



JOINT INSTITUTE  
交大密西根学院

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## University of Michigan-Shanghai Jiao Tong University (UM-SJTU) Joint Institute

### Job title:

Tenure-Track Assistant, Associate, and Full Professor positions in Mechanical Engineering or Materials Science and Engineering, especially in the areas of Advanced Manufacturing, Robotics, and related fields.

### Job details:

UM-SJTU Joint Institute invites applications for tenure-track or tenured positions at all levels (Assistant, Associate, and Full) in Mechanical Engineering, Materials Science and Engineering, or a closely related field. While the Joint Institute particularly seeks strong candidates in the areas of *Manufacturing* and *Robotics*, all related areas will be considered. Applicants must hold a doctoral degree in a relevant field and have demonstrated research experience, an active teaching agenda, and leadership skills as well as the ability to interact effectively with students, faculty, industry and government partners. Successful candidates are expected to work closely with the current faculty teams in the Joint Institute to

- 1) conduct fundamental and cutting-edge research;
- 2) provide a world-class engineering curriculum for both undergraduate and graduate students;
- 3) serve in various faculty committees and contribute to the external research society and community.

The UM-SJTU Joint Institute is running a very typical U.S. tenure system for faculty recruitment, promotion and evaluation, while the initial appointment for Assistant/Associate Professor will normally be on a three-year contract, renewable subject to mutual agreement. A comprehensive start-up package, including ample space for faculty, students, and laboratory work, critical research facilities, guaranteed quota of graduate students (PhD and master students) and support of research assistantship, will be provided. Salary is highly competitive and will be commensurate with qualifications and experience. Fringe benefits include family medical insurance plan, privilege to be admitted to the university-owned daycare and elementary schools (top level in Shanghai), housing allowance, and other housing benefits (where applicable).

### How to apply:

For full consideration, the applicant should send a cover letter, a CV, a statement of research interests and teaching goals, copies of three key publications, and the names and contact information of five references as a single PDF file to the Search Committee of the Joint Institute at [ji-me-facultysearch@sjtu.edu.cn](mailto:ji-me-facultysearch@sjtu.edu.cn).



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### **About UM-SJTU Joint Institute:**

The University of Michigan-Shanghai Jiao Tong University Joint Institute (JI) was jointly established in 2006 by two premier universities, the University of Michigan and Shanghai Jiao Tong University, creating a Sino-US academic partnership with tremendous potential. JI receives strong support from both partner universities and the Chinese government. The mission of JI is to build a world-class educational and research institute in China and to foster future innovative researchers and leaders with a global perspective.

Abiding by the philosophy of “Internationalization, Interdisciplinary, Innovation, and Quality,” JI has developed a unique educational model through combining American and Chinese educational philosophies and principles. As for the operating mechanism, JI models itself after leading U.S. research universities in terms of its tenure review and promotion system, academic environment, research program, and undergraduate/graduate curricula. JI has won many awards for higher education innovation, including the “Model of Chinese Higher Education Reform” from the Chinese State Council and the “Andrew Heiskell Award for Innovation in Higher Education” from the Institute of International Education, one of the most prestigious awards in international education.

JI adopts curricula blending the unique features of the University of Michigan and Shanghai Jiao Tong University. It offers B.S., M.S. and Ph.D. degrees in Mechanical Engineering, Electrical and Computer Engineering, and related fields. Its students are among China’s highest achieving. Two of its undergraduate majors, Mechanical Engineering (ME) and Electrical & Computer Engineering (ECE), received accreditation from ABET, the world’s most authoritative accreditation agency. All courses are taught in English by world-class faculty recruited from global leading universities in the U.S. and other developed countries. Besides building students’ solid foundation skills in engineering, JI also serves to develop their problem-solving capabilities as well as soft skills such as creativity, teamwork, communication, and leadership. JI also provides students with abundant opportunities to study abroad at its partner universities around the world.

Located in Shanghai, one of the most internationalized and economically-active area of China, Asia and even the world nowadays, JI is an equal opportunity employer that is building a diverse faculty, staff, and student body. Currently, around 50% of all faculty members of JI are of international origin and all tenure-track faculty members obtained their PhD degrees overseas. English is the official working language.

More information about the institute is available at <http://ji.sjtu.edu.cn/>.