

Electrical and Computer Engineering, Michigan State University Faculty Position in Experimental Accelerator Technology

Join Michigan State University's Global Impact Initiative, designed to address the grand challenges through the creation of over 100 new faculty positions in some of the most promising and exciting fields of research. We welcome applicants from diverse backgrounds. MSU offers an inclusive and collaborative work environment. To learn more, visit research.msu.edu/global-impact.

The Department of Electrical and Computer Engineering (ECE) at Michigan State University invites applications for a tenure system faculty position in the broad areas pertaining to experimental accelerator technology. Applicants must have a Ph.D. in Electrical Engineering or a related field, with expertise in, but not limited to technologies related to design of compact accelerators and components, viz, charged particle beam optics, ion sources, design of cavities and structures, electron cloud and plasma effects, and high voltage engineering. Areas of interest also include accelerator technology advancement as applied to imaging, medicine and diagnostics.

The successful candidate will be expected to collaborate with colleagues within the ECE Department, the College of Engineering, National Superconducting Cyclotron Laboratory and Facility for Rare Isotope Beams to complement a world class accelerator program. All applications must demonstrate evidence of strong research potential, interest in both undergraduate and graduate teaching, and a commitment to teamwork. This position is targeted at the junior faculty level, but senior candidates with outstanding credentials will be considered.

The ECE department has strong interdisciplinary research and educational programs on a foundation of core electrical and computer engineering disciplines and provides first-class education while engaging in research at the frontiers of knowledge. The Department has 56 faculty members, including two National Academy of Engineering members, 18 IEEE Fellows, 13 NSF CAREER and 2 DARPA YFA awardees. The Department has strong research programs in all major areas of electrical and computer engineering, with annual research expenditures of about \$16M. Faculty in the Department are leading several federal and industry-supported centers, including the NSF Science and Technology Center BEACON, and the Fraunhofer Center for Coatings and Diamond Technologies. The Department has accredited B.S. degree programs in both Electrical Engineering and Computer Engineering. The current enrollment is approximately 220 full-time graduate students and 833 undergraduate students.

For additional information about the ECE Department, please see: <http://www.ece.msu.edu>.

MSU enjoys a park-like campus with outlying research facilities and natural areas. The campus is adjacent to the city of East Lansing and the capital city of Lansing. The Lansing metropolitan area has a diverse population of approximately 470,000. Local communities have excellent school systems and place a high value on education. Michigan State University is pro-active in exploring opportunities for employment for dual career couples, both inside and outside the University. Information about MSU's dual career support can be found at <http://miwin.msu.edu/>.

Information about WorkLife at MSU and the College of Engineering can be found at <http://www.egr.msu.edu/WE>.

Interested individuals should submit an application through: <http://jobs.msu.edu/> and refer to position #4203. Applicants must submit a detailed resume, a cover letter summarizing their qualifications, vision statements for teaching and research, and the names and contact information for five references. Applications will be reviewed on a continuing basis until the position is filled. For full consideration, applications should be received before March 1st, 2017. Nominations or questions are welcome by contacting the search committee chair through email at ece-accel-facultysearch@egr.msu.edu.

Michigan State University has been advancing the common good with uncommon will for more than 160 years. A member of the Association of American Universities, MSU is a research-intensive institution with 17 degree-granting colleges.

MSU is an affirmative-action, equal opportunity employer. MSU is committed to achieving excellence through a diverse workforce and inclusive culture that encourages all people to reach their full potential. The university actively encourages applications or nominations of women, persons of color, veterans, and persons with disabilities.