November 13, 2019

Graduate Research Assistantships

The Department of Biosystems Engineering (BSEN) at Auburn University is seeking applications for M.S. Graduate Research Assistant positions to conduct innovative research in cyber-physical systems for agriculture and forestry. The positions start in Fall 2020.

Responsibilities: The successful candidates will be responsible for fulfilling the degree requirements of the Biosystems Engineering M.S. program, and conduct research in a timely manner. The successful candidates will focus on developing sensing and automated systems for one of two areas: 1) pine tree seedling counting and pine tree morphology characterization; 2) precision phenotyping of livestock biomechanics and behavior.

Qualifications: The candidates should have:
- An earned B.S. in Biosystems/Biological/Agricultural Engineering, Mechanical Engineering, Computer Engineering, Electrical Engineering, or closely related engineering disciplines by the expected start date.
- Sufficient credentials:
  - GPA > 3.0; GRE test scores;
  - TOEFL > 79 with each subcomponent > 16 or IELTS > 6.5 for international students.
- Strong oral and written communication skills.
- Experience in one or more of the following areas:
  - programming (Python, C/C++, Matlab);
  - circuit design, instrumentation, and embedded systems;
  - computer vision, machine learning, and deep learning;
  - robotics and Robot Operating System (ROS);
  - 3D design (SolidWorks, Inventor, AutoCAD) and 3D printing;
  - web development.

Salary: The successful candidate will receive a monthly stipend, a tuition waiver, and health insurance.

Application: Please email a CV and copies of test scores and transcripts to Dr. Yin Bao at yzb0016@auburn.edu