

Space Electronics Faculty
Michigan State University

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Posted Oct. 31, 2025, set to expire Mar. 2, 2026

Job Title	Space Electronics Faculty
Department	College of Engineering
Institution	Michigan State University East Lansing, Michigan
Date Posted	Oct. 31, 2025
Application Deadline	Open until filled
Position Start Date	August 16, 2026
Job Categories	Assistant Professor Associate Professor Professor
Academic Field(s)	Aerospace/Aeronautical/Astronautics Electrical and/or Electronics
Apply Online Here	https://careers.msu.edu/jobs/assistant-associate-full-professor-tenure-system-east-lansing-michigan-united-states-e18c0334-b19b-49c9-a06c-5ed98f0e1c5b
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Job Description	

Space Electronics Faculty

College of Engineering

Position Summary

The [College of Engineering](#) at [Michigan State University](#) (MSU) invites applications for multiple tenure-system faculty positions in all areas related to Space Electronics. We encourage applications for appointment at the rank of Assistant Professor and will consider exceptional candidates for

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appointment at the rank of Associate or (Full) Professor. These positions are supported through Michigan State University's [Global Impact Initiative](#), designed to address global grand challenges and national priorities through the creation of over 100 new faculty positions in some of the most promising – and critical – fields of research.

Candidates must have earned a PhD in Electrical Engineering or a discipline related to Space Electronics at the time of appointment, with an anticipated start date of **August 16, 2026**. Successful candidates will be expected to develop a sustainable, externally funded, and internationally recognized research program; contribute significantly to their discipline through scholarly work; demonstrate effective teaching and mentorship of both undergraduate and graduate students; participate in institutional and professional service; and contribute to the university's land-grant mission. Faculty appointments are expected to reside primarily within the College of Engineering; however, appointments in other colleges or academic units may be made, depending on the candidate's expertise and interdisciplinary alignment. Joint appointments will be considered as appropriate. Candidates are encouraged to describe how their research complements and enhances existing strengths across Michigan State University.

All areas of research specialization will be considered, with a particular interest in candidates whose work has the potential to impact space electronics and aligns with the [MSU Space Electronics Initiative](#), in close collaboration with the on-campus [high-energy ion test facilities](#).

Highly encouraged areas of research include:

- Space applications and space readiness for emerging materials and processes
- Concepts, devices, and circuits advancing state-of-the-art semiconductors, including (but not limited to):
 - Wide band gap devices
 - Silicon photonics
 - Other photonic IC platforms for space applications
- Heterogeneous microsystem integration and packaging of semiconductors and chiplets
- Radiation and temperature effects on next-generation materials and electronics applications

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The position involves participation in export-controlled research, requiring eligibility for facility access, testing of export-controlled parts, and compliance with technology export controls and federal sponsor requirements. Therefore, the successful candidates must be U.S. citizens or permanent residents at the time of appointment. Other qualifications include strong leadership and interpersonal skills, excellent written and oral communication abilities, and the ability to work effectively in a collaborative research environment. Successful candidates will be appointed to an academic-year position in the tenure system, with the potential for tenure, if appropriate. Successful candidates are expected to elevate the reputation of MSU through their professional activities.

Required Application Materials

Interested individuals should apply for this position through <http://careers.msu.edu> and refer to posting 1089778. The application must include the following materials:

1. A detailed CV
2. A cover letter summarizing your qualifications
3. A one-page teaching vision statement
4. A one-page research vision statement
5. Names and contact information for at least three professional references

Candidates are encouraged to describe the potential impact of their work and how it aligns with the existing strengths of the Departments, College, or other programs at MSU.

Special Instructions to Applicants

Review of applications will occur monthly, beginning December 15, 2025, and will continue until the position is filled. Questions about this position are welcome and should be directed to the search committee chair by email at space-electronics@egr.msu.edu

About The College of Engineering

For over 130 years, the MSU College of Engineering has advanced, shared, and applied engineering knowledge to address society's most pressing challenges. Guided by Michigan State University's land-grant mission, we are dedicated to preparing exceptional graduates, conducting breakthrough research, and driving innovations that serve the public good—improving lives locally and globally. With annual research expenditures of \$64 million, the college offers world-class facilities, resources, and support to push the boundaries of discovery and application.

Our eight departments span a wide range of disciplines with strengths in computational sciences, energy, health, manufacturing, materials, mobility, security, and sustainability. Collaboration is at the

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heart of our work, spanning departments, other colleges, and an extensive global network of research partners. With a strong tradition of mentorship and a culture that values creativity, impact, and service, the MSU College of Engineering provides an environment where faculty can thrive.

About Michigan State University

At Michigan State University, discovery doesn't stop at the classroom door. As one of the nation's leading R1 research universities and a proud land-grant institution, MSU blends academic excellence with a mission to make a difference in communities near and far. Our park-like campus in East Lansing offers more than just a place to work—it's a hub of innovation, collaboration, and Spartan spirit.

Just steps away from Michigan's capital city, Lansing, the region offers the best of both worlds: a diverse metropolitan area of more than 540,000 people with cultural opportunities, thriving neighborhoods, and highly rated schools. Whether you're enjoying the arts, cheering on Big Ten athletics, or exploring nearby lakes and trails, East Lansing is a place where work, life, and community come together.

MSU Statements

Michigan State University has been advancing the common good with uncommon will for more than 160 years. One of the top research universities in the world, MSU pushes the boundaries of discovery and forges enduring partnerships to solve the most pressing global challenges while providing life-changing opportunities to a diverse and inclusive academic community through more than 200 programs of study in 17 degree-granting colleges.

Required Degree

Doctorate – Candidates must have earned a PhD in Electrical Engineering or a discipline related to Space Electronics.

Minimum Qualifications:

PhD in Electrical Engineering or a discipline related to Space Electronics

Candidates must be U.S. citizens or permanent residents at the time of appointment

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Contact Information

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

Contact

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