



JOB DESCRIPTION/REQUIREMENTS:

Entry-level Faculty Positions: The Department of Electrical and Computer Engineering at the University of Alabama in Huntsville invites applications for two tenure-track positions at the Assistant Professor level in all areas of Electrical, Computer, and Optical Engineering. Consideration will be given to candidates who have the following areas of research expertise: (a) Electromagnetics in areas such as antennas, space weather, radar, and meta-materials, (b) Controls with specialization in electric power systems (including smart micro grids), robotic systems, and/or aerospace systems, (c) Optical Engineering including optical systems and devices for imaging and sensing, optical energy harvesting, or aerospace applications. Successful applicants will have earned a Ph.D. degree in Electrical, Optical, Computer Engineering, or a closely related discipline. Applicants should demonstrate that they are capable of performing scholarly activities that are strongly supported by externally funded contracts and grants. Applicants should also possess a strong commitment to teach and mentor undergraduate and graduate students and to perform university and professional service.

Experienced-Faculty Position: The Department of Electrical and Computer Engineering at the University of Alabama in Huntsville also invites applications for a tenured position at the rank of Associate or Full Professor in the area of cybersecurity. The successful candidate must have at least five years of research experience in one or more areas of cybersecurity engineering research. These could include but are not limited to critical infrastructure protection such as Supervisory Control and Data Acquisition (SCADA) security, software engineering of formally verified systems or design of secure cyberphysical systems. Applicants must have earned a Ph.D. degree in Computer Engineering (preferred) or in Electrical Engineering or a closely related discipline. Applicants should possess (a) an established record of research publications and externally funded research, (b) a strong commitment to teach and mentor undergraduate and graduate students, and (c) a dedication to university and professional service. A candidate with an appropriate background may also be considered for a position as a UAH research center director.

ABOUT THE DEPARTMENT: The Department of Electrical and Computer Engineering offers the BS, MSE, and PhD degrees in Electrical and Computer Engineering, the MSSE degree, the BS degree in Optical Engineering and the PhD degree in the Optical Science and Engineering multidisciplinary program. The department has 16 tenured/tenure-earning faculty with over 550 undergraduate students and about 180 graduate students.

ABOUT THE COLLEGE: The College of Engineering currently has a research focus that addresses three National Academy of Engineering (NAE) Grand Challenge problems: secure cyberspace; restore and improve urban infrastructure; and engineer tools of scientific discovery. The College of Engineering and the ECE department play an important role in several UAH research thrust areas including (a)



cybersecurity and big data, (b) aerospace and systems engineering, and (c) earth, atmospheric, and space systems. The College enrolls nearly 30% of UAH's undergraduates in ABET-accredited programs in aerospace, chemical, civil, computer, electrical, industrial and systems, mechanical, and optical engineering.

ABOUT THE UNIVERSITY: The University of Alabama in Huntsville, classified as a Very High Research Active institution, offers academic and research programs in the Colleges of Engineering , Nursing, Business Administration, Science and Liberal Arts. Huntsville maintains one of the highest per capita incomes and standards of living in the Southeast. It is a national center of aerospace and high technology research. The Huntsville area is also home to more than 50 Fortune 500 companies, the Hudson Alpha Institute for Biotechnology, and several federal research facilities, including NASA Marshall Space Flight Center and the Army's Missile Defense Agency, Material Command, Aviation and Missile Command, and Space and Missile Defense Command.

APPLICATION DEADLINE: Review of applicants will begin on October 31, 2014 and continue until all positions are filled.

APPLICATION PROCEDURE: Application material (in pdf format) including a cover letter, curriculum vitae, short summary of current research interests (2-4 pages), teaching philosophy (1-2 pages), a vision statement for building a robust and dynamic research program at UAH (2-3 pages), and the names of three references, should be sent to eceseach@uah.edu.