Postdoc and Ph.D. Positions at North Carolina State University

POSITION DESCRIPTION

One postdoctoral researcher and two fully funded Ph.D. student positions are available in Dr. Lirong Xiang's group in the Department of Biological and Agricultural Engineering at North Carolina State University. Prospective postdoc and doctoral students will pursue research in areas related to **robotics, machine vision, and artificial intelligence in agricultural applications**. The anticipated start date is Fall 2022, Spring 2023, or Fall 2023. For the postdoc position, the minimum salary will be $52K/year plus benefits and health insurance; the initial contract is one year, with the possibility for extension based on the availability of funding. The Ph.D. positions will provide stipends ($30K-$31K/year), tuition coverage, health insurance, and travel support for conferences.

QUALIFICAITONS

- An Ph.D. or met all Ph.D. requirements (for postdoc position) or B.S. /M.S. (for Ph.D. position) in Agricultural Engineering, Computer Engineering, Electrical Engineering, Mechanical Engineering, or other closely related disciplines.
- Experience or interest in at least one of the following areas:
  - Robotics and automation
  - Computer vision
  - Machine learning, deep learning
  - Mechanical design
  - Electrical design
- Strong programming skills (e.g., C/C++, Python, MATLAB)
- Strong oral and written communication skills
- Minimum requirements for Ph.D. position:
  - GPA > 3.0
  - TOEFL > 80 with each section 18 or higher (if applicable)

HOW TO APPLY

If you are interested in any of those positions, please email your CV to Dr. Lirong Xiang at l**xiang3@ncsu.edu**. Review of applications will begin immediately and continue until the positions are filled. Selected applicants will be contacted and interviewed virtually. A full application for the Ph.D. position should include a CV, transcripts, test score(s), personal statement, and three recommendations. More information about the application can be found at https://www.engr.ncsu.edu/admissions/.

ABOUT NCSU

NC State University is a public land-grant research university in Raleigh, North Carolina. The university forms one of the corners of the Research Triangle together with Duke University in Durham and the University of North Carolina at Chapel Hill. It is classified among "R1: Doctoral Universities – Very high research activity". In the 2022 U.S. News and World Report rankings, NCSU was ranked #26 in Best Engineering Schools and #3 in Best Biological/Agricultural Engineering Programs; Raleigh, NC was ranked #2 in Best Places to Live in the U.S.