Assistant/Associate/Full Professors - Mechanical Engineering
University of Massachusetts Lowell

The Department of Mechanical Engineering at the University of Massachusetts Lowell is seeking to hire several full-time tenure-track faculty at the ranks of Assistant or Associate Professor; applications for Full Professor will also be considered for exceptional candidates. Applicants must have earned Doctoral degrees in mechanical engineering, or closely related disciplines, and are required to have a record of quality teaching and scholarship. Successful applicants will collaborate with existing faculty members, teach classes to support the undergraduate and graduate programs, develop new courses, advise and recruit graduate students, and are expected to develop a robust, externally funded research program in one of the following areas:

(1) **Robotics and Autonomous Systems:** advanced networked controlled systems, multi-agent dynamic systems, cooperative robotics, cyber-physical systems, and de-centralized path planning to support robotic programs with a strong applied complement.

(2) **Composite Materials:** computational or experimental investigation of composite materials, with special consideration given to candidates focused on (a) modeling of composite manufacturing processes, (b) modeling damage in composites, such as crashworthiness, or (c) structural or multi-functional design with composites and advanced materials.

(3) **Thermofluid Transport:** (a) computational transport processes including multi-scale, multi-phase, and/or reaction kinetics or (b) experimental/computational full-spectrum solar energy utilization, photo/thermochemical renewable energy conversion and storage.

**Note:** Candidates must clearly specify a single research area (of the three listed) in bold font in the first sentence of their Cover Letter. In cases of demonstrated outstanding research productivity and scholarship, an appointment with tenure may be considered. To apply, visit: [http://jobs.uml.edu](http://jobs.uml.edu). Applications received by December 31, 2015 will be considered in the first review of candidates. However, later applications may be considered for these positions. Each position will close after an adequate number of qualified applications is received. UMass Lowell is a Carnegie Doctoral High Research (RU/H) university ranked in the top tier of US News’ National Universities, and is strategically located 30 miles northwest of Boston in the northeast Massachusetts high-tech region. The department has over 900 undergraduate students and 150 graduate students. An optional co-op program is available to undergraduates. The undergraduate engineering program is based on a design-build-test methodology and is ABET accredited. The University of Massachusetts Lowell is committed to increasing diversity in its faculty, staff, and student populations, as well as curriculum and support programs, while promoting an inclusive environment. We seek candidates who can contribute to that goal and encourage candidates to apply and to identify their strengths in these areas.