MISSISSIPPI STATE UNIVERSITY™
DEPARTMENT OF AGRICULTURAL AND BIOLOGICAL ENGINEERING

Graduate Assistantship (M.S./Ph.D.) Available in Agricultural/Biological Engineering

POSITION DESCRIPTION

Mississippi State University is inviting applications for M.S./Ph.D. level Graduate Research Assistantship (GRA) in the Department of Agricultural and Biological Engineering (https://www.abe.msstate.edu/). The GRA cover tuition and insurance and living stipends and is renewed annually. The anticipated start date is Summer or Fall 2022. The successful candidate will work with Dr. Yuzhen Lu, on original research broadly within the field of **non-destructive sensing, automation/robotics, and advanced data analytics for agriculture-food systems**. Potential research topics include but are not limited to spectroscopy and imaging, inspection and sorting of agricultural and food products, machine learning and robotics for plant phenotyping and precision management, and artificial intelligence (AI) and internet of things (IoT) in plant/animal production. The successful candidate needs be creative, self-motivated and has a strong desire to learn new skills and collaborate in a multidisciplinary environment and will be expected to communicate research results through peer-reviewed publications and give presentations at conferences.

QUALIFICATIIONS SOUGHT

- Students should earn a B.S./M.S. degree in ***Agricultural/Biosystems Engineering***, ***Electrical Engineering***, ***Mechatronics***, ***Computer Science/Engineering***, ***Optics***, or other related fields, with a 3.0 or higher GPA;
- Students proficient in **computer programming** (e.g., Python, Matlab, C++/C, Qt), with experience in **image analysis**, **machine learning**, or **robotics**, with demonstrated research abilities (e.g., research reports or peer-reviewed publications);
- Students should have demonstrated excellence in English writing and communication skills
- Students with non-English credentials must obtain a TOEFL score of 79 iBT or IELTS score of 6.5 or higher (GRE may be waived)

APPLICATION PROCEDURES

Please contact Dr. Yuzhen Lu, if you are interested in this position. A full application for an official offer to be made should include a cover letter describing the applicant's research interest, a CV, transcripts, test score(s), writing examples and a list of three references including names, email, address, and telephone number. Review of applications will begin immediately and continue until the position is filled. Video conference interviews will be requested for potential candidates. Successful applicants will need to apply to the Graduate School at Mississippi State University. **The application deadline for 2022 summer is March 1 (international) or for 2022 Fall is May 1 (international) and August 1 (domestic)**.

Please visit the website https://www.grad.msstate.edu/students/admissions for application details.

CONTACT

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About MSU

Mississippi State University (MSU, www.msstate.edu) is a public, Land-Grant, Sea-Grant research university founded in 1878, adjacent to Starkville, Mississippi. At Mississippi State University, we believe in getting personal. Our university provides the academic, leadership, and social opportunities to help each person excel. Your success—in whatever field of study or career goal—is our success. We take that mission seriously. Here, faculty, staff and students share a common goal: to make the Mississippi State University experience a lifetime opportunity.