



*Faculty Position in*  
**Bioengineering**

Department of Mechanical Engineering  
Massachusetts Institute of Technology

The Department of Mechanical Engineering at the Massachusetts Institute of Technology seeks outstanding candidates for tenure-track faculty positions in the field of Bioengineering to begin July 1, 2012 or thereafter. Appointment would be at the assistant or untenured associate professor level. In exceptional cases, a senior faculty appointment may be possible.

We seek candidates who will provide inspiration and leadership in research and actively contribute to core mechanical engineering undergraduate and graduate level teaching. Faculty duties include teaching at the graduate and undergraduate levels, development of an independent, internationally recognized research program, and supervision of student research.

Applications are invited in all areas of bioengineering including but not limited to: Biological Systems, Multiscale Biomechanics, Bioinstrumentation/Bioimaging, Biomedical Devices, Biotransport, Bio-inspired Design, Biomaterials, and Biointerfaces.

Applicants must hold an earned Ph.D. in a relevant field by the beginning of the appointment. Applicants must have demonstrated: (1) outstanding research strength; (2) a strong disciplinary background; (3) strong experimental and/or theoretical skills; and (4) the potential to work across disciplinary boundaries.

Applicants should send a curriculum vita, a research statement, a teaching statement, and copies of not more than three publications. They should also arrange for four individuals to submit letters of recommendation on their behalf. This information must be entered electronically at the following site: <http://search-meche.mit.edu>. Full consideration will be given to applications submitted by December 31, 2011.

MIT is an equal-opportunity/affirmative action employer. Women and underrepresented minorities are especially encouraged to apply.



*Faculty Position in*  
**Ocean Engineering**

Department of Mechanical Engineering  
Massachusetts Institute of Technology

The Department of Mechanical Engineering at MIT invites applications for a tenure-track position in the area of Ocean Engineering, with a special interest in the fields of Naval Architecture and Marine Engineering, Ship Design, Marine Propulsion, Ship Structures, and Offshore Engineering.

There is a pressing need for the Navy, the offshore energy industry, and the ocean engineering and science community to develop advanced marine systems with significantly superior performance, or systems that operate under extreme ocean conditions. Examples include: high speed surface vehicles; novel technologies to reduce emissions and pollution and increase the energy efficiency of ocean vehicles; all-electric and automated ships; renewable ocean and offshore energy utilization; environmentally responsible offshore ultra deep water and polar oil and gas production.

Candidates are expected to have engineering and scientific expertise in one or more of the following areas of marine systems: ships and submersibles including all-electric vehicles and alternative ocean propulsion systems; energy extraction devices operating in the ocean environment, acoustics, sub-sea and floating offshore structures, and oceanographic systems. Faculty duties include teaching (both lecture and hands-on laboratory) at the undergraduate and graduate levels, developing an independent, internationally recognized research program, and supervising student research.

Applicants must hold a Ph.D. in a relevant field by the beginning of the appointment. Applicants must have demonstrated: (1) outstanding research strength; (2) a strong disciplinary background; (3) strong experimental and/or theoretical skills; and (4) the potential to work across disciplinary boundaries.

Applicants should send a curriculum vita, a research statement, a teaching statement, and copies of not more than three publications. They should also arrange for four individuals to submit letters of recommendation on their behalf. This information must be entered electronically at the following site: <http://search-meche.mit.edu>. Full consideration will be given to applications submitted by December 31, 2011.

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*Faculty Position in*  
**Manufacturing**

Department of Mechanical Engineering  
Massachusetts Institute of Technology

The Department of Mechanical Engineering is looking for a faculty member in the area of Manufacturing with an interest in process innovation. We are seeking an individual who conducts research in manufacturing with an emphasis towards revitalizing manufacturing to capitalize on innovation, for example, developing innovative manufacturing processes for highly technological products, designing and improving manufacturing processes or systems in order to reduce impact on the environment, or develop new efficient processes that capitalizes on physics at different length scales.

Our scope is broad, and we invite candidates to describe the implications of their research and approach on capturing more value in the product realization process. The candidate should have a firm intellectual foundation and experience in relevant modeling and analysis tools/techniques. In particular, an individual with pertinent industrial experience would be preferred, but this is not a requirement. The applicant should be able to teach graduate level courses in manufacturing. Depending on qualifications, a senior appointment may be considered.

Applicants must hold an earned Ph.D. in a relevant field by the beginning of the appointment. Applicants must have demonstrated: (1) outstanding research strength; (2) a strong disciplinary background; (3) strong experimental and/or theoretical skills; and (4) the potential to work across disciplinary boundaries.

Applicants should send a curriculum vita, a research statement, a teaching statement, and copies of not more than three publications. They should also arrange for four individuals to submit letters of recommendation on their behalf. This information must be entered electronically at the following site: <http://search-meche.mit.edu>. Full consideration will be given to applications submitted by December 31, 2011.

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*Faculty Position in*  
**Mechanical Engineering**

Department of Mechanical Engineering  
Massachusetts Institute of Technology

The Department of Mechanical Engineering, at Massachusetts Institute of Technology, Cambridge MA, seeks applications for a new tenure-track faculty opening. Although we expect to make an appointment at the junior level, under exceptional circumstances the possibility exists for a senior appointment in certain areas of specific interest. Faculty duties include teaching at the undergraduate and graduate levels, research and supervision of student research.

We seek candidates who will provide inspiration and leadership in research, contribute proactively to both undergraduate and graduate level teaching in the Mechanical Engineering department and add to the diversity of the academic community.

Candidates must hold an earned Ph.D. in a related field by the beginning of the appointment period. We are particularly interested in receiving applications from exceptional candidates who have strong backgrounds in fundamental disciplines related to mechanical engineering who will enhance the Department's research and educational activities.

Applicants should send a curriculum vita, a research statement, a teaching statement, and copies of not more than three publications. They should also arrange for four individuals to submit letters of recommendation on their behalf. This information must be entered electronically at the following site: <http://search-meche.mit.edu>. Full consideration will be given to applications submitted by December 31, 2011.

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