Electrical and Computer Engineering - Hydrology and Hydroinformatics Research - Assistant Professor
University of Alabama

Job Title	Electrical and Computer Engineering - Hydrology and Hydroinformatics Research - Assistant Professor
Department	Electrical and Computer Engineering
	https://ece.eng.ua.edu/
Institution	University of Alabama
	Tuscaloosa, Alabama
Date Posted	Oct. 14, 2024
Application Deadline	Open until filed
Position Start Date	August 2025
Job Categories	Assistant Professor
Academic Field(s)	Water Resources Engineering
	Electrical and/or Electronics
	Computer Engineering
Job Website	https://careers.ua.edu/jobs/electrical-and-computer-engineering-hydrology-and-hydroinformatics-research-assistant-professor-525013-tuscaloosa-alabama-united-states
Apply Online Here	https://careers.ua.edu/jobs/electrical-and-computer-engineering-hydrology-and-hydroinformatics-research-assistant-professor-525013-tuscaloosa-alabama-united-states
Apply By Email	

Job Description

The Department of Electrical and Computer Engineering (ECE) and the College of Engineering at The University of Alabama invite applications for multiple tenure-track faculty positions at all ranks,

including Assistant, Associate, and Full Professor levels in areas related specifically to water research. Applicants applying to this particular posting should be seeking to apply for a position at the rank of Assistant Professor. Candidates with appropriate experience and a strong record of scholarly productivity and impact who would seek appointment at the rank of Associate or Full Professor are also encouraged to apply through related postings at those other positional levels.

The University of Alabama has positioned itself as an international leader in the broad spectrum of critical water challenges and issues facing society today and well into the future. UA is the home to a variety of organizations and units that focus on water-related research including the Alabama Water Institute, the National Water Center, the Global Water Security Center, and the NOAA Cooperative Institute on Research to Operations in Hydrology. While all of these water-related institutes and research centers engage faculty from across The University of Alabama, the UA College of Engineering and its departments and faculty play a central and pivotal role in virtually all aspects of this expansive water research enterprise. As a result, there are tremendous opportunities at The University of Alabama in its various engineering departments and programs for new and established faculty members to join our constantly growing efforts in this exciting, impactful, and critical area.

Candidates with research interests related to hydrologic science and water observations closely aligned with the Alabama Water Institute (AWI) and the Cooperative Institute for Research to Operations in Hydrology (CIROH) (https://ciroh.ua.edu) are encouraged to apply. Candidates will possess expertise in one or more of the following: advanced sensor materials, innovative sampling technologies, intelligent sensor signal processing, next-generation Internet of Things (IoT), smart systems and real-time control, heterogeneous wireless sensor networks, mobile observation platforms, edge computing, and critical infrastructure for water-related research. Candidates may also bring expertise in the areas of image processing, geospatial and statistical analysis, data fusion, and machine learning. A strong background in field studies and experience collaborating with federal agencies (e.g., NOAA, USGS) and the private sector is preferred. The ECE department and College are looking to both: (1) add faculty who will build upon existing strengths in the department, College, University, and CIROH and (2) add faculty who will expand the scope of research here within the department, College, CIROH, and UA as a whole.

The ECE department and College consider teaching, research, and service as the three critical and complimentary portions of their overall mission. Candidates must demonstrate a clear potential to successfully develop, lead, mentor, and extramurally fund a highly productive research group with significant scholarly impact in a focus area with long term potential to further build upon the rapid rise and great success of the ECE department and the College. An ability to collaborate with existing faculty in the key focus areas both within the ECE department and the College, as well as potential colleagues across the campus, is also highly desirable. See https://ece.eng.ua.edu/ for more information.

The department, college and university are notable for the collegial, welcoming and supportive spirit we

demonstrate to our students, faculty, and staff; thus candidates must demonstrate an ability to support this aspect of our community. The ECE department and College also pride themselves on the outstanding educational experience provided to their students, and thus faculty candidates must demonstrate an ability to develop and teach courses at both the undergraduate and graduate levels in the faculty member's area(s) of expertise as well as to teach courses that support the delivery and accreditation of the ECE department's core degree programs.

Appointments to the faculty of The University of Alabama are based on the personnel requirements of the University's academic programs and on the goal of achieving and maintaining excellence in its teaching, research, and service/academic citizenship activities.

EEO/AA Policy

The University of Alabama is an Equal Employment/Equal Educational Opportunity Institution. All qualified applicants will receive consideration for employment without regard to race, color, religion, national origin, sex, sexual orientation, gender identity, gender expression, age, genetic information, disability or protected veteran status and will not be discriminated against because of their protected status. Applicants to and employees of this institution are protected under Federal law from discrimination on several bases. Follow the link below to find out more. "EEO is the Law" https://www.eeoc.gov/overview

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

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