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The University of Florida Agricultural and Biological Engineering Department (https://abe.ufl.edu/) is looking for a motivated individual to join the Agricultural Robotics and Mechatronics Group as a Post-doctoral Researcher under the supervision of Dr. Tom Burks at the University of Florida (Department of Agricultural and Biological Engineering) in Gainesville, FL. The selected candidate will work primarily in the area of Artificial Intelligence (AI) for Machine Vision Applications, embedded and edge computing, machine vision using visible, hyper-spectral, multi-spectral, and thermal imaging platforms applied towards automation, robotics (including UAVs), mechatronics, and precision farming technologies. Primary responsibilities include developing integrated hardware and software for embedded and edge AI systems for agricultural production and food safety applications.

Daily responsibilities will include designing and implementing embedded and edge AI to solve challenging vision-based applications in food production and/or food processing, collecting and analyzing data, and publishing research results in two or more referred publications per year. The postdoc may also participate in some teaching responsibilities that may include guest lecturing, developing topic modules for instruction, implementing AI-based programming assignments and validating results. Applicants should have strong English verbal and written communication skills as well as demonstrated referred journal articles in relevant topics.

The applicant should have a Ph.D. in either Agricultural, Mechanical, Electrical, or Computer Engineering, or closely related field (AI, ML, robotics, machine vision) with previous research experience, academic background, and publications in various areas such as artificial intelligence, embedded systems, machine vision, hyper-spectral imaging, robotics, autonomous systems, remote sensing, IoT, and precision farming technologies is preferred. Hardware and software integration experience in machine vision, AI/ML and embedded devices mandatory.

The position is open for immediate hiring if qualified candidate found and will remain open till candidate hired. The position should be filled between January 1, 2024 and May 31, 2024. Applications will be accepted until a hiring decision is made.

Application: The application package should include, 1) an application letter detailing candidate's qualifications and experience relative to the position description, 2) curriculum vitae, 3) list of publications **with role played**, 4) PDF of two relevant publications in English where **candidate played the major role**, and unofficial transcripts, and 5) Two letters of recommendations from professionals including PhD committee chairman and one other. For questions, contact Dr. Burks at **tburks@ufl.edu** . Send the application package by email to this address with the subject line, “Applicant for Post Doctorate Position”. The candidate should be available for a zoom interview to be scheduled as soon as possible after receipt of application package.