



**Assistant Professor of AI-enabled Robotics and Automation for Biological Systems**  
**Department of Biological and Agricultural Engineering**  
**College of Agriculture and Environmental Sciences**

**Open Date:** December 30<sup>th</sup>, 2024 or as soon as recruitment plan is approved

**Initial Review Date:** February 28<sup>th</sup>, 2025 11:59 PM PST – Must complete application and apply by this date to ensure full consideration.

**Final Review Date:** June 30<sup>th</sup>, 2025 by 11:59 PM PST – Applications will continue to be accepted until this date, but those received after the initial review date will only be considered if the position has not yet been filled.

**Description**

As part of UC Davis' commitment to hire leading research faculty with an outstanding commitment to teaching, research and service that will promote the success of historically underrepresented and marginalized student communities and address the needs of our increasingly diverse state and student population, College of Agriculture and Environmental Sciences, at the University of California announces an Assistant Professor of AI-enabled Robotics and Automation for Biological Systems faculty position in the Department of Biological and Agricultural Engineering.

This is an academic year (9-month), Assistant Professor tenure-track position with teaching, research, outreach/engagement and service responsibilities and includes the expectation that the appointee will conduct mission-oriented research and outreach/engagement of relevance to the California Agricultural Experiment Station (<https://caes.ucdavis.edu/research/aes>).

Applications are encouraged from candidates with a strong background in machine learning and AI algorithms for advanced perception, intelligent actuation, and robotic manipulation, and their integration for applications in the agricultural, natural resource, food, biotechnology, and related sectors. The appointee will be responsible for teaching undergraduate courses in the Agricultural and Environmental Technology major, and undergraduate and graduate courses in the Biological Systems Engineering program, be actively involved in student advising and mentoring, curricular development, and department, University, and professional service. The appointee is also expected to guide and mentor graduate students and participate in research and outreach/engagement programs consistent with the mission of the California Agricultural Experiment Station.

Criteria for appointment include a Ph.D. degree or equivalent in an engineering discipline or in Computer Science, in areas related to perception, robotics or automation (Ph.D. must be completed at start of appointment); a record of excellence in scholarly research, and demonstrable potential to establish a competitively-funded research program; experience with designing, building and deploying robotic, mechatronic or automated systems in real-world

agricultural production. B.S. degree or equivalent in engineering is preferred. Post-doctoral experience is preferred.

As one of the country's leading R1 institutions, UC Davis seeks candidates with **exceptional record and potential for research, teaching, and inclusive excellence**. In addition, the successful candidate will demonstrate an understanding of the barriers preventing full participation of members from historically underrepresented and marginalized student communities in higher education, such as (but not limited to) women, underrepresented minorities, individuals self-identifying as LGBTQIA+, veterans, individuals with disabilities, economically disadvantaged groups, first-generation, undocumented students, or students with any intersections in between. Successful candidates will help advance UC Davis' strategic goal of **improving access and building an inclusive community** for all marginalized populations. The successful candidate also will have an accomplished track record (calibrated to career stage) of teaching, research, or service activities addressing the needs of underrepresented minorities, and a clearly articulated vision of how their work at UC Davis will continue to contribute to the University's mission of serving the needs of our diverse state and student population. **Applicants' track record of engagement and activity related to diversity, equal opportunity, and inclusion as well as their plans for future engagement will be a significant part of the overall evaluation of the candidate's qualifications for a faculty appointment.**

Applicants should submit materials via the following website: <https://recruit.ucdavis.edu>. Additional inquiries can be directed to the Recruitment Advisory Committee chair, Prof. Stavros G. Vougioukas, at [svougioukas@ucdavis.edu](mailto:svougioukas@ucdavis.edu) (530-7521890). The position will remain open until filled but to ensure consideration, applications should be received by February 28, 2025.

### **Application Requirements**

Ph.D. degree or equivalent in an engineering discipline or in Computer Science, in areas related to perception, robotics or automation. The Ph.D. must be completed by the time of hire. B.S. degree or equivalent in Engineering is preferred. Post-doctoral experience is preferred. Experience with real-world deployment of robotic or automated systems in agricultural production systems is preferred. Evidence of research excellence is expected. The candidate should have the ability to develop and instruct undergraduate and graduate courses and the ability to develop and conduct extramurally funded research in AI-enabled robotics and automation for biological systems.

**Review of applications will begin after February 28<sup>th</sup>, 2025, but applications may be accepted until the position is filled.**

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Application packages should be submitted online through <https://recruit.ucdavis.edu/06895> and should include the following documents:

- 1) Curriculum Vitae including Publication List
- 2) Up to Three Publications
- 3) Transcripts (if the applicant is within five years of Ph.D. degree)

- 4) Statement of Research Accomplishments and Future Research Plans Relevant to AI-enabled robotics and automation for Biological Systems
- 4) Statement of Teaching Accomplishments and Philosophy
- 5) Statement of Contributions to Diversity, Equity, and Inclusion
- 6) Four Professional References
- 8) Authorization to Release Information form - A reference check will be completed only if you are selected as the first-choice candidate. Download, complete, sign, and upload the form: <https://aadoocs.ucdavis.edu/your-resources/forms-and-checklists/forms/ARF.pdf>

Guidance to candidates on how to prepare statements is available at:

<https://academicaffairs.ucdavis.edu/guidelines-writing-diversity-statement>

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We encourage applicants to explore the [College](#), [Department](#), and [Campus](#) websites for background and context. Please ensure the application materials show clearly how applicant's history and experience match both the minimum and desirable qualifications stated above.