

UMassAmherst

# College of Engineering

## **Assistant Professor of Mechanical and Industrial Engineering Focus: Robotics**

**POSITION:** The Department of Mechanical and Industrial Engineering (MIE) at the University of Massachusetts Amherst invites applications for a tenure-track faculty positions at the Assistant Professor level in the area of **Robotics**.

**STARTING DATE:** September 1, 2019

**REQUIREMENTS AND QUALIFICATIONS:** Candidates must have an earned doctorate in Mechanical Engineering, Manufacturing Engineering, or a closely related field at the time of appointment. Preference will be given to outstanding candidates who have demonstrated research expertise in the field of robotics, especially in the areas of manufacturing and automation. Other areas of robotics will also be considered, including medical and human-robot interaction, particularly if they complement existing strengths at the university.

**RESPONSIBILITIES:** The successful candidates are expected to teach effectively at the undergraduate and graduate levels, supervise graduate students and postdoctoral fellows, contribute significantly to the advance of science and engineering, as evidenced by scholarly publications, develop and maintain a nationally recognized program of sponsored research, and have an understanding of diversity issues and their educational importance.

**Department:** The Department of Mechanical and Industrial Engineering has 37 full-time faculty members, over 140 graduate students, and over 800 undergraduates. Research expenditures exceeded \$5.45M in the last fiscal year. The Department has a long history of successful interdisciplinary research, including the Mechatronics and Robotics Research Lab, Laboratory for Perceptual Robotics, Autonomous Mobile Robotics Laboratory (AMRL), Arbell Insurance Human Performance Lab, Center for e-Design, and the Wind Energy Center. The emerging thrust areas in manufacturing and bioengineering involve interdisciplinary collaborations between faculty in the Department and faculty in other Departments in the College and around the University, including the Center for Personalized Health Monitoring (CPHM) with the UMass Amherst Institute for Applied Life Sciences (IALS). IALS was recently capitalized with \$95 million in investments from the Massachusetts Life Sciences Center and is home to Human Motion Lab with the KUKA Robot Arm, AMTI Force Platforms, and Qualysys Infrared Motion Capture System and the ADDFab (Advanced Digital Design and Fabrication) Lab with an array of cutting-edge, industrial-grade, plastic and metal 3D printers.

**APPLICATION PROCESS:** The search committee will begin reviewing applications on November 15, 2018. The search will continue until the positions are filled. Candidates should provide the following in their application package: 1) Cover letter; 2) Current curriculum vitae; 3) Research plans; 4) Statement of teaching interests; 5) Representative recent original research articles; and 6) Full contact information for at least four references.

**These materials should be submitted to:**

<http://careers.umass.edu/amherst/en-us/job/495776/assistant-professor-in-mechanical-and-industrial-engineering-tenure-track>

*The university is committed to active recruitment of a diverse faculty and student body. The University of Massachusetts Amherst is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans, and individuals with disabilities and encourages applications from these and other protected group members. Because broad diversity is essential to an inclusive climate and critical to the University's goals of achieving excellence in all areas, we will holistically assess the many qualifications of each applicant and favorably consider an individual's record working with students and colleagues with broadly diverse perspectives, experiences, and backgrounds in educational, research or other work activities. We will also favorably consider experience overcoming or helping others overcome barriers to an academic degree and career.*

*We are seeking talented applicants qualified for an assistant professor position. Under exceptional circumstances, highly qualified candidates at other ranks may receive consideration.*