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Chemical Engineering & Materials Science

Faculty Position in Polymers and Composite Materials

The Department of Chemical Engineering and Materials Science in the College of Engineering at Michigan State University invites applications for a tenure system faculty position in the area of polymers and composite materials with a preferred start date of August 16, 2017. Candidates must have an earned PhD in Chemical Engineering, Polymer Science and Engineering or a related field, with expertise in all areas of polymer processing, additive manufacturing, other composites manufacturing, computer-aided design for polymer composites manufacturing, bio-based and biodegradable polymers, composites and polymer blends. Candidates will be considered at the assistant, associate, and full professor levels. The candidate is expected to establish a sustainable research program, make significant scholarly contributions to their discipline, be an effective teacher and mentor of both undergraduate and graduate students, and engage in institutional and professional service.

The successful candidate is expected to demonstrate the ability to build a world-class, interdisciplinary, externally-funded research program complementing or extending the existing strengths of the department including recent hires in the area of polymeric and composite materials, while enhancing strategic areas for future growth. The successful candidate must also be capable of teaching polymer science and engineering courses at the undergraduate and graduate level, with particular emphasis on engineering courses. MSU has a long established research thrust in polymers and composites supported by several established faculty with strengths in composite interfaces, nanocomposites, biobased polymers, reactive extrusion, polymer processing, rheology, and characterization of polymers and composites. MSU also has in place an extensive infrastructure for the fabrication and characterization of polymers and composite materials housed in the Composite Materials and Structures Center and the Composite Vehicle Research Center. The University is a major stakeholder in the new Institute for Advanced Composites Manufacturing Innovation, IACMI, which has over a hundred companies as members and is funded by the US Department of Energy with the goal of achieving lighter and more energy efficient composites in vehicles, wind turbines and compressed natural gas storage.

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 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. Visit www.miwin.msu.edu/ for dual career information and www.egr.msu.edu/WE for WorkLife at MSU.

Interested individuals should submit an application for this position through: <http://jobs.msu.edu/> and refer to position #4149. 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. For full consideration, applications should be received before December 1, 2016. Applications will be reviewed on a continuing basis thereafter until the position is filled. Nominations or questions are welcome by contacting the search committee chair Professor K. Jayaraman through email at jayarama@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 and is committed to achieving excellence through cultural diversity. The university actively encourages applications and/or nominations of women, persons of color, veterans and persons with disabilities. Job applicants are considered for employment opportunities and employees are treated without regard to their race, color, religion, sex, sexual orientation, gender identity, national origin, disability or veteran status.