College of Engineering

Multiple Tenure-Track Faculty Positions in Engineering - Health, Cognition, and Learning

Position: The College of Engineering at the University of Georgia (UGA) aims to be the Nation’s leader in interdisciplinary research and education in health and wellness engineering as well as cognitive systems and learning. Fundamental discovery and engineering innovation from the levels of fundamental biology to cognitive science are rapidly transforming our lives in a broad range of areas extending from advanced prosthetics such as artificial retinas to a new understanding of human factors and learning. The next generation of engineering faculty will need extraordinary talent to educate and to engage in scholarship in order to meet the challenges of the 21st century. The UGA College of Engineering seeks such talent to fill up to three new full-time (academic year) tenure-track positions at the assistant professor rank. The positions will be available January 8, 2016.

Responsibilities: The responsibilities of the successful candidate will be to: (1) establish an outstanding research program recognized nationally and internationally, (2) establish collaborations and partnerships within and outside the College of Engineering as well as industry, (3) be an outstanding, inspiring educator who exhibits a strong commitment to teaching excellence at both the undergraduate and graduate levels, and (4) compete successfully for extramural funding to support research and a companion graduate and postdoctoral training program. The candidate will have broad latitude to develop a research program that focuses on innovations in the targeted areas and advances in basic knowledge, taking a systems perspective to significantly benefit society.

Qualifications: Candidates should have a Ph.D. degree in an Engineering discipline, including but not limited to biomedical engineering, electrical engineering, chemical engineering, or mechanical engineering, or related fields such as engineering education, cognitive science, physics, chemistry or biology. Faculty with research interests in a broad range of topics including biomedical devices and interfaces (e.g. wireless wearable health devices, AI centered device technology, therapeutic/assistive devices, bio-physical and brain-machine interfaces), fundamental discovery (e.g. optogenetics, biological machines, emergent behavior in biological systems), and cognition (e.g. human factors, engineering education, social research in engineering practice settings, and engineering epistemologies) will be considered. A demonstrated record exhibiting leadership traits, effective communication, and the ability to develop innovative collaborative programs is required.

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, in the modern era, UGA engineering has been formed to focus on 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. Facilities include the Bio-nano cleanroom, the Biomedical Microscopy Core, the Bioimaging Research Center, and the Georgia Genomics Facility. The College offers eight undergraduate and seven graduate engineering degree programs spanning all engineering fields. The first state-chartered university in the country, UGA is a land grant and sea grant research university and is located in Athens about 60 miles from Atlanta, with 35,000 students enrolled in 17 schools and colleges and 1,800 faculty. Additional information is available at http://www. engr.uga.edu/.

Application Procedure: Please submit applications at http://facultyjobs.uga.edu/postings/302. Questions related to the positions may be directed to Peter Kner, Email: kner@engr.uga.edu; Telephone: 706-542-8966

Complete applications received by November 20, 2015 are assured of consideration.

THE UNIVERSITY OF GEORGIA IS AN EEO/AA/Vet/Disability Institution