



Faculty Position in Mechanics of Solids and Structures

The Department of Mechanical Engineering seeks an outstanding individual for a tenure-track faculty position in Mechanics of Solids and Structures. The appointment is expected to be at the assistant professor level; in an exceptional case, a senior faculty appointment may be possible. Faculty duties include teaching at the undergraduate and graduate levels, development of an independent, internationally-recognized research program, and supervision of student research.

Candidates should have a strong foundation in Solid Mechanics and/or Structural Mechanics, and must hold an earned Ph.D. in Mechanical Engineering or a related field by the beginning of the appointment. In order to advance the frontiers of research of the discipline, candidates must have demonstrated strengths in one or more of the following domains: (i) physical experiments, (ii) mathematical modeling, and (iii) numerical simulation methodologies --- addressing multiple length and time-scales.

Research areas of interest include, but are not limited to: (a) coupled thermo-chemo-electro-magneto mechanics of materials for applications to sensors/actuators and energy generation/storage devices; (b) micro/nano-scale experimental solid mechanics; (c) soft-matter and cell mechanics for biological systems; (d) structural modeling and lightweight design with advanced materials; and (e) structural design for operation under crash/blast loading conditions, high-temperature/corrosive environments, or harsh ocean environments (e.g. Arctic).

Candidates should also have demonstrated interest and talent for teaching subjects related to Mechanics of Materials, Solid Mechanics, and Structural Mechanics at both the undergraduate and graduate levels.

Applicants should send a curriculum vita, a research statement, a teaching statement, and copies of not more than three publications (combined into a single PDF file). 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-mech.mit.edu>. Review of applications will begin on December 2, 2013, however full consideration will be given to applications submitted by January 3, 2014.

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