is about $5 Million dollars.

University at Buffalo (UB)

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

City and Region

The city of Buffalo is the second largest city in New York state, and was recently voted as one of the top ten best places to live and raise a family by Forbes magazine. Buffalo is near the world-famous Niagara Falls, the Finger Lakes, and the Niagara Wine Trail. The city is renowned for its architecture and features excellent museums, dining, cultural attractions, and several professional sports teams, and has a packed year-round calendar of cultural events and sporting activities, coupled with relatively low house prices and great schools. The economic renaissance of the region is underlined by a revitalized downtown waterfront and an energetic tech and start-up community. In an extraordinary recognition of Western New York's potential, Governor Andrew M. Cuomo has committed an historic $1 billion investment in the Buffalo area economy to create thousands of jobs and spur billions in new investment and economic activity over the next several years.

Minimum Qualifications (Position):
Ideally, applicants should have a PhD degree in Computer Science, Computer Engineering, or a related field by August 2017. Exceptional applicants with a MS degree will also be considered. The ability

Berkeley
University of California

Assistant, Associate, and Full Professors, Electrical Engineering and Computer Sciences

The University of California, Berkeley invites applications for approved tenure and tenure-track positions in Electrical Engineering and Computer Sciences at the Assistant, Associate, and Full Professor level. Rank will be determined based on qualifications and experience. The expected start date for this position is July 1, 2017. For more information about the position, including required qualifications and application materials, please select based on rank:

Tenure-Track applicants (including current Assistant Professors), go to URL: https://aprecruit.berkeley.edu/apply/JPF01152.

Tenured applicants (current tenured Associate and Full Professors), go to URL: https://aprecruit.berkeley.edu/apply/JPF01184

The deadline to apply is January 6, 2017. For questions, please contact the Search Committee Chair at eecs-faculty-recruiting@eecs.berkeley.edu. UC Berkeley is an **AA/EEO employer.**

UCLA

Tenure-Track or Tenured Faculty Electrical Engineering

The Electrical Engineering Department in the Henry Samueli School of Engineering and Applied Science at the University of California, Los Angeles (UCLA) is accepting applications for tenure-track faculty positions.

All applications should be submitted via our online submission web site at **http://apptrkr.com/887591**
3 to 6 references required (contact information only).

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

Professional Opportunities

to teach at all levels of the undergraduate curriculum is essential, as is potential for excellence in teaching, mentoring, service, and research. A background in Computer Science and Computer Engineering Education, a commitment to K-12 outreach, and addressing the recruitment and retention of underrepresented students are definite assets.

University of California, Berkeley

Assistant Professor - Human-Computer Interaction - School of Information

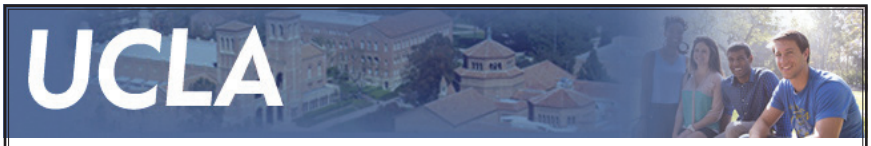
The School of Information at the University of California, Berkeley invites applications for a full time, tenure-track faculty position at the Assistant Professor level, with an expected start date of July 1, 2017, in the area of Human-Computer Interaction.

Human-Computer Interaction (HCI) is a diverse area that includes the study, design, construction and/or implementation of human-centric interactive technologies. HCI research and practice draws upon areas such as information science, science and technology studies, cognitive science, psychology, communications studies, computer science and engineering, and design. We encourage strong applicants working at exciting new frontiers of HCI who seek to relate their research to the core mission of the School of Information.

The minimum qualification required to be considered an applicant for the position is a doctoral degree or equivalent degree, or all degree requirements except the dissertation, in a related discipline (such as computer science or a relevant social science) or professional field (e.g., information science, digital humanities) at the time of application. A Ph.D. or equivalent degree is required by date of hire.

Preferred qualifications (by start date) include a demonstrated record of relevant research in designing innovative solutions for human-computer interaction problems. A successful candidate will possess appropriate technical expertise and research excellence, and be committed to working in a multidisciplinary setting. Relevant professional or industry experience is also desirable. The School is interested in candidates who will contribute to diversity and equal opportunity in higher education through their teaching, research, and service.

Additionally, the successful applicant will be expected to establish a high quality research program and to teach graduate courses in their area of specialty, as well as core HCI courses at the School of Information (e.g., User Experience Research,



Lecturer with Potential for Security of Employment in Computer Science at UCLA

The department of computer science at UCLA is seeking candidates with a strong record of outstanding teaching for a full-time Lecturer with Potential for Security of Employment. This is a permanent position, similar to tenure-track, with Academic Senate membership and an expectation of participation in governance and management of the university's educational program through committee service, curriculum development, and administration. The nominal teaching load is six courses per year on a quarter system. Salary will be commensurate with experience and University of California pay scales. We hope to have the successful candidate start in Fall 2017.

The ideal candidate would have the following qualifications:

- At least an M.S. degree in computer science or closely related field, with a Ph.D. preferred.
- Documented outstanding teaching of computer science.
- Ability and interest in teaching a broad range of computer science courses, with a particular emphasis on introductory courses.
- Experience with curriculum development.
- Experience with outreach programs to students from populations that are underrepresented in STEM fields.
- A record of extramural contributions to the computer science education community.
- Success in securing extramural funding for educational programs.

Completed applications will include a cover letter, curriculum vitae, teaching portfolio, including a list of courses taught over the past several years and enrollment statistics, teaching statement, complete sets of recent teaching evaluations including numeric scores, range of scores, departmental averages, and student comments, and three to five letters of reference. **These should be uploaded electronically to** http://apptrkr.com/885328

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.

Applications will be accepted until the position is filled, but for fullest consideration, please submit applications by January 9, 2017.

Professional Opportunities

Information Visualization, and Human-Centered Design); in addition, applicants will provide service to the School and University. Relevant professional or industry experience is also desirable.

The School of Information is the most recently formed school on the Berkeley campus. We are a multidisciplinary professional school. Our faculty members come from diverse fields, including political science, sociology, economics, law, engineering, computer science, media arts and design, and information science. We share a commitment to building a new field of scholarship and practice that addresses the design of new genres of information, information systems, and media, information policy and ethics, and the relationships among information/information systems and individuals, organizations, and society.

Our master's graduates are employed in corporations and start-ups as well as government and non-profit organizations. Their jobs typically involve information design and architecture, user- centered design, document engineering, project management, consulting, web-based information services, and information policy and science. Graduates of our PhD program have taken

positions in places such as the Heinz School of Public Policy and Management at Carnegie Mellon, the Berkman Center for Internet and Society at Harvard, and Microsoft Research. We also offer undergraduate courses in fields such as new media and the history of information.

Applications must include:

- A cover letter
- Curriculum Vitae
- A short statement of teaching experience
- A short statement of research interests
- Three selected publications. One additional selected publication, if preferred, is optional
- A link to a website demonstrating applicant's research and teaching expertise
- A statement addressing past and/or potential contributions to equity and inclusion through research, teaching, and/or service.

Three letters of recommendation will be required. All letters will be treated as confidential per University of California policy and California state law. Please refer potential referees, including when letters are provided via a third party (i.e., dossier service or career center), to the UC Berkeley statement of confidentiality http://apo.berkeley.edu/evalltr.html prior to submitting their letters.

To apply, please submit all materials electronically, by December 12, 2016, to the following URL:

https://aprecruit.berkeley.edu/apply/JPF01169

Questions may be sent to dean@ischool.berkeley.edu

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, 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 School is committed to addressing the family needs of faculty, including dual career couples and single parents.

For information about potential relocation to Berkeley, or career needs of accompanying partners and spouses, please visit: http://ofew.berkeley.edu/new-faculty.

University Of California, Davis

Department Of Computer Science

Faculty Position

The Department of Computer Science at the University of California at Davis invites applications for a faculty position at the rank of Assistant, Associate or Full professor in Computer Science, for appointments with a start date in Spring 2017, or later. The focus of this position is at the near-tenure level or above. We seek excellent candidates in all areas of computer science. The campus is especially interested in candidates who can contribute to the diversity and excellence of the academic community through their research, teaching, and service.

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

Interested persons should apply using the instructions given at:

http://www.cs.ucdavis.edu/blog/faculty-employment-positions/

http://www.cs.ucdavis.edu/department/employ

Professional Opportunities

Applications should include a vita, a personal statement, a three or four selected publications, a diversity statement, a teaching statement, and the names of three references; candidates who wish to be considered at the Associate level should provide four references and those at who wish to be considered the Full level, five references. Review of completed applications will begin November 15, 2016. The position remains open until filled.

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

University of California, Los Angeles

Tenure Track Faculty Position

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 at: http://policy.ucop.edu/doc/4000376/NondiscrimAffirmAct.

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/JPF02635. Because of internal deadlines we encourage early applications. Only applications received by December 15, 2016 can be guaranteed full consideration.

University of California Merced

Faculty Position in EECS - Assistant Teaching Professor

The School of Engineering at the University of California Merced invites applications for a qualified Assistant Teaching Professor to teach undergraduate core courses in Computer Science and Engineering, and to coordinate the undergraduate Computer Science and Engineering program. The successful candidate will be actively involved in university-wide educational projects and student development programs. The job title is also known as Lecturer with Potential Security of Employment (LPSOE), which parallels the research-focused faculty series but with emphasis on excellence in teaching and other instruction-related activities.

Details and application information can be found at https://aprecruit.ucmerced.edu/apply/JPF00394. Full consideration will be given to applications received by January 10, 2017. Applications will continue to be reviewed until the position is filled. For inquiries and questions, please contact us at frusu@ucmerced.edu.

EEO/AA employer.

University of California, Santa Barbara

Assistant Professor - Tenure Track in Computer Engineering

The Electrical and Computer Engineering Department at UCSB invites applications for a tenure-track faculty position the area of Computer Engineering with an effective appointment date of July 1, 2017.

Please visit https://recruit.ap.ucsb.edu/apply/JPF00853.

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

University of Central Arkansas

Assistant/Associate Professor of Computer Science/Engineering (two positions)

The Department of Computer Science at the University of Central Arkansas is seeking exceptional candidates for two tenure-track Assistant/Associate Professor positions, one in Computer Engineering and the other in either Computer Science or Computer Engineering, both beginning in August 2017. Currently, the department has 11 full-time faculty members and offers an ABET accredited BS program in Computer Science and an MS program in Applied Computing.

Each position requires a doctorate degree in Electrical Engineering, Computer Engineering, Computer Science, or a related discipline. For the Computer Engineering position, all areas of Computer Engineering will be considered; whereas for the Computer Science/Engineering position, preference will be given to candidates with expertise in Cybersecurity or Data Mining/Analytics/Science. Duties include teaching

Professional Opportunities

at both the undergraduate and graduate levels, research, and professional service.

Applicants should submit a cover letter, a curriculum vitae, statements of teaching and research, and the names of at least three references via https://jobs.uca.edu (Position numbers 173182 and 173120). Review of applications will begin on January 16, 2017 and will continue until March 31, 2017. For questions, contact the department chair at ecelebi@uca.edu. Additional information about the department is available at https://uca.edu/computerscience. UCA is an EO/AA Employer.

UCA is located in Conway, Arkansas, a thriving city of approximately 60,000 in central Arkansas. Conway is home to several major industries, two private colleges, an excellent public school system, and strong private K12 schools. Residents enjoy easy access to both a large urban center (Little Rock is 30 minutes away via I-40) and pristine wildlife areas such as the Buffalo National River, and the Ozark and Ouachita Mountains.

University of Central Florida

Assistant, Associate, or Full Professor, Genomics and Bioinformatics

The University of Central Florida (UCF) has recently established six interdisciplinary clusters to strengthen its academic and research missions. We are building a new Genomics and Bioinformatics Cluster (GBC) (http://www.ucf.edu/research/genomics), staffing for which should be completed by Fall 2017. As part of the GBC, we are currently seeking to hire four tenure-earning assistant professors; however, exceptionally well-qualified individuals will be considered at the rank of tenured associate or full professor. Candidates must have a strong research publication record and demonstrated independent research, with either existing research funding, or strong potential to initiate and obtain funding for their research program. The GBC emphasizes multi-disciplinary research in genomics that cover at least two disciplines among biology, biomedical sciences, and computer science. In particular, the GBC is looking to expand research programs in genomics that are enabled by next-generation sequencing technologies and that address one or more areas among molecular evolution, biodiversity, microbiome research (environmental and plant/animal health), new biological model systems, cancer genetics, infectious diseases, computational biology, systems biology, machine learning and data mining. Strong candidates in other areas of genomics will also be considered.

The GBC members will be expected to strengthen their individual tenure homes as well as the cluster. A strong advantage of this position is the ability of the candidate to choose a tenure home, with mutual consent, among units involved in the cluster. The list of host departments includes Biomedical Sciences (College of Medicine), Biology (College of Sciences), or Computer Science (College of Engineering and Computer Science). A candidate may also be jointly appointed among these as appropriate to qualifications and interest. All GBC faculty members (and their students) will be housed jointly to facilitate collaboration.

Candidates must have a Ph.D. or M.D./Ph.D. from an accredited institution in an area appropriate to the cluster at the time of appointment. Postdoctoral research training experience is also strongly preferred.

The University of Central Florida is the nation's second-largest university with more than 63,000 students. UCF has grown substantially in size, quality, diversity, and reputation in its first 50 years. Today, the university offers more than 200 degree programs at its main campus in Orlando and more than a dozen satellite locations. UCF is an economic engine, attracting and supporting industries vital to the region's future while providing students with real-world experiences that help them succeed after graduation. For more information, visit http://www.ucf.edu/faculty/.

Candidates must apply online at https://www.jobswithucf.com/postings/47009 and provide the following materials: a cover letter, curriculum vitae, teaching statement, research statement, and contact information for three professional references. In the cover letter, candidates should address their background in genomics and/or bioinformatics and identify the anticipated department(s) for their potential tenure home. In the research statement candidates should include descriptions of their successful interdisciplinary research collaborations and how their current and future research can contribute to the cluster's overall interdisciplinary objectives. Please have all documents ready when applying so they can be attached at that time. Once the online submission process is finalized, the system does not allow applicants to submit additional documents at a later date.

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.

The search committee will begin reviewing applications in November 2016 and continue until the positions are filled.

For more information about these positions, please contact the Cluster Search Chair, Shibu Yooseph, at GenomicsCluster@ucf.edu.

Professional Opportunities

University of Central Florida

Assistant or Associate Professors in Faculty Cluster for Cyber Security and Privacy

The University of Central Florida (UCF) has established a focus area in cyber security and privacy, as one of six interdisciplinary clusters established to strengthen its academic offerings and research mission. In support of this effort, we are recruiting faculty in the broad area of cyber security and privacy. We plan to hire four tenure-track assistant or associate professors for the cyber security and privacy cluster. These positions have a start date of August 8, 2017.

These will be interdisciplinary positions that will be expected to both contribute to the common vision of the cyber security and privacy initiative and also strengthen a chosen tenure home department (or departments, when a joint appointment is preferable). A strong advantage of this position is the ability of the candidate to choose a combination of units from the cluster for their appointment. The cluster includes core members from Computer Science, Electrical and Computer Engineering, Industrial Engineering and Management Systems, the Institute for Simulation & Training, Political Science, Psychology, and Statistics, and affiliated members from several other departments. (See http://www.ucf.edu/research/cyber-security for a complete list of all the units involved.) This cluster will be the focal point of the University's research and educational efforts in cyber security and privacy. Both individual and interdisciplinary infrastructure and startup support will be provided with these new positions.

The ideal junior candidates will have a strong background in cyber security and privacy, and be on an upward leadership trajectory in these areas. They will have research impact, as reflected in high-quality publications and the ability to build a well-funded research program. We are looking for team players who can help bring together current campus efforts in cyber security or privacy. In particular, we are looking for four faculty who work at the intersection of several areas, such as: (a) explaining and predicting human behavior, creating policies, studying ethics, and ensuring privacy, (b) cryptography and theory of security or privacy, (c) hardware and IoT security, or (d) tools, methods, training, and evaluation of human behavior.

Applicants must have a Ph.D., terminal degree, or foreign degree equivalent from an accredited institution in an area appropriate to the cluster, and a record of high impact research related to cyber security and privacy, demonstrated by a strong scholarly and/or funding record. A history of working with teams, especially teams that span multiple disciplines, is a strongly preferred qualification. The positions will each carry a rank commensurate with the candidate's prior experience and record.

Located in Orlando, UCF is one of the nation's most dynamic metropolitan research universities. UCF has the top-tier Carnegie Foundation designation of a "very high research activity" university, is the nation's second-largest university, and is ranked by U.S. News and World Report as among the top up-and-coming universities in terms of innovative changes in the areas of academics, faculty, and student life. UCF's Orlando location also puts it at the center of the Florida 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 conducts over $2 billion in funded research, hosting more than 100 high-technology companies and UCF's 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 was established in 2006. UCF is a neighbor to large corporations, such as Disney, Harris Corporation, Lockheed Martin, Siemens, and many others, all of which have a strong interest in cyber security and privacy. 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 apply online at http://www.jobswithucf.com/postings/47217 and attach the following materials: a cover letter, curriculum vitae, teaching statement, research statement, and contact information for three professional references. In the cover letter candidates must address their background in cyber security and privacy, and identify the department or departments for their potential tenure home and the joint appointments they would desire. When applying, have all documents ready so they can be attached at that time, as the system does not allow resubmittal to update applications.

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.

For more information about these positions please contact the Cluster Search Chair, Gary T. Leavens, at Leavens@ucf.edu.

Professional Opportunities

University of Colorado

Assistant Professor

The Department of Computer Science at the University of Colorado (CU) Boulder seeks applications for multiple tenure-track positions. The openings are targeted at the level of assistant professor, but experienced candidates may be considered for associate or full professor. Research areas of particular interest include, but are not limited to, security, systems, high-performance computing, computational science and engineering, and data-driven approaches to robotics (especially mobile manipulation). Computational biology is also an area of particular interest, and interested applicants should apply to the joint BioFrontiers and Computer Science search (http://biofrontiers.colorado.edu/about/careers/careers). Our department is committed to fostering an inclusive environment, and we seek candidates who understand the benefits of interdisciplinary collaborations with students, faculty and other researchers from across CU. Our department is also responsive to dual career situations.

Successful candidates are those who demonstrate the potential for excellence in both research and teaching, including a commitment to teaching and working with undergraduate and graduate students of varied backgrounds. Candidates must have a Ph.D. in computer science or a related discipline and show promise and interest in developing an independent and internationally recognized research program.

Applications received by December 1, 2016 will be given priority and are accepted electronically at http://www.colorado.edu/cs/faculty-search-2017 with further details.

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

University of Connecticut

Assistant/Associate/Full Professor

The University of Connecticut invites applications for two tenure-track faculty positions in the Computer Science & Engineering Department. Candidates must have an earned Ph.D. in Computer Science, Computer Engineering or a related field by the time of appointment; an established record of research in computing sciences with a specialty in Cryptography, Computer Security, or Security Engineering; demonstrated potential for excellence in teaching; and a commitment to promoting diversity through their academic and research programs. Exceptional senior candidates will be considered for the named Comcast Chair in Cybersecurity.

For full job description please visit our website at http://www.cse.uconn.edu/current-job-listings/.

UConn is an EEO/AA Employer.

University of Illinois at Chicago

Information Retrieval / Natural Language Processing / Theoretical Computer Science Faculty

The Computer Science Department at the University of Illinois at Chicago (UIC) invites applications for multiple full-time tenure-track positions at the rank of Assistant Professor (exceptional senior level candidates will also be considered). All candidates must have a doctorate in Computer Science or a closely related field by the appointment's starting date. Candidates will be expected to conduct world class research and teach effectively at the undergraduate and graduate levels. Senior candidates must have an outstanding research record, a strong record of funded research, demonstrated leadership in collaborative research, and an excellent teaching record at the undergraduate and graduate level.

This search primarily seeks candidates in three research areas. Please clearly indicate for which one of those areas you wish to be considered. Exceptional candidates from other areas may also be considered. The focused research areas of faculty search are:

- **Information Retrieval and Web search.**
- **Natural Language Processing** and computational linguistics.
- **Theoretical Computer Science.**

In addition, we may also have a position in cyber-physical systems.

The Computer Science department has 31 tenure-system faculty and offers BS, MS and PhD degrees. Our faculty includes 11 NSF CAREER award recipients. UIC has an advanced computing and networking infrastructure in place for data-intensive scientific research that is well-connected regionally, nationally and internationally. Further information about the positions can be found at https://www.cs.uic.edu/Main/ShowJob?name=facINT.

Chicago epitomizes the modern, livable, vibrant, and diverse city. Its airports are among the 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/. 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 at search-chair@cs.uic.edu. For fullest consideration, apply by December 1, 2016, but applications will be accepted until the positions are filled. The University of Illinois is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to

Professional Opportunities

apply. The University of Illinois conducts background checks on all job candidates upon acceptance of contingent offer of employment. Background checks will be performed in compliance with the Fair Credit Reporting Act.

University of Illinois at Chicago

Teaching Faculty - Computer Science

The Computer Science Department at the University of Illinois at Chicago is seeking full-time teaching faculty members for fall 2017. Two tracks are available for applicants, clinical track (Clinical Assistant Professor, Clinical Associate Professor and Clinical Professor) for those who have a PhD in Computer Science, and lecturer track (Lecturer and Senior Lecturer) for those who don't. The department is committed to effective teaching. Candidates would be working alongside 7 full-time teaching faculty with over 100 years of combined teaching experience and 11 awards for excellence. The department seeks candidates dedicated to teaching; candidates must have evidence of effective teaching, or present a convincing case of future dedication and success in the art of teaching. Content areas of interest include introductory programming/data structures, theory/algorithms, discrete math, computer organization/systems, databases, software design, and web development. Candidates interested in Computer Science Education research are especially encouraged to apply. The teaching load is 3 undergraduate courses per semester.

The University of Illinois at Chicago (UIC) is one of the top-10 most diverse universities in the US (US News and World Report). UIC's hometown of Chicago epitomizes the modern, livable, vibrant city. Located on the shore of Lake Michigan, Chicago offers an outstanding array of cultural and culinary experiences. As the birthplace of the modern skyscraper, Chicago boasts one of the world's tallest and densest skylines, combined with an 8100-acre park system and extensive public transit and biking networks.

Minimum qualifications include a Master's degree, for Lecturer, or PhD, for Clinical Assistant Professor, in Computer Science or a closely related field, and either (a) demonstrated evidence of effective teaching, or (b) convincing argument of future dedication and success in the art of teaching. Applications are submitted online at https://jobs.uic.edu/. In the online application, include a curriculum vitae, names and addresses of at least three references, a statement providing evidence of effective teaching, and a statement describing your past experience in activities that promote diversity and inclusion (or plans to make future contributions). For additional information contact Professor Mitch Theys, Committee Chair, mtheys@uic.edu.

For fullest consideration, please apply by February 1, 2017. We will continue to accept applications until the position is filled. The University of Illinois is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply. The University of Illinois conducts background checks on all job candidates upon acceptance of contingent offer of employment. Background checks will be performed in compliance with the Fair Credit Reporting Act.

University of Illinois at Urbana-Champaign

College of Engineering: Professor (Open Rank) - Computer Science

The Department of Computer Science at the University of Illinois at Urbana-Champaign invites applications for several faculty positions at all levels and in all areas of Computer Science. Applicants from both traditional as well as non-traditional and interdisciplinary areas of computer science are encouraged to apply.

Applicants are required to have (or expected to receive) a Ph.D. or equivalent degree. Additional qualifications include the ability to teach effectively at both the graduate and undergraduate levels and the potential to initiate and carry out independent research. Appointments with tenure and higher ranks are available for persons with commensurate research and teaching experience.

A full description of this position announcement can be found at http://cs.illinois.edu.

In order to ensure full consideration for Fall 2017, applications must be received by Friday January 6, 2017. 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 who will be contacted to provide letters. For inquiry, please call 217-333-3426 or email HR@cs.illinois.edu.

Illinois is an EEO Employer/Vet/Disabled (www.inclusiveillinois.illinois.edu) and committed to a family-friendly environment (http://provost.illinois.edu/worklife/index.html).

The University of Iowa

Tippie College of Business Management Sciences Department

Full Professor

The Department of Management Sciences is recruiting for a tenure-track position at the rank of full professor in business analytics beginning August 16, 2017. Areas of interest include but are not limited to data-driven research in machine learning, data science, statistics, optimization, and transportation. A Ph.D. in Information Systems, Computer Science, Management Science, Informatics/

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Information Sciences, Statistics, or a related field is required. The successful candidate will be a recognized international leader in business analytics with an exemplary research track record. The chair will be expected to produce research that will have significant influence on their field. The Department of Management Sciences is a leader in business analytics research, and the chair will be expected to initiate new projects and collaborations to add or expand analytics research specializations at the University of Iowa. Candidates should have an established record of high-quality teaching at the undergraduate and graduate level and of mentoring graduate students.

The Department of Management Sciences offers undergraduate and doctoral programs in Business Analytics and Information Systems (BAIS). The Department also offers Graduate Certificate and Masters of Science programs in Business Analytics and a specialization in Analytics in the Fulltime MBA program. Further, extensive collaborative opportunities are available with faculty and doctoral students in other departments and interdisciplinary programs such as the University of Iowa Informatics Initiative and the Applied Mathematics and Computational Sciences program.

Iowa City is great place to live and was ranked #3 best college town in America by the Fiscal Times. It is a lively, cosmopolitan, pedestrian-friendly small town that is bustling with arts, culture, restaurants, music, and Big Ten sports. The Tippie College of Business is consistently ranked among the country's top business programs.

Applicants will be screened on an ongoing basis. To apply, please log on to our website, http://jobs.uiowa.edu/jobSearch/faculty/ and reference Requisition # 69783. Applicants should submit a cover letter, CV, statement of research interests, statement of teaching interests, names for at least three letters of recommendation, and 1-3 research papers online. Salary is competitive and commensurate with qualifications. Screening will begin on December 1, 2016; applications will be considered until the position is filled. Questions should be sent to the chair of the recruiting committee Ann Campbell ann-campbell@uiowa.edu.

The University of Iowa is an equal opportunity/affirmative action employer. All qualified applicants are encouraged to apply and will receive consideration for employment free from discrimination on the basis of race, creed, color, religion, national origin, age, sex, pregnancy, disability, genetic information, status as a U.S. veteran, service in the U.S. military, sexual orientation, gender identity, associational preferences, or any other classification that deprives the person of consideration as an individual. Women and minorities are encouraged to apply for all employment vacancies.

University of Kansas

Asst/Assoc Professor of the Practice - BSIT Program

The BSIT Program at the University of Kansas Edwards Campus (Overland Park, KS) invites applications from qualified professionals in Information Technology and related fields. This position is a full-time, 12- month, non-tenure-track Assistant, Associate or Full Professor of the Practice (open rank). Depending on years of experience in the IT industry, an appointment as assistant, associate, or full Professor of the Practice is possible.

We seek individuals with industry experience in information technology who have exceptional communication skills and a strong commitment to train and develop future information technology professionals. The ideal candidate will have a developed teaching philosophy and a demonstrated desire to inspire students and encourage lifelong learning in information technology. Candidates with seven or more years of practical experience in the Information Technology industry will be considered for an appointment as an assistant, associate, or full Professor of the Practice. Rank will be determined based on years of industry experience.

The University of Kansas is especially interested in hiring faculty members who can contribute to four key campus-wide strategic initiatives: (1) Sustaining the Planet, Powering the World, (2) Promoting Well-Being, Finding Cures; (3) Building Communities, Expanding Opportunities and (4) Harnessing Information, Multiplying Knowledge. For more information see http://www.provost.ku.edu/planning/themes/.

Application review will begin October 3, 2016 and will continue until a qualified applicant pool has been identified. To ensure consideration, apply before that date. The deadline to apply is December 31, 2016. One position is anticipated to begin January 2017 and the second one August 2017.

To apply: https://employment.ku.edu/academic/6950BR.

University of Kentucky

Computer Science/Engineering Faculty (Open Rank Search)

The University of Kentucky Computer Science Department invites applications for multiple tenure-track faculty positions to begin in either January or August of 2017.

We are seeking energetic and creative faculty who have a passion for teaching students and for building a research program centered on advanced computing. We will consider all ranks, with preference for candidates at the assistant professor level. Outstanding candidates at the rank of assistant professor will be considered for an endowed fellowship.

We value collaborative and interdisciplinary research. Our faculty members have established research programs with other

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members of the department and with a wide variety of other departments and programs, including statistics, biology, linguistics, internal medicine, electrical engineering, computer engineering, and the humanities. We favor researchers who are eager to collaborate to solve problems that extend beyond their own research areas.

We seek applications from excellent candidates in all areas, with a particular desire for expertise in computer networking, security and privacy, machine learning, big data and data mining, visualization and computer vision, artificial intelligence, and software engineering. These areas complement the department's Laboratory for Advanced Networking, Software Verification and Validation Lab, and established collaborations with the Center for Computational Sciences and the Center for Biomedical Informatics.

We value teaching and the student experience. Candidates should be eager and prepared to teach upper-level courses in their areas of expertise, as well as (ultimately) core courses in our ABET-accredited undergraduate Computer Science and Computer Engineering programs. The University of Kentucky Computer Science Department, one of the first CS departments in the United States, has 21 faculty members committed to excellence in education, research, and service. The Department offers programs leading to the Bachelors, Masters, and Ph.D. degrees. The University of Kentucky is located in Lexington, the scenic heart of the Bluegrass Region of Kentucky. With recognition as one of the safest, most creative, and well-educated cities in the nation, Lexington is an ideal location to build an outstanding, work-life balanced career.

Candidates must have earned a PhD in Computer Science or closely related field at the time employment begins. To apply, a University of Kentucky Academic Profile must be submitted at http://ukjobs.uky.edu/postings/123838. Applications are now being accepted. Review of credentials will begin immediately and continue until the positions are filled.

For more detailed information about these positions, go to http://ukjobs.uky.edu/postings/123838. Questions should be directed to HR/Employment by phone at 1-859-257-9555 press 2 or email (ukjobs@email.uky.edu), or to Diane Mier (diane@cs.uky.edu) in the Computer Science Department.

Upon offer of employment, successful applicants must undergo a national background check as required by University of Kentucky Human Resources. The University of Kentucky is an equal opportunity employer and especially encourages applications from minorities and women.

University of Maryland, Baltimore County

Assistant Professor, Computer Science

UMBC's Department of Computer Science and Electrical Engineering invites applications for two tenure-track Computer Science Assistant Professor positions to begin in Fall 2017. Exceptionally strong candidates for higher ranks may be considered. Applicants must have or be completing a Ph.D. in a relevant discipline, have demonstrated the ability to pursue a research program, and have a strong commitment to undergraduate and graduate teaching.

All areas of specialization will be considered, but we are especially interested in candidates in the following areas: information assurance and cybersecurity; mobile, wearable and IoT systems; big data with an emphasis on machine learning, analytics, and high-performance computing; knowledge and database systems.

The CSEE department is vibrant, research-oriented and multi-disciplinary with programs in Computer Science, Computer Engineering, Electrical Engineering and Cybersecurity. Our faculty (35 tenure-track, eight teaching and ten research) enjoy collaboration, working across our specializations as well as with colleagues from other STEM, humanities and the arts departments and external partners. We have more than 1500 undergraduate and 600 graduate students in our programs.

UMBC is a dynamic public research university integrating teaching, research and service. The 2016 US News and World Report Best Colleges guide ranked it as one of the five *Most Innovative National Universities* and as one of the top 20 for *Best Undergraduate Teaching*. Our strategic location in the Baltimore-Washington corridor is close to many federal laboratories and agencies and high-tech companies, facilitating interactions, collaboration, and opportunities for sabbaticals and visiting appointments.

Applicants should submit a cover letter, statement of teaching and research experience and interests, CV, and three letters of recommendation at http://apply.interfolio.com/37418. Applications received by January 15, 2017 are assured full consideration. See http://csee.umbc.edu/jobs for more information and send questions to jobsTT@csee.umbc.edu. UMBC is an Affirmative Action/Equal Opportunity Employer.

UMBC

Information Systems (IS) Department

Assistant Professor

The Information Systems (IS) Department at UMBC is committed to increasing the diversity of our community. We invite applications for three tenure-track faculty positions at the Assistant Professor level

Professional Opportunities

starting August 2017. We are searching for two candidates with research interests and experience in Data Science, a research area with high growth and impact in environmental sciences, health care, security, applied statistics and others. The ideal candidate will have expertise in conducting large-scale data science research, such as extracting knowledge from data of increasing sizes, velocity, and variety to improve decision making in one or more application domains closely relevant to active research areas in the IS department. We are also searching for a candidate with research interests and experience in Artificial Intelligence (AI) and/or knowledge management (KM). The ideal candidate should have expertise in conducting AI/KM research to improve decision making in application domains such as social computing, health, business analytics, environmental sustainability, and public welfare. Candidates must have earned a PhD in Information Systems or a related field no later than August 2017.

The research areas in the department are: Artificial Intelligence/Knowledge Management, Databases and Data Mining, Human Centered Computing, Software Engineering, and Health Information Technology. Candidates should be engaged in research that fosters collaboration with at least one of the research areas. Therefore, preference will be given to those who can collaborate with current faculty within and across departments at UMBC, fostering interdisciplinary research. Candidates are expected to establish a collaborative, externally funded and nationally recognized research program as well as contribute to graduate and undergraduate teaching, advising, and mentoring that support diversity and inclusion.

The Department offers undergraduate degrees in Information Systems and Business Technology Administration. Graduate degree programs, MS and PhD, are offered in both Information Systems and Human-Centered Computing, including an innovative online MS program in IS. Consistent with the UMBC vision, the Department has excellent teaching facilities, state-of-the-art laboratories, and outstanding technical support. Further details on our research, academic programs, and faculty can be found at http://www.is.umbc.edu.

UMBC is a dynamic public research university integrating teaching, research and service. As an Honors University, the campus offers academically talented students a strong undergraduate liberal arts foundation that prepares them for graduate and professional study, entry into the workforce, and community service and leadership. UMBC emphasizes science, engineering, information technology, human services and public policy at the graduate level. UMBC contributes to the economic development of the State and the region through entrepreneurial initiatives, workforce training, K-16 partnerships, and technology commercialization in collaboration with public agencies and the corporate community. Diversity is a core value of the UMBC and we believe that the educational environment is enhanced when diverse groups of people with diverse ideas come together to learn. Therefore, members of under-represented groups including women, minorities, veterans and individuals with disabilities are especially encouraged to apply.

UMBC continues to lead U.S. News national university rankings placing fourth in Most Innovative National University and sixth in Undergraduate Teaching. The Chronicle of Higher Education for the fifth consecutive year has listed UMBC in the "honor roll" of "Great Colleges to Work For"; it is the only Maryland four-year institution to be recognized. Our strategic location in the Baltimore-Washington corridor puts us close to many important federal laboratories, agencies and high-tech companies. UMBC's campus is located on 500 acres just off I-95 between Baltimore and Washington DC, and less than 10 minutes from the BWI airport and Amtrak station. The campus includes a center for entrepreneurship, and the bwtech@UMBC research and technology park, which has special programs for startups focused on cybersecurity, clean energy, life sciences and training. We are surrounded by one of the greatest concentrations of commercial, cultural and scientific activity in the nation. Located at the head of the Chesapeake Bay, Baltimore has all the advantages of modern, urban living, including professional sports, major art galleries, theaters and a symphony orchestra. The city's famous Inner Harbor area is an exciting center for entertainment and commerce. The nation's capital, Washington, DC, is a great tourist attraction with its historical monuments and museums. Just ten minutes from downtown Baltimore and 30 from the D.C. Beltway, UMBC offers easy access to the region's resources by car or public transportation.

Electronic submission of application is required at http://apply.interfolio.com/37306 for the two positions in Data Science/Big Data and all Artificial Intelligence/Knowledge Management applicants should apply at http://apply.interfolio.com/37179. All applications for all three positions must be submitted as PDF files, which include a cover letter, CV, a one-page statement of teaching interests, a one-page statement of research interests and names and contact information of at least three references. For inquiries, please contact Barbara Morris at (410) 455-3795 or bmorris@umbc.edu. Review of applications will begin in November 2016 and will continue until the positions are filled, subject to the availability of funds.

UMBC is an Affirmative Action/Equal Opportunity Employer and is committed to increasing the diversity of its

Professional Opportunities

faculty. Applicants from traditionally underrepresented groups are especially encouraged to apply.

University of Massachusetts

Assistant/Associate Professor-Mobile Health

The College of Information and Computer Sciences (CICS) together with the Institute for Applied Life Sciences (IALS) at the University of Massachusetts Amherst (UMass) invite applications for multiple tenure-track faculty positions at the Assistant or Associate Professor level in the area of ubiquitous computing, wireless networking, mobile and sensor computing, embedded systems, human-computer interaction, and physical computing with emphasis on technologies with applications to health and wellbeing.

STARTING DATE: September 1, 2017

Applicants must have a Ph.D. in Computer Science, Electrical Engineering or a related area and should show evidence of exceptional research promise. The successful candidate is expected to collaborate with the Institute of Applied Life Sciences (IALS), and develop novel, practical solutions for pervasive health monitoring. Candidates with an interest in working with industry or technology transfer aspects of their work are encouraged to apply.

The candidate is expected to teach both undergraduate and graduate courses, supervise graduate students and postdoctoral fellows, contribute significantly to the advancement of basic science and engineering, as evidenced by scholarly publications, develop a nationally recognized program of sponsored research, and have an understanding of diversity issues and their educational importance. The new hire is also expected to collaborate with IALS faculty to enable new mobile health sensing technologies, interact with industry, and provide training for the next generation of computer scientists in healthcare. IALS and the UMass Amherst campus are committed to the development of translational and basic research programs while fostering interactions with industry. The new hire will also be able to take full advantage of the new IALS investments in enhanced campus infrastructure and core facilities (see http://www.umass.edu/ials/core-facilities for more details).

UMass Computer Science is highly supportive of junior faculty, providing both formal and informal mentoring. Many of our faculty are involved in interdisciplinary research, and work closely with other departments including electrical and industrial engineering, statistics/mathematics, biology, physics, behavioral sciences, economics, political science, linguistics, 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 five colleges. For more information, visit https://cics.umass.edu.

The University of Massachusetts Amherst (http://www.umass.edu), the flagship campus of the University of Massachusetts system, is a nationally ranked public research university and home to over 22,000 undergraduate and 6,000 graduate students. The 1,430 acre campus is located in the scenic Pioneer Valley of western Massachusetts, 90 miles from Boston and 175 miles from New York City. UMass Amherst, along with Amherst, Hampshire, Mount Holyoke and Smith Colleges, is a member of the Five College Consortium and the Academic Career network. The region boasts a rural setting with easy access to Boston, Hartford, and New York City.

Review of applications will begin December 1, 2016 and may continue until a suitable candidate pool has been identified. Applicants should submit a cover letter, a curriculum vitae, research statement, statement of teaching interests, and the names and contact information for three references, using the submission link specific to the position.

These materials should be submitted to: http://umass.interviewexchange.com/candapply.jsp?JOBID=77471

For questions about the position, email 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.

UMASS Amherst

Director of Strategic Programs-Center for Data Science

The College of Information and Computer Sciences at UMass Amherst is looking for a Director of Strategic Programs for the Center for Data Science.

For a complete position announcement including minimum qualifications and application instructions, please see http://umass.interviewexchange.com/jobofferdetails.jsp?JOBID=76780.

Professional Opportunities

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

Lecturer Positions

The College of Information and Computer Sciences at the University of Massachusetts Amherst invites applications for nine-month, non-tenure-track faculty positions at the rank of Lecturer beginning in the 2017-2018 academic year.

One general full-time Lecturer position is available to teach a variety of courses for majors and non-majors. One part-time position is also available to teach junior year writing. Primary responsibilities for the full-time position include teaching up to six courses per year (or equivalent based on other duties and activities) at both the undergraduate and MS level, curriculum development, and undergraduate advising, as well as additional administrative and scholarly duties as determined by the Chair of the Faculty. Primary responsibilities for the part-time position include teaching two sections per semester of junior year writing, a graduation requirement for all majors. The appointment period for both positions is 9 months per year, and opportunities for teaching additional summer courses may be available for additional compensation. Although not tenure track, it is expected that the person holding each position will remain with the college long term and each initial appointment will be for at least one year. These positions do not have research-related duties.

The College of Information and Computer Sciences is a stimulating, diverse environment conducive to professional growth in both teaching and research. Lecturers are an essential part of our faculty and participate in faculty meetings and many college decisions. Amherst, a historic New England town, is the center of a vibrant and culturally rich area that includes five colleges. For more information about the college, visit https://cics.umass.edu.

Applicants for the FT lecturer position must hold the equivalent of a Master's degree in Computer Science, Computer Engineering or a closely related field, with a Ph.D. strongly preferred. FT applicants must also 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. Applicants for the PT lecturer position must hold the equivalent of a Master's degree in a relevant field, with a Ph.D. strongly preferred. It is preferred that PT lecturer candidates have experience teaching writing to computer science students.

Interested candidates should apply online at

Full-time Lecturer
http://umass.interviewexchange.com/jobofferdetails.jsp?JOBID=76585

Part-time Lecturer
http://umass.interviewexchange.com/jobofferdetails.jsp?JOBID=76591

Please submit a cover letter, curriculum vitae, description of teaching experience, and the names and contact information for three references. Review of applications will begin on November 15, 2016 and may continue until a suitable candidate pool has been identified.

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 Miami

Faculty Position

The Department of Computer Science at the University of Miami invites applications for two Assistant Professor faculty positions starting August 2017. Candidates must possess a Ph.D. in Computer Science or a closely related discipline. The first position requires research expertise in Complex Systems, including (but not limited to) biological and social systems. The hire will be a member of the College of Arts and Sciences' Complexity Group. The second position requires research expertise in computational neuroscience or computational cognitive science, related to the study of Neurodevelopmental Disorders. The hire will have opportunities to collaborate with researchers in the Department of Psychology, the Department of Biology, the College of Arts and Sciences' Complexity Group and Brain Initiative, and the Medical school.

The hire will be expected to teach at both undergraduate and graduate levels, and to develop and maintain internationally recognized research programs. The department encourages innovative interdisciplinary work with other units in the university.

Professional Opportunities

Applicants should submit a cover letter, CV, research plan, statement of teaching philosophy, sample preprints or reprints, any teaching evaluations from the last two years, and the names of at least three references online at http://www.cs.miami.edu/search/. Review of applications will begin on the 15th October 2016, and will continue until the position is filled.

The University of Miami offers competitive salaries and a comprehensive benefits package. The University of Miami is an Equal Opportunity Employer - Females/Minorities/Protected Veterans/Individuals with Disabilities are encouraged to apply. Applicants and employees are protected from discrimination based on certain categories protected by Federal law.

University of Michigan

Chair, Computer Science and Engineering Division

The Division of Computer Science and Engineering (CSE) at the University of Michigan is seeking applicants and nominations for the position of Division Chair. The Division currently has 57 tenure/tenure-track faculty, 2 research faculty, and 14 lecturers with approximately 1400 undergraduate and 340 graduate students. Graduate education leading to MS/MSE and PhD degrees is conducted in a wide variety of topic areas, including Artificial Intelligence, Chip Design, Architecture, and Emerging Devices, Computer Architecture, Computer-Aided Design and VLSI, Databases and Data Mining, Embedded and Mobile Systems, Human-Computer Interaction, Languages, Compilers, and Runtime Systems, Networking, Operating Systems, and Distributed Systems, Robotics, Secure, Trustworthy, and Reliable Systems, Software Systems, Theory of Computation, Warehouse-Scale and Parallel Systems.

Qualified candidates should possess outstanding leadership and administrative capabilities, an exemplary record in research and teaching, and an earned doctorate in the computing field. Ideal candidates will demonstrate innovation with a thorough understanding of the present status of the profession and a clear vision of the future needs of Computer Science and Engineering. Candidates should have strong abilities in promoting sponsored research programs, leading development activities, and interacting with government, industry, and professional societies. Qualified candidates should also demonstrate an interest in leading and supporting the faculty to ensure that learning of the highest quality flourishes at all levels, from undergraduate education to graduate research. Candidates should embrace diversity and have a record of community building. Finally, recommended candidates should be able to work with a diverse group of faculty, staff, students, and administrators to achieve common goals and to maintain rapport with alumni and campus representatives.

Applicants should electronically submit a detailed curriculum vitae and a two-page synopsis of their views on the current challenges and opportunities facing Computer Science and Engineering education and research to:

Prof. Karem Sakallah, Chair, CSE Chair Search Committee, at karem@umich.edu. Inquiries and nominations may also be directed to Prof. Sakallah at the same email address or by phone at 734-936-1350.

The search will be conducted in confidence until finalists are invited for campus visits at which time professional references will be contacted.

The University of Michigan is a non-discriminatory/affirmative action employer. Underrepresented minorities and women are strongly encouraged to apply. The College of 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.

The position will remain open until a suitable candidate has been found.

University of Michigan

Computer Science and Engineering Faculty Positions

The University of Michigan Computer Science and Engineering (CSE) Division expects strong growth in the coming years and invites applications for multiple tenure-track positions at all levels. Exceptional candidates from all areas of computer science and computer engineering will be considered. Qualifications include an outstanding academic record, a doctorate or equivalent in computer science or computer engineering, and a strong commitment to teaching and research. The college is especially interested in candidates who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community. These positions encompass, but are not limited to, several cross-disciplinary areas as well as an endowed professorship in theoretical computer science (Fischer Chair).

The University of Michigan is one of world's leading research universities with annual research funding of well over $1 billion. It consists of highly-ranked departments across engineering, sciences, business, and arts, as well as a leading medical school, providing significant opportunities for research collaborations for Computer Science faculty. The CSE Division continues to lead as a vibrant and innovative force, with over 50 world-class faculty members, over 300 graduate students,

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several Research Centers, and a large and illustrious network of alumni. Ann Arbor is known to be one of the best college towns in the country.

We encourage candidates to apply as soon as possible. For best consideration for Fall 2017, please apply by December 1, 2016. Positions remain open until filled and applications can be submitted throughout the year.

For more details on these positions and to apply, please visit the Application Web Page.

The University of Michigan is a Non-Discriminatory/Affirmative Action Employer with an Active Dual-Career Assistance Program.

University of Michigan-Dearborn

Chair and Professor of Computer and Information Science

The Department of Computer and Information Science (CIS) at the University of Michigan-Dearborn College of Engineering and Computer Science invites applications for the position of Chair at the rank of Professor, starting September 1, 2017. The successful candidate must possess a distinguished record in research, teaching, and administrative experience and will assume leadership for developing academic, research, and outreach initiatives.

The Department offers ABET-accredited BS degrees in Computer and Information Science, Software Engineering, Digital Forensics, and Data Science as well as MS degrees in Computer and Information Science, Software Engineering, and Information Systems & Technology. The Department also participates in an interdisciplinary Ph.D. program in Information Systems Engineering. A departmental Ph.D. in Computer and Information Science is expected to begin in Fall 2017. Enrollment in the department is 494 undergraduate and 186 graduate students. The Department currently has 15 tenured or tenure-track faculty members. Faculty research strengths include networking, security, data management, data science, and software engineering.

Qualifications:
Applicants must have an earned doctorate in Computer Science or a closely related discipline with a strong record in research, teaching, and academic visibility consistent with appointment as professor with tenure at the University of Michigan-Dearborn. We seek candidates with demonstrated ability in obtaining funded research, developing innovative curriculum, and possessing excellent collaborative, communication and administrative skills. The successful candidate must continue the department trend of improved research and teaching in recent years, and be an advocate for students, faculty, and staff, and for the department, college, and campus visions.

Applications:
Interested applicants are invited to submit a complete academic vita, a list of five references, a statement of priorities as a Department Chair, and statement of leadership philosophy to:

CISChairSearchDearborn@umich.edu

CIS Chair Search Committee
Department of Computer and Information Science
University of Michigan - Dearborn
4901 Evergreen Rd
Dearborn, MI 48128-2407

Applications will be reviewed continuously until the position is filled with the highest priority given to those received by January 15, 2017. Applications will remain confidential until on-campus interviews. Electronic submission is preferred.

Currently this classification is considered exempt in compliance with the Fair Labor Standards Act (FLSA).

The University of Michigan-Dearborn, as an equal opportunity/affirmative action employer, complies with all applicable federal and state laws regarding nondiscrimination and affirmative action. The University of Michigan is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, national origin, age, marital status, sex, sexual orientation, gender identity, gender expression, disability, religion, height, weight, or veteran status in employment, educational programs and activities, and admissions. Inquiries or complaints may be addressed Office of Institutional Equity, 4901 Evergreen Road, Suite 1020, Administrative Services Building, Dearborn, Michigan 48128-1491, (313) 593-5190. For other University of Michigan information call 734-764-1817.

Background Screening

The University of Michigan conducts background checks on all job candidates upon acceptance of a contingent offer and may use a third party administrator to conduct background checks. Background checks will be performed in compliance with the Fair Credit Reporting Act.

University of Minnesota-Twin Cities

Tenure-Track Faculty Positions

The Department of Computer Science and Engineering at the University of Minnesota-Twin Cities is hiring to fill one or more tenure-track positions at the assistant professor level, although higher levels of appointment may be considered when commensurate with experience. Candidates with expertise in any area of computer science and engineering will be considered, and those with research interests in social computing, human-computer interaction, and security are particularly encouraged to apply.

Professional Opportunities

The Department of Computer Science and Engineering is fully committed to a culturally and academically diverse faculty; we welcome applications from individuals who will further expand that diversity. Candidates should have a Ph.D. in Computer Science or a closely related discipline at the time of appointment. Submit materials as described at https://www.cs.umn.edu/resources/employment/faculty/.

Consideration of complete applications will begin December 1, 2016, and continue until all positions are filled. The University of Minnesota is an equal opportunity employer and educator.

University of Missouri Columbia

Teaching Faculty

The IT program in the College of Engineering at the University of Missouri-Columbia seeks teaching faculty in 3 areas: Media Technology, Web App Software Engineering, and System Engineering & Networks. Salary range: $60-80K. Start: January 1.

Job post at http://tinyurl.com/teachitmu (Search: Computer Science) Job ID: 20827, phone: 573-882-4256.

Apply Here

The University of Nebraska-Lincoln

Tenure-track Assistant Professor Position

This is a multidisciplinary search in the field of data analytics and modeling with applications to National Security and is open to promising candidates regardless of discipline. Areas of interest include, but are not limited to, data mining, pattern recognition, machine learning, algorithms, text analysis, social media intelligence, and social network analysis, all with an emphasis on Big Data.

Applicants should have exceptional potential or a demonstrated record for outstanding research and effective teaching at undergraduate through graduate levels, including advising of Masters and PhD students. Candidates must hold US citizenship and a PhD in a field at the nexus of data analytics and national security such as computer science, mathematics, political science, or sociology. Applicants should have deep research interests in national security, have excellent communication skills, and desire to work in a collaborative cross-disciplinary environment. Candidates with demonstrated cross-disciplinary research experience and/or existing connections with the national security enterprise are particularly encouraged. Thetenure home of the successful candidate will be in the discipline of expertise.

UNLis Nebraska's land-grant research university, is a member of the Big Ten Academic Alliance, and ranks among Doctoral Universities with the Highest Research Activity [CarnegieCIHE].UNLis expanding its national security research and instruction via its extensive collaborations with the nearby US Strategic Command (USSTRATCOM) and Nebraska University's National Strategic Research Institute, one ofDoD's University Affiliated Research Centers (UARC). Lincoln is consistently ranked among the Nation's top cities for livability and quality of life.

To apply, complete the Faculty/Administration application (Req.#F_160212) athttp://employment.unl.eduand attach 1) a single-page cover letter explaining your interest in the position, 2) a curriculum vitae, 3) teaching and research statements, 4) 1-2 papers that bestrepresent research and scholarship, and 5) a list of at least three references.

Review of applications will begin on Nov 15th, 2016 and will continue until the position has been filled.

More information can also be viewed at: http://cse.unl.edu/facultysearch.

The University of Nebraska-Lincoln is committed to a pluralistic campus community through affirmative action, equal opportunity, work-life balance, and dual careers. See http://www.unl.edu/equity/notice-nondiscrimination.

University of Nebraska-Lincoln

Assistant Professor

The University of Nebraska-Lincoln (UNL) seeks a tenure-track Assistant Professor in the field of data analytics and modeling for national security. Promising candidates with interests in, but not limited to, data mining, pattern recognition, machine learning, algorithms, text analysis, social media intelligence, and social network analysis are encouraged regardless of discipline.

Applicants should have exceptional potential or a demonstrated record for outstanding research and effective teaching at undergraduate through graduate levels, including advising of Masters and PhD students. Candidates must hold US citizenship and a PhD in a field at the nexus of data analytics and national security such as computer science, mathematics, political science, or sociology.

Applicants should have deep research interests in national security, have excellent communication skills, and desire to work in a collaborative cross-disciplinary environment. Candidates with demonstrated cross-disciplinary research experience and/or existing connections with the national security enterprise are particularly encouraged.

To view the official advertisement with instructions to apply, visit cse.unl.edu/facultysearch. Review of applications will begin on Nov 15, 2016.

UNL is committed to a pluralistic campus community through affirmative action, equal

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opportunity, work-life balance, and dual careers: See http://www.unl.edu/equity/notice-nondiscrimination.

University of Nebraska – Lincoln

Assistant Professor

The Department of Computer Science and Engineering at the University of Nebraska – Lincoln invites applications for a tenure-track faculty position at the rank of Assistant Professor to begin in August 2017.

We are seeking faculty members who can establish a strong scholarly research and teaching program in the area of software engineering. While all areas of software engineering are of interest, applicants whose research connects human centered computing, usability or human computer interaction with software engineering or programming languages are particularly welcome.

Applicants should have a demonstrated potential for outstanding research and a promise of effective teaching at the undergraduate through graduate levels including the advising of M.S. and Ph.D. students. Candidates will hold a Ph.D. in Computer Science, Computer Engineering, or a closely related discipline. Applicants should have excellent communication skills and a strong desire to work in a diverse and collaborative environment.

To apply go to http://employment.unl.edu and complete the Faculty/Administration application for requisition F_160194 and attach 1) a single-page cover letter explaining your interest in the University of Nebraska – Lincoln, 2) a curriculum vitae, 3) teaching and research statements, 4) 1-2 papers that best represent research contributions and scholarship, and 5) a list of at least three references.

Review of applications will begin on November 15, 2016, and will continue until the positions have been filled. The positions are contingent on the availability of funds.

More information can also be viewed at: http://cse.unl.edu/facultysearch. The University of Nebraska- Lincoln is committed to a pluralistic campus community through affirmative action, equal opportunity, work-life balance, and dual careers. See http://www.unl.edu/equity/notice-nondiscrimination.

The University of Nebraska-Lincoln

Tenure-track Assistant Professor Position

This is a multidisciplinary search in the field of data analytics and modeling with applications to National Security and is open to promising candidates regardless of discipline. Areas of interest include, but are not limited to, data mining, pattern recognition, machine learning, algorithms, text analysis, social media intelligence, and social network analysis, all with an emphasis on Big Data.

Applicants should have exceptional potential or a demonstrated record for outstanding research and effective teaching at undergraduate through graduate levels, including advising of Masters and PhD students. Candidates must hold US citizenship and a PhD in a field at the nexus of data analytics and national security such as computer science, mathematics, political science, or sociology. Applicants should have deep research interests in national security, have excellent communication skills, and desire to work in a collaborative cross-disciplinary environment. Candidates with demonstrated cross-disciplinary research experience and/or existing connections with the national security enterprise are particularly encouraged. The tenure home of the successful candidate will be in the discipline of expertise.

UNL is Nebraska's land-grant research university, is a member of the Big Ten Academic Alliance, and ranks among Doctoral Universities with the Highest Research Activity [Carnegie CIHE].UNL is expanding its national security research and instruction via its extensive collaborations with the nearby US Strategic Command (USSTRATCOM) and Nebraska University's National Strategic Research Institute, one of DoD's University Affiliated Research Centers (UARC). Lincoln is consistently ranked among the Nation's top cities for livability and quality of life.

To apply, complete the Faculty/Administration application (Req.#F_160212) at http://employment.unl.edu and attach 1) a single-page cover letter explaining your interest in the position, 2) a curriculum vitae, 3) teaching and research statements, 4) 1-2 papers that best represent research and scholarship, and 5) a list of at least three references.

Review of applications will begin on Nov 15th, 2016 and will continue until the position has been filled.

More information can also be viewed at: http://cse.unl.edu/facultysearch.

The University of Nebraska-Lincoln is committed to a pluralistic campus community through affirmative action, equal opportunity, work-life balance, and dual careers. See http://www.unl.edu/equity/notice-nondiscrimination.

University of Nebraska at Omaha

Cybersecurity Assistant/Associate Professor Position in School of Interdisciplinary Informatics

College of Information Science & Technology

The School of Interdisciplinary Informatics in the College of Information Science and Technology invites applicants for a tenure-track position in Cybersecurity at

Professional Opportunities

assistant or associate ranks, starting in 2017. A Ph.D. in Information Assurance or a similar field with a Cyber Security research area is required. Essential duties include pursuing an independent research career and leading and coordinating research projects, teach courses which fulfill curriculum goals and objectives, supervise graduate students at the master and doctoral level, and obtain external funding. Demonstrated potential for research/funding with agencies such as DoD, DoJ, DHS, FBI, NSA is desirable. The School is particularly interested in candidates with experience in Computer and Network Forensics related areas.

The University and department have a strong commitment to achieving diversity among faculty and staff. To apply for this position go to http://www.unomaha.edu/human-resources/index.php. A cover letter, and curriculum vita (including teaching statement, research statement, and a list of three references) must be attached to the electronic application. For more information, contact Dr. Robin Gandhi, rgandhi@unomaha.edu or (402) 554-3363.

University of Nevada, Reno

Three Tenure-Track Assistant Professor positions and One Lecturer position

The Department of Computer Science and Engineering at the University of Nevada, Reno, invites applications for three tenure-track faculty positions and one Lecturer position. Three of the positions are at the Assistant Professor level with expertise in the areas of (i) high performance computing, (ii) cybersecurity, and (iii) data science and engineering with emphasis on bioinformatics. The fourth position is at the Lecturer level.

Applicants for the Tenure Track Faculty positions must have a Ph.D. in Computer Science or Computer Engineering by July 1, 2017 and must be strongly committed to excellence in research and teaching and should demonstrate potential for developing robust externally funded research programs. Candidates for the Lecturer position, must be strongly committed to excellence in teaching and must have a M.S. or Ph.D. in Computer Science or Computer Engineering by July 1, 2017.

In the last five years, the College of Engineering has witnessed an unprecedented growth in student enrollment and number of faculty positions. The College is positioned to further enhance its growth of its students, faculty, staff, facilities as well as its research productivity and its graduate and undergraduate programs.

The University of Nevada, Reno recognizes that diversity promotes excellence in education and research. We are an inclusive and engaged community and recognize the added value that students, faculty, and staff from different backgrounds bring to the educational experience.

Interested candidates must apply online. For the high performance computing position, apply to www.unrsearch.com/postings/22243.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
College of Engineering

UNT

Assistant/Associate Professor

The University of North Texas (UNT), a Tier 1 Research Institution (Carnegie Classification as a Doctoral University: Highest Research Activity), invites applications for the following faculty positions in the Department of Computer Science and Engineering (CSE).

Tenured or Tenure Track Positions:
Position 1: Assistant or Associate Professor in **Computer Security**, including cryptography, cloud and network security, mobile security, intrusion detection, secure hardware and software systems, and vulnerability and threat analysis. This position is affiliated with the Center for Information and Computer Security (CICS).

Position 2: Assistant or Associate Professor in **Computational Life Science**, including computational epidemiology, computational health science, smart and connected health, geo-informatics, bioinformatics, health-informatics, and computational environmental science, with focus on developing computational methods, models, or simulations. This position is affiliated with the Center for Computational Epidemiology and Response Analysis (CeCERA).

Position 3: Assistant or Associate Professor in **Computer Engineering**, including real-time systems, embedded systems, cyber physical systems, memory and storage systems, computer architecture, VLSI, reconfigurable systems, resilient systems, low-power computing, runtime systems, distributed systems, and performance measurement and tuning. This position may be affiliated with the NSF Industry/University Cooperative Research Center for Net-centric and Cloud Software and Systems (NCSS).

The candidates are expected to teach CSE undergraduate and graduate courses, develop a strong research program funded by external sources, support and mentor graduate students, and provide service to the University and the profession. Minimum qualifications include an earned doctorate in computer science, computer engineering or a closely related field. For the Assistant Professor position, a strong publication record and the potential to succeed in securing research funding and mentoring graduate students are required. For the Associate Professor position, a sustained record of providing mentoring to junior faculty, advising graduate students, providing service to the University and profession, and securing external funding for research activities are also required. Post-doctoral research experience or industrial research experience is preferred. Offers of employment for these positions will be made dependent upon available funding.

The Computer Science and Engineering department is home to 14 Professors, 9 Associate Professors, 4 Assistant Professors, 6 Lecturers, almost 100 Ph.D. students, over 200 master students, and almost 1100 bachelor students. We offer a Ph.D. degree in Computer Science and Engineering, M. S. degrees in Computer Science and Computer Engineering, ABET-accredited B. S. degrees in Computer Science and Computer Engineering, and an ABET-accredited B. A. degree in Information Technology. Additional information about the department is available at the website: computerscience.engineering.unt.edu.

Application Procedure:
All applicants must apply online to: https://facultyjobs.unt.edu. Submit nominations and questions regarding the tenure track position in computer security (system identification number 6001336) to Dr. Ram Dantu (Ram.Dantu@unt.edu), the tenure track position in computational life science (system identification number 6001335) to Dr. Armin Mikler (mikler@unt.edu), and the tenure track position in computer engineering (system identification number 6001342) to Dr. Song Fu (Song.Fu@unt.edu).

Application Deadline:
The committee will begin its review of applications on November 1, 2016 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 38,000 students while powering the North Texas region, state and nation through innovative education and research. UNT is strategically located in Denton, Texas, a vibrant city with a lively arts and music culture.

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

Professional Opportunities

For the cybersecurity position, apply to www.unrsearch.com/postings/22183
For the data science and engineering position, apply to www.unrsearch.com/postings/22239.

For the lecturer position, apply to www.unsearchable.com/postings/22187.

Application process includes: a detailed letter of application which also indicates how you would contribute to the diversity and excellence of the academic community through your research, curriculum vitae, statement of teaching philosophy, statement of research and plans, (research and plans does not apply the lecturer position) and contact information for three professional references. Review of applications will begin on January 5, 2017 and will continue until the search closes on February 15, 2017. Inquiries should be directed to Ms. Lisa Cody, lacody@unr.edu.

The University of Nevada serves over 21,000 students. The university is ranked as a Tier 1 institution by "U.S. News and World Report" and offers an array of degree programs at all levels. Reno is located in the foothills of the Sierra Nevada, a 30-minute drive from Lake Tahoe. Reno/Tahoe is recognized as a world-class outdoor recreation area. Additional nearby areas of interest include the Black Rock Desert, Sacramento, Yosemite National

The UNIVERSITY of OKLAHOMA
Gallogly College of Engineering
School of Computer Science

Tenure Track Faculty Position in Cybersecurity

The School of Computer Science in the Gallogly College of Engineering at the University of Oklahoma is entering an exciting period of growth opportunities in cybersecurity and data science and analytics (DSA). We are seeking applications for a tenure track faculty position at the rank of an assistant professor who has demonstrated research skills in cybersecurity, especially at the intersection of cybersecurity and DSA. The new online graduate program in DSA is an innovative collaboration with the School of Industrial and Systems Engineering, and has experienced significant enrollment growth during the startup phase. We offer B.S., M.S., and Ph.D. degree programs in computer science and the M.S. degree in DSA.

Applicants should hold a Ph.D. in computer science and should be committed to excellence in teaching and research. Candidates should have demonstrated potential for outstanding research in cybersecurity and have ability to teach courses in these areas at all levels, including advising M.S and Ph.D. students.

The application package should include: 1) single page cover letter describing the motivation in pursuing this position, 2) curriculum vitae, 3) teaching and research statements, 4) 1-2 papers that best represent research contributions and scholarship, and 5) list of at least three references. Application packages should be submitted via soonerway.ou.edu. Inquiries about the position can be addressed to Professor Sridhar Radhakrishnan, chair of the search committee, at sridhar@ou.edu. We encourage applicants to apply by November 1, 2016, though application packages will be accepted until the position is filled.

The University of Oklahoma is a Carnegie-R1 comprehensive public research university known for excellence in teaching, research, and community engagement, serving the educational, cultural, economic and health-care needs of the state, region, and nation from three campuses: the main campus in Norman, the Health Sciences Center in Oklahoma City, and the Schusterman Center in Tulsa. OU enrolls over 30,000 students and has more than 2,700 full-time faculty members. Norman is a culturally rich and vibrant town located in the Oklahoma City metro area. With outstanding schools, amenities, and a low cost of living, Norman is a perennial contender on the "Best Places to Live" rankings. Visit soonerway.ou.edu for more information.

The University of Oklahoma, in compliance with all applicable federal and state laws and regulations does not discriminate on the basis of race, color, national origin, sex, sexual orientation, genetic information, gender identity, gender expression, age, religion, disability, political beliefs, or status as a veteran in any of its policies, practices, or procedures. The University of Oklahoma, recognizing its obligation to guarantee equal opportunity to all persons in all segments of University life, reaffirms its commitment to the continuation and expansion of positive programs which reinforce and strengthen its affirmative action policies. This commitment stems not only from compliance with federal and state equal opportunity laws but from a desire to ensure social justice and promote campus diversity. Our commitment to the concept of affirmative action requires sincere and cooperative efforts throughout all levels of our employment structure. We will continue to strive to reach the goals of fair and equal employment opportunities for all.

Professional Opportunities

Park, Napa/Sonoma, the San Francisco Bay Area.

EEO/AA Women and under-represented groups, individuals with disabilities, and veterans are encouraged to apply.

University of North Dakota

Assistant/Associate Professor

The Department of Computer Science at the University of North Dakota is recruiting for a tenure-track, nine-month position at the Assistant or Associate Professor level with an anticipated start date of August 16, 2017. The position requires a Ph.D. in Computer Science or a related field. The department is seeking outstanding candidates with a research focus in the following areas (but not limited to): (a) theoretical foundations of computer science and (b) cybersecurity.

Please direct your attention to https://und.edu/finance-operations/human-resources-payroll/careers/secure/job-openings-external.cfm?category=2000+Academic.

University of Northern Colorado

Assistant Professor of Computer Science

Assistant Professor, tenure track, nine month appointment, in the School of Mathematical Sciences at the University of Northern Colorado. Primary responsibilities include teaching courses in undergraduate computer science; maintaining an active research program in computer science; and providing service to the school, university and community. Duties will include providing leadership in the University's programs in computer science, including the software engineering program offered jointly by the School of Mathematical Sciences and the Monfort College of Business.

For application details visit https://careers.unco.edu/postings/1231.

University of Pennsylvania

CIS Tenure-Track Positions

The School of Engineering and Applied Science at the University of Pennsylvania is growing its faculty by 33% over the next five years. As part of this initiative, the Department of Computer and Information Science is engaged in an aggressive, multi-year hiring effort for multiple tenure-track positions at the Assistant, Associate, and Full Professor levels, with an emphasis on junior appointments. Applicants must have a Ph.D. in Computer Science. Special preference will be given to candidates in areas of immediate need for the department including Machine Learning and Data Science, Computer Graphics, and Computer Systems and Architecture. Applications are encouraged from individuals working on high-impact areas such as autonomy, cybersecurity, embedded systems, or the interface with medicine, biology, and energy and environmental science.

We are especially interested in candidates whose interests are aligned with the school's strategic plan: www.seas.upenn.edu/PennEngineering2020.

The department seeks individuals with exceptional research achievement and potential, who will excel in teaching undergraduate and graduate courses and take a position of international leadership in defining their field of study. Leadership in cross-disciplinary collaborations is of particular interest. Successful applicants will find Penn to be a stimulating environment conducive to professional growth. We seek individuals who embrace and reflect diversity in the broadest sense. To ensure full consideration, applicants are encouraged to apply by November 30th, 2016. However, applications will be accepted until positions are filled.

Learn more here: http://www.cis.upenn.edu/faculty-staff/index.php

The University of Pennsylvania values diversity and seeks talented students, faculty and staff from diverse backgrounds. The University of Pennsylvania does not discriminate on the basis of race, color, sex, sexual orientation, gender identity, religion, creed, national or ethnic origin, citizenship status, age, disability, veteran status or any other legally protected class status in the administration of its admissions, financial aid, educational or athletic programs, or other University-administered programs or in its employment practices. Questions or complaints regarding this policy should be directed to the Executive Director of the Office of Affirmative Action and Equal Opportunity Programs, Sansom Place East, 3600 Chestnut Street, Suite 228, Philadelphia, PA 19104-6106; or (215) 898-6993 (Voice) or (215) 898-7803 (TDD).

University of Pennsylvania

Multiple Lecturer Positions

The University of Pennsylvania's Department of Electrical and Systems Engineering invites applicants for two full-time Lecturer positions. The department seeks individuals with exceptional promise for, or a proven record of, excellence in teaching, course and curriculum innovation. Applicants should have a Ph.D. degree in Electrical or Systems Engineering or related field. We are particularly interested in candidates that enhance our educational curricula in the broad areas of:

1. Computer engineering & embedded systems (embedded programming, distributed systems, hardware/software co-design, model-based design, internet of things), and
2. Information & systems engineering (control systems, optimization, robotics, signal processing, stochastic systems, model-based systems engineering, systems engineering projects).

Professional Opportunities

The department is strongly interested in individuals that will balance principles-based lectures with hands-on projects addressing emerging application domains (such as energy, transportation, health).

Diversity candidates are strongly encouraged to apply. Interested persons should submit an online application at http://www.ese.upenn.edu/faculty-positions and include curriculum vitae, statement of teaching interests, and three references. Review of applications will begin immediately. Applications will be evaluated on a rolling basis until the positions are filled.

The University of Pennsylvania is an Equal Opportunity Employer. Minorities/Women/Individuals with Disabilities/Veterans are encouraged to apply.

UC San Diego

Multiple Faculty Positions

The CSE Department seeks applications for a Teaching Professor with security of employment ("tenure") at the Associate or Full level and an Assistant Teaching Professor with potential security of employment ("tenure-track"). The teaching faculty series at UC San Diego (whose official title is "Lecturer with (Potential) Security of Employment") carries equivalent rights and responsibilities as the more traditional UC San Diego research-focused faculty series. Teaching Professors are expected to place a stronger emphasis on teaching and scholarly activity related to education than on traditional disciplinary research activities.

We seek candidates who have demonstrated that they are strong computer science and engineering educators. Candidates will be expected to teach core undergraduate courses and may also teach advanced undergraduate and graduate courses. Associate of Full level teaching professor candidates will have led scholarly activities outside the classroom that have resulted in significant advancements in computer science and engineering education. Assistant Teaching Professor candidates should also be engaged in, or have the potential to engage in, scholarly activity outside the classroom that has resulted or will likely result in advances in Computer Science and Engineering education Successful candidates must show commitment to educating a broad and diverse group of students and in working to increase the participation and success of students from groups underrepresented in computer science, including but not limited to: African Americans, Latino/as, American Indians, Native Hawaiians, Native Alaskans, women, persons with disabilities, and first-generation college students. All candidates are asked to describe explicitly the nature of their commitment to and experience with underrepresented groups.

Candidates are expected to have a Ph.D. degree in computer science (including computer science education) or a related area.

CSE is a highly collaborative department, home to over 50 faculty including four teaching faculty. With over 2000 undergraduate CS majors, UC San Diego is deeply committed to undergraduate education and is a leader in undergraduate computer science education at a large scale. The department has pioneered several innovative undergraduate programs and pedagogies to support its large and thriving undergraduate student body. More information about the department can be found at http://www.cse.ucsd.edu/.

We encourage candidates to send applications as soon as possible. Applications received by December 1, 2016 will be given full consideration. However, positions remain open until filled.

Please submit the following materials

- A cover letter
- Curriculum vita
- A teaching statement (which must include evidence of effective teaching)
- A statement of scholarly activities describing research and/or other scholarly activities
- 3 reference letters
- A separate statement describing your past experience in activities that promote diversity and inclusion and/or plans to make future contributions. For further information about contributions to diversity statements, see http://facultyequity.ucsd.edu/Faculty-Applicant-C2D-Info.asp.

If you have any questions, please contact Christine Alvarado (L(P)SOE Recruiting Chair) at cjalvarado@eng.ucsd.edu.

For applicants with interest in spousal/partner employment, please see http://academicaffairs.ucsd.edu/aps/partneropp/for the UCSD Partner Opportunities Program.

UCSD is an equal opportunity and affirmative action employer with a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff. Women and minority applicants, veterans and persons with disabilities are encouraged to apply (see http://diversity.ucsd.edu).

For applications to a Teaching Professor with security of employment ("tenure") at the Associate or Full level: All application should be submitted via our AP On-Line Recruit submission website at: https://apol-recruit.ucsd.edu/apply/JPF01220.

For applications to an Assistant Teaching Professor with potential security of employment ("tenure-track"): All application should be submitted via our AP On-Line Recruit submission website at: https://apol-recruit.ucsd.edu/apply/JPF01215.

Professional Opportunities

The University of South Florida invites applications for faculty positions in

Computer Science and Engineering

Applications are invited for multiple positions at all ranks in the Department of Computer Science and Engineering starting Fall 2017. Preference will be given to candidates in strategic research areas that have high funding potential from federal funding agencies including NSF, NIH, DARPA, etc. Candidates should have an established record of independent research with outstanding-quality research publications and with potential for excellence in teaching. Candidates for senior ranks must have demonstrated exceptional capabilities in externally funded research, instruction, and mentoring of students.

The Department of Computer Science and Engineering (http://www.usf.edu/engineering/cse/) has 30 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 System is a high-impact, global research system dedicated to student success. The USF System includes three institutions: USF; USF St. Petersburg; and USF Sarasota-Manatee. The institutions are separately accredited by the Commission on Colleges of the Southern Association of Colleges and Schools. All institutions have distinct missions and their own detailed strategic plans. Serving over 48,000 students, the USF System has an annual budget of $1.6 billion and an annual economic impact of $4.4 billion. USF is a member of the American Athletic Conference.

With more than 16,000 employees in the USF System, the University of South Florida is one of the largest employers in the Tampa Bay region. At USF you will find opportunities to excel in a rich academic environment that fosters the development and advancement of our employees. We believe in creating a talented, engaged and driven workforce through on-going development and career opportunities. We also offer a first class benefit package that includes medical, dental and life insurance plans, retirement plan options, tuition program and generous leave programs and more.

An application package should include a cover letter, curriculum vitae, statements describing research and teaching experience and goals, and the names and contact information of at least three references. Application materials are to be submitted online: http://www.usf.edu/administrative-services/human-resources/careers/. (Applicants search Job Opening ID# 11495) See http://www.usf.edu/engineering/cse/graduate/faculty-search.aspx/. for instructions. 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. To request disability accommodations in the application and interview process, please notify Brett Annette, EOL Coordinator at (813) 974-7736. USF is an equal opportunity/equal access/affirmative action institution.

Professional Opportunities

University of San Francisco

Assistant Professor Tenure Track

The Department of Computer Science at the University of San Francisco is accepting applications for a tenure-track Assistant Professor position starting in August 2017. Applicants must have a Ph.D. in Computer Science or a closely-related field. Strong applicants from all CS sub-disciplines will be considered.

Applicants must demonstrate both exceptional teaching ability and a strong potential for independent and collaborative research in computer science. Applicants will be expected to teach both undergraduate and graduate courses, maintain an active research program that involves students and perform service duties to the CS department and university.

See https://www.usfjobs.com/postings/11490 for the full job description and application instructions. To receive full consideration applications must be complete and submitted by January 2, 2017.

University of San Francisco

Assistant Professor Full-time Renewable

The Department of Computer Science at the University of San Francisco is accepting applications for a full-time, renewable, non-tenure track Assistant Professor position starting in August 2017. Applicants must have a Ph.D. in Computer Science or a closely-related field. Strong applicants from all CS sub-disciplines will be considered.

USC Marshall
School of Business

DEPARTMENT OF DATA SCIENCES AND OPERATIONS (DSO)

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 2017. 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 2017. 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/74978. Please submit your cover letter, curriculum vita, copies of representative research papers, research statement, three references, and any teaching evaluations. Our search will continue until the position is filled. For full consideration please ensure that all application materials are uploaded by December 5, 2016. Information about the Data Sciences and Operations department, its faculty and the Marshall school can be obtained at: http://www.marshall.usc.edu/dso.

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 200 full-time faculty ranks among the top 15 business schools in the world.

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.

University of Southern California
3670 Trousdale Parkway, BRI-401, Los Angeles, CA 90089-0809 • Tel: 213 740 0172 • Fax: 213 740 7313

Professional Opportunities

Applicants must demonstrate exceptional teaching ability. Applicants will be expected to teach both undergraduate and graduate courses and to perform service duties to the CS department and university.

See https://www.usfjobs.com/postings/11491 for the full job description and application instructions. To receive full consideration applications must be complete and received by January 2, 2017.

University of Southern California

Open Rank tenured Associate or Full Professor or tenure-track Assistant Professor positions

The Department of Biological Sciences in the Dana and David Dornsife College of Letters, Arts and Sciences at the University of Southern California invites applications for Open Rank tenured Associate or Full Professor or tenure-track Assistant Professor positions in the broad area of Computational Biology. Applicants will be evaluated based on the overall originality of their work and promise for establishing a strong independent research program.

Successful candidates will join the Molecular and Computational Biology section within Biological Sciences at USC, located in Los Angeles, California. We have a robust Ph.D. program in Computational Biology and Bioinformatics, which emphasizes both rigorous mathematical training and immersive co-localization with experimental biologists. The anticipated start date is August 16, 2017, and applicants must have received a Ph.D. (or equivalent) degree by time of appointment.

Review of applications will begin November 1st, 2016 and continue until the position is filled. Applicants are required to submit an electronic application at http://jobs.usc.edu/postings/74641. Please submit, in a single PDF file, a curriculum vita, a cover letter, a statement of research accomplishments and future research plans, and the contact information of at least three references. Please direct inquiries to: oginskis@usc.edu.

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.

USC Computer Science
Multiple Teaching Faculty Positions

USC Viterbi
School of Engineering
Department of Computer Science

APPLY TODAY

https://goo.gl/FH1fT1
http://cs.usc.edu

The Computer Science Department (http://cs.usc.edu) at the USC Viterbi School of Engineering (http://viterbi.usc.edu) seeks candidates for teaching positions (Lecturer) to teach undergraduate and graduate courses. These are full time, benefits eligible faculty positions on the non-tenure track. The Viterbi School is committed to increasing the diversity of its faculty and welcomes applications from women, persons from underrepresented minority groups, veterans, and individuals with disabilities.

Competitive candidates will have the training and experience necessary to teach effectively in a highly-ranked Computer Science department that advances undergraduate students through an accredited BS degree program and graduate students enrolled in MS and PhD programs. While we are interested in candidates with backgrounds in all areas of Computer Science we are particularly interested in candidates with expertise in Algorithms, Artificial Intelligence, Databases, Games, Programming Languages, Networks/Systems, and Software Engineering. Relevant industry experience is valued for candidates interested in teaching games-related courses.

These are primarily teaching positions; all candidates are expected to have a strong commitment to teaching. Lecturers will spend the majority of their time on teaching and teaching-related duties with reduced obligation for research and University service. Qualified candidates should have a doctoral degree in Computer Science (or equivalent) by the date of appointment. Salary and benefits are competitive. While we seek applications at the level of Lecturer, in exceptional cases, applicants with longer teaching experience may also be considered for a commensurate position (e.g., Senior Lecturer).

Applicants should submit their applications online at: https://goo.gl/FH1fT1

Applications must include a cover letter, a detailed curriculum vitae, a teaching statement, and names of at least three professional references, at least two of whom must be familiar with, and able to comment on, the applicant's teaching experience. Applicants may also optionally include a research statement. Applications should be received by December 2, 2016. Applications received after this deadline may not be considered.

The USC Viterbi School is among the top tier engineering schools in the world. It counts 185 full-time, tenure-track faculty members, and it is home to the Information Sciences Institute, two National Science Foundation Engineering Research Centers, a Department of Energy EFRC (Energy Frontiers Research Center), and the Department of Homeland Security's first University Center of Excellence, CREATE. The school is affiliated with the Alfred E. Mann Institute for Biomedical Engineering, the Institute for Creative Technologies and the USC Stevens Center for Innovation. Research expenditures typically exceed $185 million annually. In addition to its commitment to faculty diversity, the USC Viterbi School of Engineering is committed to enabling the success of dual career families and fosters a family-friendly environment.

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 Computer Science
Multiple Tenure-Track Faculty Positions

USC Viterbi
School of Engineering
Department of Computer Science

APPLY TODAY

http://goo.gl/T4NBKu
http://cs.usc.edu

The Computer Science Department of the USC Viterbi School of Engineering is in a period of significant and sustained faculty growth We have multiple openings for tenure-track positions in all areas and at all levels of seniority. The Viterbi School of Engineering at USC is committed to increasing the diversity of its faculty and welcomes applications from women, underrepresented groups, veterans, and individuals with disabilities. While we primarily seek assistant professor applicants, we are interested in exceptional candidates at all levels.

We expect all candidates to have a strong commitment to research, doctoral student mentoring, and teaching at the undergraduate and graduate levels. All applicants must have earned a doctorate in Computer Science or a closely related field by the date of appointment.

Applicants should submit their applications online, at http://goo.gl/T4NBKu

Applications must include a cover letter indicating the applicant's 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. Applications should be submitted by December 2, 2016 Applications received after this deadline may not be considered.

The USC Viterbi School of Engineering is among the top tier engineering schools in the world. It counts 185 full-time, tenure-track faculty members, and it is home to the Information Sciences Institute, two National Science Foundation Engineering Research Centers, a Department of Energy EFRC (Energy Frontiers Research Center), and the Department of Homeland Security's first University Center of Excellence, CREATE. The school is affiliated with the Alfred E. Mann Institute for Biomedical Engineering, the Institute for Creative Technologies and the USC Stevens Center for Innovation. Research expenditures typically exceed $185 million annually. With 37 tenure-track, 34 research, and 14 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

Professional Opportunities

University of Tennessee, Knoxville

Three (3) Tenure Track Faculty Positions in Computer Science or Computer Engineering

The Department of Electrical Engineering and Computer Science (EECS) at The University of Tennessee, Knoxville (UTK) is seeking candidates for three (3) tenure track faculty members at the assistant or associate professor level in computer science or computer engineering. Applicants should have an earned Ph.D. in Computer Science, Computer Engineering, or a related field. The department is expanding its teaching and research in the areas of data analytics, machine learning, cybersecurity, internet of things, cloud and virtual environments, and mobile computing systems. We welcome applicants in these and other areas of computer science and computer engineering. Successful candidates will be expected to teach at both undergraduate and graduate levels, to establish a vigorous funded research program, and to have a willingness to collaborate with other faculty in research.

EECS is housed in a new $37.5 million teaching and research facility completed in 2012. The department currently has an enrollment of more than 750 undergraduate and 250 graduate students, with a faculty of 45, and research expenditures that exceed $17 million per year. EECS offers two undergraduate minors in cybersecurity that were started in 2015. Successful candidates will be expected to contribute to the expansion of related educational and research activities in this area. UTK is a leading research institution with strong research partnerships with organizations such as the nearby Oak Ridge National Laboratory (ORNL) where several UT faculty have joint positions or research ties.

The Knoxville campus of the University of Tennessee is seeking candidates who have the ability to contribute in meaningful ways to the diversity and intercultural goals of the University. The University of Tennessee 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. Interested candidates should apply through the departmental web site at http://www.eecs.utk.edu/people/employment/ and submit a cover letter, a curriculum vitae, a statement of research and teaching interests, and contact information for three references. Review of applications will begin on January 10, 2017, and continue until the positions are filled.

The University of Tennessee is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA institution in the provision of its education and employment programs and services. All qualified applicants will receive equal consideration for employment without regard to race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, gender identity, age, physical or mental disability, or covered veteran status.

University of Texas at Austin

Assistant/Associate/Full Professor Faculty Positions

The Department of Computer Science of the University of Texas at Austin invites applications for tenured and tenure-track positions at all levels. Outstanding candidates in all areas of Computer Science will be considered, particularly in: computer vision, machine learning, cybersecurity and formal methods.

All tenure-track and tenured positions require a Ph.D. or equivalent degree in computer science or a related area at the time of employment. Successful candidates are expected to pursue an active research program, to teach both graduate and undergraduate courses, and to supervise graduate students in research. The department is committed to building a diverse faculty, and we are interested in candidates who will contribute to diversity and equal opportunity in higher education through their teaching, research, and service.

The department is ranked among the top ten computer science departments in the country. It has 44 tenured and tenure-track faculty members across all areas of computer science. Many of these faculty participate in interdisciplinary programs and centers in the University, including the Texas Advanced Computing Center (TACC), and those in Computational and Applied Mathematics, Computational Biology, and Neuroscience.

Austin, the capital of Texas, is a center for high-technology industry, including companies such as Dell, IBM, Advanced Micro Devices, 3M Corporation, National Instruments, Apple Computer, Inc., AT&T and Samsung. For more information please see the department web page http://www.cs.utexas.edu.

All faculty positions require a cover letter, current curriculum vita, research statement and teaching philosophy. For tenure-track faculty positions, three (3) reference letters are required. Tenured Associate and Full Professor applications require six (6) reference letters.

To apply for a tenure-track position on-line at http://apply.interfolio.com/36936.

To apply for a tenured Associate and Full Professor position online at http://apply.interfolio.com/38778.

A review of complete applications (including all reference letters) will begin on December 15, 2016. For full consideration of your application, please apply by January 31, 2017. Please direct inquiries about your application to faculty-search@cs.utexas.edu. The University of Texas is an Equal Opportunity Employer.

Professional Opportunities

University of Texas at Austin/ McCombs School of Business-RADM Tenure-Track Faculty

The **McCombs School of Business** at the **University of Texas at Austin** invites applications for a tenure track faculty position in the Department of Information, Risk, and Operations Management starting inFall 2017. We seek candidates with a rigorous research program that focuses on the development or the innovative use of **optimization methodologies that are driven by data** and motivated by challenges in business. A candidate's research may draw from one of a variety of research disciplines, including operations research, operations management, computer science, machine learning, econometrics, statistics or other related fields. We seek candidates with a strong commitment to high quality research and teaching, and who can contribute to our program in Business Analytics. Applicants should have a Ph.D. or expect to complete their degree before Fall 2017. We will also consider candidates with strong records in teaching and in research who would qualify for a more senior level appointment.

The McCombs School, with its top-ranked faculty and educational programs, offers a stimulating and collegial environment for research and teaching. The *Information, Risk, and Operations Management* (IROM) Department offers courses and concentrations in the undergraduate, MBA, and PhD programs. The School's Supply Chain Management Center of Excellence, Center for Research in Electronic Commerce, The Kay Bailey Hutchison Center for Energy, Law and Business, Healthcare initiative and other research centers and initiatives provide opportunities for IROM faculty to collaborate with colleagues in other disciplines and to interact with industry.

As an Equal Opportunity Employer with a commitment to diversity, we want our applicant pool to be as diverse as possible. We welcome applicants from under-represented groups as well as applicants who have demonstrated, and will continue to demonstrate, a commitment to diversity in the academic environment.

Interested applicants should upload a curriculum vita, copies of up to three research papers, and a statement of research objectives and accomplishments to https://apply.interfolio.com/38195. Applicants with teaching experience should alsoupload teaching evaluations. All applicants are required to use the Interfolio Recommendation Letter request system to request at least **three** confidential letters of recommendation.

Equal Employment Opportunity Statement

The University of Texas at Austin, as an equal opportunity/affirmative action employer, complies with all applicable federal and state laws regarding nondiscrimination and affirmative action. The University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, national origin, age, marital status, sex, sexual orientation, gender identity, gender expression, disability, religion, or veteran status in employment, educational programs and activities, and admissions.

University of Texas at San Antonio

Faculty Cluster Hire in Cybersecurity

The University of Texas at San Antonio (UTSA) has embarked on a focused cluster hiring plan under the Gold Star Initiative, to recruit top-tier researchers over a four year period. The plan will focus on strategic areas of research excellence, to include cybersecurity, cloud computing and data analytics. UTSA is currently looking for candidates to fill six faculty positions to foster collaborative research, education and outreach and to create interdisciplinary areas of knowledge that will advance the field of cybersecurity.

UTSA is a recognized leader in the field of infrastructure assurance and security by the National Security Agency and the Department of Homeland Security and is a designated Center of Academic Excellence in Information Assurance Education (CAE). In spring 2014, UTSA was ranked #1 nationally for Cyber Security Programs according to a national survey of certified information technology security professionals conducted for Hewlett-Packard. UTSA is home to the Institute for Cyber Security (ICS), which conducts basic and applied cybersecurity research in partnership with academia, government and industry. The Center for Infrastructure Assurance and Security (CIAS), also located at UTSA, has developed the world's foremost center for multidisciplinary education and development of operational capabilities in the areas of infrastructure assurance and security. In complement to the ICS and CIAS, the Center for Education and Research in Information and Infrastructure Security (CERI2S) conducts high impact research, as well as educates the cybersecurity workforce within the San Antonio area and beyond. In partnership with Rackspace, UTSA houses the largest open cloud infrastructure in academia. The Open Cloud Institute is an initiative to develop degree programs in cloud computing and foster collaboration with industry, positioning UTSA and San Antonio as world leaders in open cloud technology.

Required Qualifications and Responsibilities:

The successful applicant will have a Doctoral degree (Ph.D.) and publications commensurate with appointment levels in the department of interest. Successful candidates will be expected to develop

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and maintain externally funded research programs, engage in both undergraduate and graduate education, and contribute their leadership and innovative thinking towards global prominence in cybersecurity. Teaching opportunities will vary by department and teaching qualifications will be a consideration for fit within their respective department

Application Process:
Applicants must submit their full application package via the respective link to each position. For more information about this cluster and to access the position links, please visit http://resea rch.utsa.edu/research-news/cyber/. For general questions or additional information on the Gold Star Initiative, please contact: Bernard Arulanandam, Interim Vice President for Research at Bernard.arulanandam@utsa.edu or 210-458-8176.

Enterprise Security
Tenure-track Assistant Professor in the Department of Communication. This position is targeted towards faculty with expertise and interest in the areas of situational awareness and decision-making, cyber data analysis, attack and response, human-machine interactions, organizational communication, information networks, and cybersecurity training.

Cyber Analytics
Tenure-track Assistant, Tenured/ tenure-track Associate Professor in the Department of Information Systems and Cyber Security. This position is targeted towards faculty with expertise and interest in conducting transformative research and developing tangible "big data" solutions to cyber analytics challenges with interests in the following domains: embedded system security, cloud security, enterprise security situational awareness and decision making; and/or digital forensics.

Cyber Decision Support
Tenure-track Assistant, Tenured/ tenure-track Associate Professor in the Department of Information Systems and Cyber Security. This position is targeted towards faculty with expertise and interest in conducting transformative research that enables organizations to make cyber related decisions quickly, effectively, and accurately. We are particularly interested in the following areas: cyber resiliency; enterprise security situational awareness and decision making; and/or risk assessment and management.

Cloud Computing Security
Tenure-track Assistant Professor in the Department of Electrical and Computer Engineering. This position is targeted towards faculty with expertise and interest in security and privacy issues in cloud computing. Specific topics of interest include secure and privacy-aware data analytics in cloud, data analytics techniques to enhance cloud security, secure software defined networking and network function virtualization, cloud monitoring, dependability issues (availability, assurance and recover) in cloud, secure multi-tenancy, hardware architectures to improve cloud security, etc.

Embedded Systems Security
Tenure-track Assistant Professor in the Department of Electrical and Computer Engineering. This position is targeted towards faculty with expertise and interest in embedded systems security. Areas of particular interest are: security of embedded systems with applications to cyber physical systems such as the Internet of Things, energy, transportation, building design, automation, healthcare and manufacturing.

Privacy and Data Protection
Tenure-track Assistant Professor in the Department of Computer Sciences. This position is targeted towards faculty with expertise and interest in privacy protection and security. Applicants with expertise in software engineering, programming languages and compilers, or big data analytics are particularly encouraged to apply.

As an Equal Employment Opportunity and Affirmative Action employer, it is the policy of The University of Texas at San Antonio to promote and ensure equal employment opportunity for all individuals without regard to race, color, religion, sex, national origin, age, sexual orientation, gender identity, disability, or veteran status. The University is committed to the Affirmative Action Program in compliance with all government requirements to ensure nondiscrimination. The UTSA campus is accessible to persons with disabilities.

University of Utah

Tenure-Track Faculty Positions

The School of Computing at the University of Utah seeks applications for multiple tenure-track faculty positions at the rank of Assistant Professor, beginning Fall 2017. Exceptional candidates at all ranks will also be considered. Applications in all areas of computer science are encouraged, but the School is particularly interested in the following areas of expertise:

- Database and data management/analytics systems
- Computer security

The University of Utah is a Carnegie Research I Institution, and the School of Computing is an exciting, growing school with a 50-year history of excellence in computer science education, innovation, and research. The University of Utah is located in Salt Lake City, the hub of a large metropolitan area with excellent cultural and recreational opportunities. Additional information about the school and our current faculty can be found at http://www.cs.utah.edu. Candidates may apply through the following URL: http://utah.peopleadmin.com/postings/57861

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Review of applications will begin after November 15 and will continue until the positions are filled.

The University of Utah is an Equal Opportunity/Affirmative Action employer and educator. Minorities, women, veterans, and persons with disabilities are strongly encouraged to apply. Veterans' preference is extended to qualified veterans. Reasonable disability accommodations will be provided with reasonable notice. For additional information about the University's commitment to equal opportunity and access see: http://www.utah.edu/nondiscrimination/.

The University of Utah values candidates who have experience working in settings with students from diverse backgrounds, and possess a strong commitment to improving access to higher education for historically underrepresented students.

The University of Vermont

Four Tenure-Track Positions in Computer Science and Complex Systems

College of Engineering & Mathematical Sciences

The College of Engineering and Mathematical Sciences (CEMS) at the University of Vermont (UVM) is seeking applications for four tenure-track faculty positions in Computer Science and Complex Systems, with a Fall 2017 start date. These positions will be at the rank of Assistant Professor, or Associate Professor with tenure for outstanding candidates already at that rank. We seek candidates with active research in one or more of the following areas:

- Cybersecurity, especially in languages and verification, or applications of machine learning or complex systems approaches to cybersecurity.
- Computational Intelligence, broadly defined to include data mining, machine learning, data science, bio-inspired approaches, and Deep Learning, with broad potential for applications to Big Data in areas such as biology, medicine, cybersecurity, social science, sociotechnical systems, and/or environmental science.
- Complex Systems, modeling and/or analysis of emergent phenomena allied with data-driven empirical work, ideally with applications in biology, medicine, cybersecurity, the social sciences, sociotechnical systems, and/or environmental science.
- Computational Biology, computational approaches to the study of biological systems such as in genomics, proteomics, phylogenetics, biological pathways or networks, etc.

Ideally, potential for synergies between candidates should be evident, and cluster hires focused on some subset of the above topics are possible. Existing teams of collaborators are encouraged to apply. At least two of the positions will have primary appointments in Computer Science; the other two could have primary appointments in Computer Science, Mathematics, Statistics, or Engineering (Civil, Environmental, Electrical, Mechanical, or Bioengineering), depending on the qualifications and desires of the candidates. We are particularly interested in candidates who would interact closely with researchers in the post- disciplinary Vermont Complex Systems Center and/or the UVM College of Medicine.

Applicants must have a Ph.D. in a relevant field, a strong research record with excellent potential for external funding, and the potential to supervise masters and doctoral students. Postdoctoral experience is preferred. Successful candidates will be expected to contribute to the undergraduate and graduate teaching mission of their primary unit and ideally also participate in transdisciplinary graduate education in Complex Systems & Data Science.

The University is an Equal Opportunity/Affirmative Action employer and actively encourages applications from women, veterans, and people from diverse racial, ethnic, and cultural backgrounds. To that end, candidates must provide a diversity impact statement as part of the application detailing how they will further the diversity of CEMS through their teaching, research, and/or service at UVM.

The University of Vermont, established in 1791, is a comprehensive research university with a current enrollment of 12,000+ undergraduate, graduate, and medical students. The scientific and academic environments in CEMS, and throughout UVM, are dynamic, highly collaborative, and multi-disciplinary. UVM has state of the art core facilities, including the Vermont Advanced Computing Center and the Advanced Genome Technologies Core, and offers generous benefits packages, including health, dental, retirement contributions, and tuition remission.

The University is located in beautiful Burlington, Vermont, about 90 miles south of Montreal. Burlington is consistently ranked as one of the best small cities in America for quality of living, and features year-round outdoor recreation and cultural events. Greater Burlington has a population of approximately 150,000 and enjoys a panoramic setting on Lake Champlain, bordered by the Adirondack and Green Mountains.

The applicant must submit a cover letter identifying his or her specific area(s) of expertise and which department(s) they would prefer a primary appointment in, a current curriculum vitae, a statement of teaching philosophy, a detailed statement of research interests, the diversity statement described above, and names

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of at least three people who can provide letters of reference, at least one of which who can comment on teaching. All application materials must be submitted online at www.uvmjobs.com, position **#005140.** Applicants are also encouraged to create a Google Scholar profile. Inquiries may be addressed to the Search Committee Chairperson, Dr. Chris Danforth (Chris.Danforth@uvm.edu). Applications will be accepted until filled; review of applications will begin on December 1, 2016.

Posting direct link: https://www.uvmjobs.com/postings/21433.

University of Virginia

Assistant, Associate or Full Professor (Cyber-Physical Systems/Smart Cities)

The School of Engineering and Applied Science at the University of Virginia has recently launched a multi-million dollar initiative to create a world class center of research excellence in Cyber-Physical Systems (CPS). The initiative has resulted in the formation of the cross-cutting Link Lab where over a dozen faculty from multiple departments collaborate on cross-cutting research. The Link Lab is dedicated to solving the most critical problems facing society by transcending traditional disciplinary boundaries.

Building on this effort, UVA Engineering seeks candidates for two open rank, tenured or tenure-track faculty positions in the areas of both cyber physical systems and smart cities. The successful candidates will have a primary appointment in a UVA Engineering department and be expected to engage in funded research, teach at the undergraduate and graduate levels, and perform service for the institution and professional organizations. Rank, tenure-status, and compensation are contingent upon experience.

Specific examples of research areas of particular interest to our program include, but are not limited to:

- Formal and model-based reasoning through all levels of design and operation
- Sensor design, including RF sensing, novel sensing devices, and application thereof
- RF and mixed-signal circuits
- Robotics, drones, and autonomous and connected vehicles
- Machine learning and signal processing as applied to cyber-physical systems
- Communications and networking to support the internet of things
- Cyber-Physical Systems with humans in the loop; human-automation interaction

Candidates must have a PhD in science or engineering by the time of appointment. Candidates must have a record of excellence in research, as appropriate for the candidate's rank, and a commitment to teaching excellence. Appointment with tenure requires documented excellence in research and teaching, and an emerging national reputation. Preference will be given to candidates that are collaborative in nature and would complement or expand the school's current strengths in CPS.

To apply, candidates must submit a Candidate Profile through Jobs@UVA; search posting number 0619648. Applicants should submit a cover letter, CV, teaching statement, research statement, and names and contact information for at least three references. Questions about this position can be directed to Search Committee Chair Jon Goodall at goodall@virginia.edu.

Review of applications will begin on November 1, 2016 and will continue until the positions are filled.

The University of Virginia is an equal opportunity and affirmative action employer. Women, minorities, veterans, and persons with disabilities are encouraged to apply.

University of Wisconsin - Madison School of Medicine and Public Health

Assistant/Associate/Full Professor

The Department of Biostatistics & Medical Informatics (BMI) at the University of Wisconsin School of Medicine & Public Health (SMPH) is seeking tenure track assistant, associate, and full professors starting around July 2017. Candidates should have a doctoral degree (PhD, ScD, or equivalent) in Biostatistics, Statistics, or a closely related quantitative area. Key areas of interest include clinical and population health biostatistics, and statistical genetics and genomics.

A key consideration is the ability and interest to work in a collaborative, interdisciplinary environment.

Successful candidates will maintain superb research programs that ideally involve applications to high throughput biological experiments, genetics and genomics, precision medicine, clinical trials, population health research or health services research, and/or the improvement of clinical care. It is expected that the candidate will attract and maintain external funding to support his/her program, and will collaborate with scientists at UW-Madison, either in the SMPH and/or across campus, and/or its partner institutions. Additional responsibilities will include training graduate students, teaching, and participating in professional, university, and community service appropriate to rank.

The University of Wisconsin-Madison is a world-class academic institution with an international reputation for basic, applied, and interdisciplinary research. UW-Madison regularly ranks in the top 10 or 12 among U.S. public universities, and regularly surpasses $1 billion in annual research expenditures. Madison provides a vibrant, culturally rich environment highly ranked in national surveys for quality of life. The BMI department also provides an exceptional

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environment for academic activity and interdisciplinary collaboration. BMI faculty collaborate with scientists across UW and the state, including the Institute for Clinical and Translational Research, the UW Carbone Cancer Center, the Marshfield Clinic Research Foundation, the Wisconsin Institute for Discovery, and the Morgridge Institute for Research. BMI maintains strong ties to the world-class Departments of Computer Sciences and of Statistics, through which many of its graduate students are trained. BMI is home to a Center for Predictive Computational Phenotyping, funded under the NIH "Big Data to Knowledge" initiative.

To ensure full consideration, applications must be received by November 15, 2016, although late applications may be accepted. Candidates should submit their applications through the UW employment website: http://www.ohr.wisc.edu/Weblisting/External/PVLSummaryApply.aspx?pvl_num=87874. To aid in applicant screening, please indicate primary area of interest as either "clinical and population health biostatistics", or "statistical genetics and genomics" in cover letter.

AA/EOE. Women and minorities are encouraged to apply. Unless confidentiality is requested in writing, information regarding the applicants must be released upon request. Finalists cannot be guaranteed confidentiality. A criminal background check will be required prior to employment.

University of Wisconsin-Madison

Professor or Associate Professor or Assistant Professor

The Department of Computer Sciences at the University of Wisconsin-Madison has embarked on a multi-year effort to significantly expand 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 tenure- track and tenured faculty levels. Appointments will begin August 2017. We seek applicants across the spectrum of computer science research, ranging from core areas to applied and interdisciplinary research. Preference at the full professor level will be given to candidates active in the datafication of human knowledge who are potentially eligible for the prestigious DeWitt Chair.

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

Tenure Track (Open Rank) Positions - Computer Science

Worcester Polytechnic Institute

WPI invites applications for a tenure track (open rank) Professor positions with a research focus in Computer Science to begin in the Fall of 2017.

The Computer Science Department anticipates hiring multiple tenure-track faculty for the Fall of 2017 whose expertise is in the following areas: 1) User Interfaces and Visualization; 2) Mobile and Sensor Software Systems; and 3) Dependable Software Systems; 4) Data Science in areas such as machine learning, large-scale data management, and big data analytics, joining faculty in our interdisciplinary Data Science program; 5) Robotics, joining faculty in our interdisciplinary Robotics Engineering program; and 6) Interactive Media and Game Development, joining faculty in our interdisciplinary Interactive Media & Game Development program.

Candidates should have a PhD in Computer Science or a closely related field, and the potential for excellence in research and teaching.

Founded in 1865, WPI is one of the nation's first technological universities. A highly selective private university located within an hour of Boston, WPI is consistently ranked among the top 60 research institutions by US News & World Report. The university is home to an innovative and intensive project based curriculum that empowers students with the knowledge and skills to address real world problems around the globe, an approach repeatedly cited for excellence by The Fiske Guide to Colleges and The Princeton Review.

Questions about the hiring process should be sent to recruit@cs.wpi.edu.

More information about the positions and instructions for applying are available at **http://apptrkr.com/880736**. You will need to include detailed research and teaching statements, vitae and contact information for at least three references.

We are an Equal Opportunity Employer and do not discriminate against applicants due to race, color, age, religion, sex, sexual orientation, gender identity, national origin, veteran status or disability. We are looking for individuals who value creativity, diversity, inclusion, and collaboration.

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well as excelling in undergraduate and graduate teaching. Application materials must be submitted online to: https://academicjobsonline.org/ajo/jobs/7638. For further information see: https://www.cs.wisc.edu/about/employment.

The Department of Computer Sciences 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 building large scale compute infrastructures, and engaging in new interdisciplinary programs and centers. The CS department has also been the beneficiary of significant donations – amounting to nearly $20 million over the past year alone – aimed at supporting the department's research and educational mission.

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, Amazon, and several other technology giants in the area, Madison is also among the fastest growing technology hubs in the country.

UW-Madison is an equal opportunity/affirmative action employer. We promote excellence through diversity and encourage all qualified individuals to apply.

A criminal background check is required prior to start of employment.

University of Wisconsin School of Medicine & Public Health

Assistant/Associate/Full Professor

Department of Biostatistics & Medical Informatics at the University of Wisconsin School of Medicine & Public Health is seeking multiple Assistant (tenure-track) or Associate/Full (tenured) Professors in Biostatistics or Biomedical Informatics. Collaborative positions combine research in methodology with applications in all areas of biomedical and population health sciences. All positions include teaching, graduate student training; and require PhD, SciD, or equivalent, in Biostatistics, Statistics, Bioinformatics, Computational Biology, Biomedical Informatics, Computer Science, or related quantitative area.

See: https://www.biostat.wisc.edu/employment-listings.

Worcester Polytechnic Institute
Robotics Engineering Program
Tenure Track Faculty Position – August 2017

The WPI Robotics Engineering Program invites applications for a tenure-track faculty position at all levels for fall 2017. You should hold a Ph.D. in engineering, computer science, or a closely related field, possess the desire to actively engage in teaching robotics at both the graduate and undergraduate levels, and have a clear plan to establish a vibrant, externally funded research program.

Research areas of interest include, but are not limited to: Fundamentals (e.g. Controls, Learning, Perception), Capabilities (e.g. Human-Robot Interaction, Manipulation, Mobility), and Applications (e.g. Exploration, Health, Manufacturing).

Now in its 10th year, the WPI Robotics Engineering program has been recognized for its unique multi-disciplinary approach to robotics education and its cutting-edge robotics research. We offer the Nation's first undergraduate degree in Robotics, as well as the M.S. and Ph.D. degrees, with over 340 undergraduate and over 170 graduate students enrolled. The 12 core and 20 affiliated robotics faculty members have research support from NSF, NIH, AFRL, ONR, NASA, DARPA, and industry. The exceptionally close-knit, collaborative, and collegial faculty routinely engages in joint proposals and research, shared labs and facilities, mentoring, and teaching guidance.

Please refer to our website at http://robotics.wpi.edu/ for more information.

Founded in 1865, WPI is one of the nation's oldest technological universities. Today, WPI is a highly selective private university with an undergraduate student body of over 4,000 and 1,900 full- and part-time graduate students enrolled in more than 50 Bachelor's, Master's and Ph.D. programs. WPI is consistently ranked among the top national universities in U.S. News & World Report. Our innovative project-enriched curriculum engages students and faculty in real-world problem solving, often at one of WPI's project centers. The university is located in the heart of Massachusetts an hour away from Boston and Providence.

Questions about the hiring process should be sent to robotics-recruit@wpi.edu. Applications should be submitted per instructions at **http://apptrkr.com/883851**. Please include detailed research and teaching statements, vitae, and contact information for at least three references. Applications should be received by December 16, 2016. Applications will be reviewed as they are received; therefore, applicants are encouraged to apply early.

To enrich education through diversity, WPI is an affirmative action, equal opportunity employer.

WPI

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University of Wyoming

Two Tenure-Track Assistant Professor Positions in Computer Science

Main Contact: search@cs.uwyo.edu

The Computer Science Department at the University of Wyoming seeks applicants for two tenure-track Assistant Professors to start in August 2017. The department is especially seeking candidates with expertise in AI / Machine Learning (especially Deep Learning), Big Data, and/or Cybersecurity. Exceptional candidates in other areas and those seeking more advanced ranks are also encouraged to apply.

See https://academicjobsonline.org/ajo/jobs/7940 for full details and application instructions. To ensure full consideration applications should be completed by December 4, 2016, though applications will be accepted until the position is filled.

The University of Wyoming is an Equal Employment Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability or protected veteran status or any other characteristic protected by law and University policy. Please see www.uwyo.edu/diversity/fairness. We strongly encourage applications from women and other groups underrepresented in computer science.

The University conducts background investigations for all final candidates being considered for employment. Offers of employment are contingent upon the completion of the background check.

Virginia Tech

Faculty Positions - Department of Computer Science

The Department of Computer Science at Virginia Tech (www.cs.vt.edu) seeks applicants for multiple faculty positions at the assistant or associate professor levels, with research interests in all areas of computer science. Candidates must have a Ph.D. in computer science or related field at the time of appointment and a rank-appropriate record of scholarship and collaboration in computing research, broadly defined. Candidates should give evidence of sensitivity to issues of diversity and inclusion, and will be expected to teach graduate and undergraduate courses, mentor graduate students, and develop a high quality research program.

The department has 39 tenured/tenure-track faculty, over 700 majors (17% women), 68 MS students, and 181 PhD students. Departmental research expenditures last year were $14 million. Candidates will have the opportunity to work with a wide range of productive research groups including computational biology and bioinformatics, computational science, computer science education, cybersecurity, data analytics and machine learning, human-computer interaction, software engineering and computer systems. Multidisciplinary research centers led by CS faculty include Center for Human-Computer Interaction (www.hci.vt.edu), Discovery Analytics Center (dac.cs.vt.edu), stack@cs (stack.cs.vt.edu), Synergistic Environments for Experimental Computing (research.cs.vt.edu/seec), Biocomplexity Institute (www.bi.vt.edu), and Institute for Creativity, Arts, and Technology (icat.vt.edu). The department also plays a central role in several university-wide research and teaching initiatives (provost.vt.edu/destination-areas), including Data Analytics and Decision Sciences, Integrated Security, Intelligent Infrastructure for Human-Centered Communities, and Creative Technologies and Experiences. The department is in the College of Engineering, whose undergraduate program ranks 15th and graduate program ranks 21st among U.S. engineering schools (USN&WR, 2015).

These faculty positions are located at the main campus in Blacksburg, VA, in a region that is consistently ranked among the country's best places to live. The positions require occasional travel to professional meetings. Virginia Tech is committed to building a culturally diverse community and strongly encourages women and minorities to apply. Candidates must pass a criminal background check prior to employment.

Submit applications to jobs.vt.edu, posting #TR0160116. Screening begins November 20, 2016 and continues until positions are filled. Direct inquiries to Dr. Ali Butt, Search Committee Chair, butta@cs.vt.edu.

Virginia Tech is an Equal Opportunity/Affirmative Action Employer

Virginia Tech

Lead Software Scientist

The Molecular Sciences Software Institute (MolSSI), located at Virginia Tech, seeks candidates for a **Lead Software Scientist.** The successful candidate will work with the MolSSI Director and Board of Directors to lead and coordinate day-to-day activities of MolSSI, will oversee the work of the software staff and software fellows, and be actively involved in software development and training. Candidates should have demonstrable skills in computational methods and theories for molecular sciences, software development and management.

Qualified applicants must have a PhD in chemistry, biochemistry, biology, materials science or related areas with demonstrated related experience. The application should also have a strong research record; strong communication skills to effectively interact with all stakeholders in MolSSI and with staff; and the ability to timely plan, initiate and execute activities. In addition, the successful candidate will mentor the software staff and fellows and help prepare reports as necessary for the funding agency.

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Applicants must submit online at http://www.jobs.vt.edu and locate the posting for Lead Software Scientist under the Department of Chemistry (Posting SR0160147). Applicants will submit a curriculum vita, a cover letter, and provide three references. The Search Committee Coordinator is available to address any specific questions related to the position: Professor Theresa Windus, Iowa State University, Department of Chemistry, 125 Spedding Hall Ames, IA 50011 twindus@iastate.edu.

Virginia Tech is an AA/EEO employer and applications from underrepresented groups are especially encouraged. Occasional travel for consultations and to attend professional meetings and conferences is required, and University policy requires a criminal background check.

Washington University in St. Louis

Tenure-Track Faculty Position

The Department of Computer Science & Engineering at Washington University in St. Louis seeks outstanding tenure-track faculty in all areas of computer science and engineering.

Our department has been growing with plans to continue expanding in the coming years. We seek talented and highly motivated individuals who will build transformative research programs through work in the core disciplines of computer science and computer engineering, as well as through interdisciplinary collaborations. While candidates from all areas of computer science and engineering will be considered, we particularly welcome those with expertise in one of the following: (1) advancing and harnessing data science with a focus on the social sciences and humanities, (2) theory and practice of data security, privacy, and safety in a world of connected resources and devices, and (3) systems and algorithmic advances supporting highly scalable, cloud-based machine learning and data analytics. In addition, the department is participating in a separate, large-scale recruiting effort with our School of Engineering and School of Medicine in the area of imaging, which aims to recruit twelve new faculty over the next few years. Successful candidates will show exceptional promise for research leadership and a strong commitment to high-quality teaching. Candidates will be expected to publish their research in peer-reviewed conferences and journals, teach, and participate in department and university service.

Our faculty is engaged in a broad range of research activities. Key strategic themes include: tight integration of computation with the human and physical worlds, the extraction of knowledge from massive data sets, and the design of safe, secure, and scalable computing systems. The impact of our work is magnified through interdisciplinary collaborations throughout the School of Engineering, with colleagues in the sciences, arts, and humanities, and with our world-renowned School of Medicine. Our doctoral graduates go on to leadership positions in both academia and industry. The department values both fundamental and applied research and has a strong tradition of successful technology transfer. Our faculty is known for its collegiality and for providing a supportive environment for new arrivals.

Washington University is a private university with roughly 7,000 full-time undergraduates and 7,000 graduate students. It is nationally known for the exceptional quality of its student body and for its attractive campus, which borders residential neighborhoods and one of the nation's largest urban parks. Many faculty walk or bike to work. St. Louis combines a Midwest cost of living with a vibrant metropolitan area, offering a wealth of cultural and entertainment opportunities.

Appointment is expected at the rank of Assistant Professor; however, exceptionally qualified applicants may be considered for appointments at the Associate or Full Professor level. Applicants must hold a doctorate in Computer Science, Computer Engineering, or a closely related field.

Qualified applicants should submit a complete application (cover letter, curriculum vitae, research statement, teaching statement, and contact information for at least three references) through AcademicJobsOnline at https://academicjobsonline.org/ajo/jobs/7957. (Candidates for the imaging search should instead visit https://engineering.wustl.edu/facultyopenings.) Other communications may be directed to Prof. Roch Guérin, Department of Computer Science & Engineering, Campus Box 1045, Washington University in St. Louis, One Brookings Drive, St. Louis, MO 63130-4899.

Applications received by December 15, 2016 will receive full consideration.

Washington University is an Equal Opportunity and Affirmative Action employer and is strongly committed to enhancing the diversity of its faculty; applications from women and under-represented minorities are especially encouraged. Employment eligibility verification will be required upon employment.

Weill Cornell Medical College of Cornell University

Postdoctoral Position in Computational Genomics, Algorithm Development

There are positions for outstanding postdoctoral fellows in our group. Ideal candidates must have a Ph.D. in Computer Science, Engineering, Computational Biology or related fields. Excellent algorithmic and programming skills are required. Candidates

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with prior experience in DNA sequence analysis or cancer research are highly desirable. Please email your CV to Dr. Iman Hajirasouliha "imh2003@med.cornell.edu" along with a summary of your background and future interest.

Wellesley College

Norma Wilentz Hess Faculty Fellow, Computer Science

Wellesley College invites applications for a two year Norma Wilentz Hess Faculty Fellow in the Computer Science Department, starting in the fall of 2017. To see the full description and apply to the position please go to our website at http://career.wellesley.edu/postings/1410.

Wellesley College is an Equal Opportunity Employer, and we are committed to increasing the diversity of the college community and the curriculum. Candidates who believe they can contribute to that goal are encouraged to apply.

Wellesley College

Tenure-Track Assistant Professor, Computer Science

Wellesley College invites applications for two tenure-track Assistant Professor positions in the Computer Science Department, starting in the fall of 2017. To see the full description and apply to the position please go to our website at http://career.wellesley.edu/postings/1408.

Wellesley College is an Equal Opportunity Employer, and we are committed to increasing the diversity of the college community and the curriculum. Candidates who believe they can contribute to that goal are encouraged to apply.

Williams College

Tenure Track Assistant Professor in Computer Science

The Department of Computer Science at Williams College invites applications for an opening at the Assistant Professor level for the fall of 2017. This is a tenure-track position with a three-year initial term. A more senior appointment is possible in exceptional circumstances. This position is open to all areas of computer science. New faculty will join eight current members of the department in supporting a thriving and robust undergraduate computer science major. Candidates should have a commitment to excellence in teaching, an active research program, and should, by September 2017, possess a Ph.D. in computer science or a closely related field. The successful candidate will teach a total of three courses during the academic year, along with associated labs.

Williams College is a coeducational liberal arts institution located in the Berkshire Hills of western Massachusetts. The college has built its reputation on outstanding teaching and scholarship and on the academic excellence of its approximately 2,000 students. The Department of Computer Science offers a congenial working environment with small classes, an excellent and diverse student body, and state-of-the-art facilities. Many opportunities exist for collaboration across disciplines, particularly with other faculty in the sciences.

We welcome applications from members of groups traditionally underrepresented in the field, and applicants are encouraged to state in their cover letter how, if hired, they will enhance our current course offerings and educational experiences. Beyond meeting fully its legal obligations for non-discrimination, Williams College is committed to building a diverse and inclusive community where members from all backgrounds can live, learn, and thrive. Applications should also include a curriculum vitae, teaching and research statements, and three letters of reference, at least one of which speaks to the candidate's promise as a teacher. Application materials must be submitted electronically via http://www.cs.williams.edu.

Materials may be addressed to:
Professor Brent Heeringa, Chair
Department of Computer Science
Williams College
Williamstown, MA 01267

Review of applications will begin on December 1, 2016, and will continue until the position is filled. Please direct all correspondence to hiring@cs.williams.edu. All offers of employment are contingent upon completion of a background check. Further information is available at http://dean-faculty.williams.edu/prospective-faculty/background-check-policy.

Yahoo Research

Research Scientist

We are looking for PhD Research Scientists with a strong research track record in Applied Machine Learning, Data Mining, Visualization, or related areas.

Details:

https://tas-yahoo.taleo.net/careersection/yahoo_us_cs/jobdetail.ftl?lang=en&job=1644713

Please send CV and research statement to yifanhu@yahoo-inc.com.

Professional Opportunities

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