Assistant Professor - Smart Ag Production Systems Engineering
Michigan State University

Job Title	Assistant Professor - Smart Ag Production Systems Engineering
Department	Biosystems and Agricultural Engineering https://www.canr.msu.edu/bae/
Institution	Michigan State University East Lansing, Michigan
Date Posted	Jan. 28, 2025
Application Deadline	Open until filled
Position Start Date	Aug. 16, 2025
Job Categories	Assistant Professor
Academic Field(s)	Agricultural Engineering - Other
Job Website	https://careers.msu.edu/jobs/assistant-professor-tenure-system-east-lansing-michigan-united-states-d90d68b6-878d-422f-9529-431e3ce98318
Apply Online Here	https://careers.msu.edu/jobs/assistant-professor-tenure-system-east-lansing-michigan-united-states-d90d68b6-878d-422f-9529-431e3ce98318
Apply By Email	
Job Description	

Position description: The Department of Biosystems and Agricultural Engineering (BAE) at Michigan State University (MSU) invites qualified applicants for a full-time academic year, tenure-system Assistant Professor position with 60% research, 30% teaching, and 10% service assignment. The

Assistant Professor - Smart Ag Production Systems Engineering
Michigan State University

position start date is anticipated to be August 2025.

The successful candidate is expected to build a nationally recognized, extramurally funded research program, and to collaborate effectively with the biosystems and agricultural engineering faculty, and extensively with colleagues within the College of Agriculture and Natural Resources, the College of Engineering, and other departments on campus, as well as with outside stakeholder groups. The program should take a systems approach to addressing agricultural sustainability in response to the impact of climate change and labor shortages in agriculture to improve productivity and resiliency of production agriculture. The successful candidate will develop a collaborative program with faculty with expertise in such areas as sensors/sensing, machine vision, artificial intelligence, big data and data analytics, and internet of things (IoT), with emphasis on automation and mechanization in crop and animal production systems and management

Successful candidates also must be able to demonstrate training/experience sufficient to teach core undergraduate biosystems engineering courses including a course in *Precision Agriculture* in the recently launched minor in Smart Agricultural Systems, as well as graduate-level courses in their area of expertise. In addition to sustaining an active research program, the faculty will be responsible for teaching and mentoring graduate/undergraduate students, serving on departmental, college, and university committees, and engaging in service through professional networks and organizations.

Required qualifications: An earned Ph.D. in Biosystems/Biological/Agricultural or Systems Engineering or closely related field relevant to the priority areas above and a demonstrated record of research and teaching experience. Candidates should be able to demonstrate the ability and commitment to work cooperatively with colleagues across disciplines and develop a collaborative scholarly program at the intersections of engineering and agricultural sciences.

Desired qualifications: The successful candidate should demonstrate:

- Capability to develop a scholarly program at the interface of engineering and agricultural sciences.
- Evidence of commitment and dedication to teaching and mentoring a diverse student population preparing for careers in academia, industry, or government.
- A record of research funding or demonstrated potential to secure competitive funding from agencies such as the USDA NIFA, NSF, foundations, private industry, etc.
- Evidence of peer-reviewed publications and the ability to establish stakeholder partnerships.
- Interest in engaging external stakeholders in program development and implementation.

The Department of Biosystems and Agricultural Engineering (BAE):BAE is a national leader in

Assistant Professor - Smart Ag Production Systems
Engineering
Michigan State University

education, research, and outreach in the discipline, with nationally ranked undergraduate and graduate programs in biosystems engineering. The department has been fully engaged in meeting the changing needs of society since 1906, with a current mission *to improve the quality of life by integrating and applying principles of engineering and biology to systems involving food, environment, energy, and health*.

Salary and Benefits: Salary will be commensurate with qualifications. MSU offers a generous benefits package (details at https://hr.msu.edu/benefits/index.html).

To Apply: For consideration, submit your application online at http://careers.msu.edu. Upload the following required documents: a) letter of interest that includes qualifications for the position; b) statement of research and teaching philosophy highlighting how your experiences align with the position (2-page maximum); c) current curriculum vitae; d) a description of how you will contribute to CANR's positive culture, fair access to resources, and creating a sense of belonging; and e) contact information for three professional references. Incomplete applications will not be considered.

Review of Applications: The search committee will begin reviewing applications on February 17, 2025 and continue until a suitable candidate is selected.

EEO/AA Policy

Commitment to Creating a Sense of Belonging:

Michigan State University occupies the ancestral, traditional, and contemporary Lands of the Anishinaabeg – Three Fires Confederacy of Ojibwe, Odawa and Potawatomi people. The University resides on Land ceded in the 1819 Treaty of Saginaw.

Michigan State University is dedicated to achieving excellence by fostering an environment that welcomes a broad range of perspectives and experiences, ensuring that all individuals have the opportunity to contribute and thrive. We are an equal opportunity / affirmative action employer. The CANR is particularly interested in candidates of all backgrounds who are committed to the principle that academic excellence is achieved through open access and proactive inclusion. Candidates are invited to view Biosystems and Agricultural Engineering Community Norms at Diversity, Equity, and Inclusion - Department of Biosystems & Agricultural Engineering.

Assistant Professor - Smart Ag Production Systems Engineering
Michigan State University

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Ajit Srivastava
Biosystems and Agricultural Engineering
Michigan State University
524 S Shaw Lane
Farrall Hall
East Lansing, MI 48824

Contact E-mail srivasta@msu.edu