

The University of Alabama Department of Electrical and Computer Engineering (ECE) invites applications for a tenure-track faculty position at the Assistant/Associate Professor levels as an integral part of a College of Engineering focus hire supporting environmental and water resource engineering. The successful applicant will be expected to collaborate closely with research efforts being conducted as a part of the electromechanical systems focus area within the ECE department and the Environmental Institute (<http://ei.ua.edu>). We are particularly interested in candidates that can contribute to research efforts including but not limited to:

- **Electromechanical devices with emphasis on energy scavenging in systems that include applications to tidal and micro-hydro generation**
- **Control system strategies for renewable energy applications including hydro-economic optimization models and impact on water availability, accessibility and quality**
- **Power system analysis, operation, and control with emphasis on the impact of hydroelectric and other generation sources on water resources including generation scheduling and constraints on water quality and other issues**
- **Large scale, energy efficient sensor networks and distributed control methods for monitoring water resources and controlling systems which impact those resources**

Applicants must have a Ph.D. in electrical or computer engineering or a closely related field by the date of appointment. Applicants must show the potential to establish a quality research program, collaborate effectively with other faculty, and excel in teaching at both the graduate and undergraduate levels. For consideration at the Associate or Full Professor levels, applicants must demonstrate a strong external funding and publication record commensurate with this level of appointment.

Applicants should apply online at <http://facultyjobs.ua.edu>. Required application documents include: resume/curriculum vitae, cover letter, teaching philosophy, research/scholarship/creative activities statement, and names of three references. Review of applications will begin immediately. For additional information, please contact:

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The Department of Electrical and Computer Engineering currently serves approximately 400 undergraduate and graduate students. The department offers B.S., M.S., and Ph.D. degrees, with ABET-accredited programs in both electrical engineering and computer engineering. ECE faculty are currently active in three research focus areas: embedded systems, electromechanical systems, and devices and materials and are involved in multidisciplinary research with faculty from several other disciplines. The department will benefit from a major facilities improvement project involving a new science and engineering complex that is currently under construction on campus. More information about the department can be found at <http://ece.eng.ua.edu>.

Established in 1831, the University of Alabama currently serves more than 30,000 students and employs approximately 1,100 faculty in thirteen colleges and schools. The University offers an impressive array of academic programs leading to bachelor's, master's and doctoral degrees and a growing number of educational opportunities through distance learning technology.

The University is located on a beautiful 1,000 acre residential campus in Tuscaloosa, a community of 90,000 in central Alabama. Tuscaloosa is conveniently located between Atlanta, New Orleans and the white sandy beaches of the Gulf coast. The area offers excellent climate, minimal urban congestion and abundant outdoor recreation. The Tuscaloosa community provides rich cultural, educational and athletic activities for a broad range of lifestyles. More information can be found at <http://www.ua.edu> and <http://www.ci.tuscaloosa.al.us/>. The University of Alabama is an equal opportunity employer.