

## **Faculty Positions in Materials, Manufacturing, Mechanics**

**THE UNIVERSITY OF MASSACHUSETTS, AMHERST** invites applications for two tenure track faculty positions in the Department of Mechanical and Industrial Engineering to expand capabilities in **Materials Engineering, Manufacturing, and Mechanics**. The appointments are at the rank of assistant professor; salary and credit towards tenure will be commensurate with experience and accomplishments.

Faculty members are expected to teach both undergraduate and graduate courses, supervise graduate students, produce high-quality scholarly publications, and develop a nationally recognized program of sponsored research. The new faculty members will be expected to contribute transformative and innovative concepts to one or more departmental research themes including Energy (renewable energy, energy conversion and efficiency), Bioengineering (biomaterials, biomechanics, and others), and Transportation and Aerospace. A PhD in Mechanical Engineering, Materials Engineering or a related field is required. Candidates with computational and/or experimental backgrounds are encouraged to apply.

The Department of Mechanical and Industrial Engineering has 23 full-time faculty members, over 80 graduate students, and over 400 undergraduates. The research expenditures exceed \$4.5M/year in diverse areas including Materials and Materials Processing, Industrial Engineering & Operations Research, Computational and Systems Biology, Computational and Experimental Fluid Dynamics, Dynamics and Control, and Wind Power. The University of Massachusetts is home to the Center for Hierarchical Manufacturing (NSF Nanoscale Science and Engineering Center), and the Materials Science and Engineering Center on Polymers (NSF Materials Research Science and Engineering Center), and the UMass Amherst Wind Energy Center, as well as emerging efforts in Computational Engineering.

The University of Massachusetts is situated 90 miles west of Boston in the vicinity of four liberal arts colleges offering exceptional and diverse cultural and recreational opportunities.

Applicants should provide a clear statement of their teaching and research interests, curriculum vitae, full contact information for four, or more, references, and a brief abstract for a seminar to be presented if invited for an interview. Review of applications will begin October 15, 2008, and continue until suitable candidates are identified. The department has a strong commitment to diversity and welcomes applications from women and candidates from other minority groups.

**Applications preferred by email (single PDF file): [m3\\_search@ecs.umass.edu](mailto:m3_search@ecs.umass.edu)**

### **Mail:**

Chair, M3 Faculty Search Committee  
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The University of Massachusetts is an Affirmative Action/Equal Opportunity Employer  
Women and Members of Minority Groups are encouraged to Apply