Postdoc Research Scholar Position in
Real-Time Machine Vision Technology for Specialty Crops

POSITION DESCRIPTION

The research group of Bio-Sensing & Automation in the Department of Agricultural and Biological Engineering at Mississippi State University, is inviting applications for a Postdoc Research Scholar position. The selected candidate will work with Dr. Yuzhen Lu (https://www.yuzhenlu.com/), on nationally funded research focusing on developing innovative machine vision technology for real-time and online quality grading and sorting of specialty crops. The candidate is expected to engage in the design and assembly of machine vision and sorting systems, develop computer algorithms for real-time acquisition and analysis of images from specialty crop products and graphical software for visualization and system control, and perform system integration and testing. The candidate may also work on other research projects and or develop grant proposals as appropriate. The candidate is expected to publish and present research findings at peer-reviewed journals and scientific conferences.

The initial appointment for the position will be for one year, with possibility for extension. The salary will be commensurate with the candidate's academic training and experience. This position can be started with flexibility in Fall 2022 or Spring 2023.

QUALIFICATIONS

- The candidate must have a PhD degree in Biosystems/Agricultural Engineering, Computer Science, Electrical Engineering, Mechanical Engineering, or related engineering fields.

- Demonstrated research experience (e.g., peer-reviewed publications) in image processing/computer vision and deep learning is necessary

- Programming proficiency in OpenCV (C++) and Qt is highly desired

- Experience in sensors, electronics and microcontrollers is plus

- Quick learner, problem solver, good working ethics, etc.

CONTACT

If you are interested in applying for the position, please submit a cover letter describing research experience and qualifications, updated CV, and the contact information for three references, to Dr. Yuzhen Lu at yl747@msstate.edu or luyuzhen@msu.edu. Review of applications will commence immediately and proceed until the position is filled.