Tenure-Track Faculty Position: Mechanical Engineering

The School of Engineering at the University of Vermont (UVM) invites applications for a tenure-track faculty position in its Mechanical Engineering Program at the level of Assistant Professor for a Fall 2011 start date. The School is seeking a faculty member whose research focus lies in the engineering of functional materials with applications to the medical and biological sciences, bio-mimetic or bio-compatible materials, bio-inspired engineering design, cellular or medical materials applications, or related areas.

The successful candidate will have undergraduate and advanced degrees in mechanical engineering or a closely related engineering field. The new faculty member will maintain an active program of externally-funded research and graduate student advising and will actively contribute to undergraduate and graduate instruction in engineering mechanics and materials engineering. Potential for interdisciplinary research collaborations will be highly valued; significant opportunities for collaboration exist with other academic units across campus, including: Mathematics & Statistics, Computer Science, the College of Medicine, the Materials Science Program, the Biomedical Engineering Program, and the Complex Systems Center. High-performance computing facilities are available to researchers within the Vermont Advanced Computing Center.

The School has excellent faculty and students in civil, electrical, environmental, and mechanical engineering, is a leader in interdisciplinary research partnerships, and offers innovative approaches to engineering education. In recent years, the School has seen significant growth in undergraduate and graduate student enrollment and research funding. The University is located in Burlington, Vermont, rated as one of the best small cities in America. UVM is an Affirmative Action/Equal Opportunity employer and welcomes applications from women and underrepresented ethnic, racial and cultural groups and from people with disabilities. The School is committed to building a culturally diverse educational environment and is interested in candidates who can contribute to the diversity and excellence of the academic community through their research, teaching, and/or service; therefore a commitment to diversity and inclusion is required. Applicants are requested to include in their cover letter information about how they will further this goal.

The application package should include a cover letter, detailed curriculum vitae, the names and contact information of at least three references, a statement describing current/future research activities and directions, and a statement describing teaching interests and teaching philosophy. Applications must be submitted through the UVM website www.uvmjobs.com (Search requisition #033848). Screening of applications will continue until the position is filled.

UVM recently identified three “Spires of Excellence” in which it will strategically focus institutional investments and growth over the next several years. These spires are all relevant to this position, and are Complex Systems; Neuroscience, Behavior and Health; and Food Systems. Candidates whose research, scholarship, and/or creative work interests align or intersect with these areas are especially encouraged to apply. More information on these areas is available on the web site at:

- [https://www.uvm.edu/~tri/?Page=csys.php](https://www.uvm.edu/~tri/?Page=csys.php) (complex systems)

- [https://www.uvm.edu/~tri/?Page=nbh.php](https://www.uvm.edu/~tri/?Page=nbh.php) (neuroscience)
Founded in 1791, UVM has been called one of the “public ivies” and is consistently ranked as one of the top public service universities in the United States. The University is located in Burlington, Vermont, also rated as one of the best small cities in America. The greater Burlington area has a population of about 125,000 and enjoys a panoramic setting on the shores of Lake Champlain, between the Green Mountains of Vermont and the Adirondack Mountains of New York. Burlington and the surrounding area provide an environment rich in cultural and recreational activities for individuals and families, with multiple opportunities for interactions with local industry and communities.