

## **Department of Biosystems Engineering Assistant Research Professor, Biosensors**

The Department of Biosystems Engineering of the College of Agriculture at Auburn University is seeking applications for the position of Assistant Research Professor in Biosensors. This faculty position is a full-time, twelve-month, non-tenure track research appointment renewable annually contingent upon satisfactory performance and funding. Full-time positions are eligible for benefits, including health insurance. The projected start date is June 2024.

**Responsibilities:** The successful candidate will be responsible for developing a research program focused on developing low-cost in-situ and portable sensors capable of real-time measurements. The specific sensor applications of interest include: air quality in confined systems agriculture, indoor and outdoor detection of odor-causing molecules, contaminants in water and soil systems, and monitoring of water bodies. In addition, the successful candidate will mentor biosystems engineering graduate and undergraduate students and produce scholarship through recognized peer-reviewed outlets, secure extramural funding to support his/her research program from external sources such as USDA-NIFA, NSF, and other related federal sponsors, and from relevant industries in Alabama and across the country.

**Qualifications:** Minimum qualifications are an earned Ph.D. from an accredited institution in biosystems, biological, agricultural, environmental, or closely related engineering disciplines by the expected position start date. Candidates should demonstrate research experience in sensor development, especially those targeting agricultural and biological systems. Candidates should also provide documented evidence of the ability to conduct research and ability to work with faculty and students across multiple disciplines. The candidate must possess excellent interpersonal communication, and organizational skills. The incumbent must meet eligibility requirements for work in the United States at the time the appointment is scheduled to begin and continue working legally for the term of employment.

**Desirable qualifications include:** Demonstrated record of securing extramural funding and documented academic and or industrial experiences in bioprocess engineering, ecological engineering, biobased products engineering, and similar topics beyond Ph.D. work. Experience with system-on-chip devices is desirable.

**Application:** Applicants must apply for the position by visiting the link: <https://www.auemployment.com/postings/42267> and attach the following: 1) a cover letter that addresses the experience pertinent to all of the position responsibilities, 2) current curriculum vita, 3) copies of ALL academic transcripts, and 4) a one to two-page statement of research philosophy. When prompted during the on-line process, please provide names, phone numbers and email addresses of three professional references. Only complete applications will be considered. To ensure consideration for the position, applicants must apply by March 15, 2024. Position may remain open until it is filled. Questions concerning the position should be directed to: Dr. Tanzeel Rehman, Search Committee Chair, email: tur0001@auburn.edu.

**The University:** Auburn University is an R1: Doctoral University and one of the nation's premier land, sea and space grant institutions with an enrollment of 33,000 graduate and undergraduate students. The University is located in the city of Auburn in east-central Alabama approximately 100 miles southwest of Atlanta, GA and southeast of Birmingham, AL and is

about 60 miles northeast of the state capital (Montgomery). Auburn has a highly ranked public-school system, a vibrant economy and an excellent quality of life. Auburn University is ranked in the top 50 public universities for its undergraduate programs. Interested applicants are encouraged to visit [www.auburn.edu](http://www.auburn.edu) for more information. Auburn University is understanding of and sensitive to the family needs of faculty, including dual-career couples” <http://www.auburn.edu/academic/provost/facultyjobs/>

**The Department:** The Department of Biosystems Engineering consists of 17 full time faculty who solve problems in biological systems through innovative engineering research, teaching and extension activities. The Department offers B.S., M.S., and Ph.D. degrees in Biosystems Engineering with 215 undergraduate students and 40 graduate students. Recent construction projects have resulted in over 50,000 square feet of new laboratory, classroom and office spaces in the department. More information about the department and Auburn University can be found at [www.eng.auburn.edu/bsen](http://www.eng.auburn.edu/bsen) and at [www.auburn.edu](http://www.auburn.edu) respectively.

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