Assistant Professor
Smart Confined Systems Engineering

The Department of Biosystems Engineering (www.eng.auburn.edu/bsen) of the College of Agriculture at Auburn University is seeking applications for the position of Assistant Professor of Smart Confined Systems Engineering. This faculty position will be a nine-month, tenure-track position with a 60% research and 40% teaching appointment. The projected start date is August 16, 2020.

Responsibilities: The successful candidate will be responsible for developing a nationally recognized program that is focused on development, evaluation, and adoption of smart systems, and innovative sensing and automation methods for animal and plant production in controlled environment. Possible research areas include, but not limited to precision livestock farming for animal well-being and health management, and to improve the productivity of, and yield from confined systems used for animal (e.g. broilers and aquaculture) and plant production. The successful candidate will be expected to secure extramural funding to support his/her research programs and summer salary from sources such as USDA and other related federal sponsors, and from commodity boards in Alabama and across the country. The successful candidate will also be expected to collaborate effectively with departmental faculty, and extensively with colleagues within the College of Agriculture who conduct research and extension work in livestock and plant production. Instructional responsibilities will include teaching existing precision agriculture courses as well as developing new courses in agric-industrial electrical applications, agri-industrial electronics and controls, agricultural data acquisition, data management, data analytics, and automation courses. In addition, the successful candidate will provide career counseling for biosystems engineering students; transfer results of the scholarly program through recognized and peer reviewed outlets; and provide leadership to the profession through state and national professional society participation. In addition, departmental, college, and university committee service will be expected.

Qualifications: Minimum qualifications include an earned Ph.D. from an accredited institution in biosystems, biological, agricultural, or closely related engineering disciplines by the expected position start date. Documented evidence of individual and/or collaborative research and teaching in smart systems for confined plant and animal production, and related topics resulting in peer-reviewed publications is required. Candidates should be able to demonstrate the ability to work cooperatively with colleagues across disciplines and develop a collaborative research program. The successful candidate must possess excellent written and interpersonal skills to effectively interact with diverse audiences. The successful candidate 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: research and teaching experiences in agricultural and forest machine systems, precision agriculture and forestry, input stewardship, data management, automation of agricultural and forest operations, and data-driven decision analysis for complex agricultural, forest and biological systems.; postdoctoral and/or industry experience; and professional engineering registration or the ability to pursue licensure as a Professional Engineer.

Application: Applicants must apply for the position by visiting the link: https://aufacultypositions.peopleadmin.com/posting/3718 by August 30, 2019. Documents required of candidates applying for the position include: 1) cover letter that addresses the experience pertinent to the responsibilities of the position, 2) current curriculum vita, 3) copies of ALL academic transcripts, 4) statement of research interests and accomplishments, and 5) statement of teaching philosophy. When prompted during the on-line process, please provide names, phone numbers and email addresses of three professional references. Only complete application materials will be considered. Questions about the position should be directed to: Dr. Oladiran Fasina, Department Head (fasinoo@auburn.edu) or Dr. William Batchelor, Search Committee Chair (wdb0007@auburn.edu).

The University: Auburn University is a Carnegie R1 research institution and one of the nation’s premier land, sea and space grant institutions with an enrollment of more than 30,000 graduate and undergraduate students. Auburn University is ranked in the top 50 public universities for its undergraduate programs and its College of Engineering is ranked 38th among public institutions offering doctoral programs. The University is located in the city of Auburn in east-central Alabama along the rapidly develop I-85 corridor, approximately 100 miles southwest of Atlanta, GA and southeast of Birmingham, AL and is about 60 miles northeast of the state capital (Montgomery). Auburn residents enjoy a thriving community, recognized as one of the “best small towns in American” with moderate climate and easy access to major cities or to beach and mountain recreational facilities.

The Department: The Department of Biosystems Engineering consists of 14 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 181 undergraduate students and 30 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 and at www.auburn.edu respectively.

Auburn University is an EEO/Vet/Disability Employer