Tenure-Track Faculty Position in Engineering Informatics and Applied Big Data-Enabled Systems

The Department of Computer Science and the College of Engineering at the University of Georgia invite applications for a tenure-track assistant professor position, starting in August 2016.

Informatics and Big Data-enabled Systems are having a major impact on many diverse areas such as Sustainability (e.g., smart grid, transportation), Health and Wellness, Ecology, Geography, Disaster Management, and Agriculture. The Department of Computer Science and the College of Engineering at UGA seek applications from exceptional candidates in the area of engineering informatics and applied big data systems.

The preferred candidate will have demonstrated abilities in leading or significantly contributing to collaborative research projects that apply informatics to one or more application areas, and will effectively complement existing university expertise in informatics. Specific areas of interest include, but are not limited to, applied big data management analytics and visualization, high performance computing, mobile and sensor-based informatics, Internet of Things, human-computer interfaces, and applied systems security and privacy. A demonstrated record exhibiting leadership traits, effective communication, and the ability to develop innovative collaborative programs across disciplines is required. Candidates should have a Ph.D. degree in Computer Science, Computer Engineering or related fields.

This position is one of nine hires being made as part of the University of Georgia (UGA) President’s Informatics Faculty Hiring Initiative. This initiative supports the campus-wide Georgia Informatics Institute for Research and Education now being launched to strengthen and build research and education in informatics and information security across the entire University. Additional information about the Georgia Informatics Institute can be found at http://columns.uga.edu/news/fulltext/georgia-informatics-institute-for-research-education-takes-shape/. The position’s startup and teaching profile will give the successful candidate an exceptional opportunity to establish an innovative and highly productive research program.

The successful candidate is expected to: (1) establish an outstanding research program recognized nationally and internationally, (2) establish collaborations and partnerships between the Computer Science Department and the College of Engineering as well as with other units on campus such as the College of Agriculture, School of Ecology, College of Public Health, Department of Geography, etc. (3) be an outstanding, inspiring educator who exhibits a strong commitment to teaching excellence at both the undergraduate and graduate levels by creating innovative courses and instructional methodologies in applied big data systems and informatics, and (4) compete successfully for extramural funding to support an active research program and a companion graduate and postdoctoral training program. The candidate will have broad latitude to develop a research program that focuses on applying big data informatics to a variety of application domains.

Department of Computer Science in the Franklin College of Arts and Sciences: Computer Science is a growing and congenial department of 23 faculty. The department has close to 750 undergraduate and over 150 graduate students and offers the B.S., M.S., and Ph.D. degrees in CS. Our faculty cover a broad range of research interests, including big data, distributed information systems, real-time systems, human-computer interaction, databases, vision and
image processing, theory, algorithms, bioinformatics and bio-imaging, simulations, scientific computing, parallel and distributed computing, and artificial intelligence. Additional information is available at [http://www.cs.uga.edu](http://www.cs.uga.edu)

**Engineering at the University of Georgia:** The College of Engineering, formed on July 1, 2012, is building a vibrant academic environment that fosters engineering education in a liberal arts environment and research in areas inspired by real-world problems. While engineering is a UGA tradition dating back to the 1850’s, the College has been formed to grow opportunities for learning, research and outreach at the confluence of disciplines. The College currently has over 50 faculty members and is growing rapidly, planning to add 20-30 new positions in the coming years. Interdisciplinary research, education, and service are promoted by the college’s innovative organization. The College’s research is organized around three interdisciplinary innovation and discovery clusters that enable crosscutting scholarship to address society’s needs: 1) Engineering Secure, Resilient and Sustainable Systems; 2) Advancing Human Wellness, Cognition and Learning; and 3) Developing New Material, Device and Cyber Technologies & Tools. Significant college and university research facilities are available. The College offers eight undergraduate and seven graduate engineering degree programs spanning all engineering fields. Additional information is available at [http://www.engr.uga.edu/](http://www.engr.uga.edu/).

**University of Georgia:** The University of Georgia (www.uga.edu), founded in 1785, is the oldest land-grant university in the nation and the largest university in Georgia, with a student body of over 35,000. It is located in Athens, a charming and historic university town of about 100,000, approximately 65 miles from Atlanta, with mild winters and warm summers. The University boasts a major Performing Arts Center and has one of the largest student athletics recreation facilities in the US. It has been consistently ranked among the top 20 public universities by U.S. News and World Report.

To apply, please go to [http://facultyjobs.uga.edu/postings/416](http://facultyjobs.uga.edu/postings/416)

Please upload a cover letter, curriculum vitae, and short statements of research plan and teaching philosophy (a single PDF is preferable). Please provide name, affiliation and contact information (email) for at least three references.

Complete applications received by November 23, 2015 will be assured of consideration.

The Franklin College of Arts and Sciences, its many units, the College of Engineering, and the University of Georgia are committed to increasing the diversity of its faculty and students, and sustaining a work and learning environment that is inclusive. Women, minorities, protected veterans and individuals with disability are encouraged to apply. The University of Georgia is an EOO/AA institution, and does not discriminate based on race, color, religion, sex, sexual orientation, gender identity, national origin, disability, or protected veteran status.