



**Massachusetts Institute of Technology**  
**Department of Civil and Environmental**  
**Engineering**

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**Massachusetts Institute of Technology**  
**Faculty Position**  
**Department of Civil and Environmental Engineering**

The Department of Civil and Environmental Engineering (<http://cee.mit.edu/>) invites applications for a tenure track faculty position to begin September 2012. We will consider exceptional candidates in all areas of civil and environmental engineering, broadly defined, who can advance fundamental knowledge of built and natural systems across all scales. The candidate should have demonstrated excellence in original research. We are especially interested in, but not limited to, candidates in the following four focus areas:

- *Geoscience and Geomechanics*: geophysical methods at the laboratory scale or in novel site investigation, control and monitoring; clay chemistry with applications in remediation and geophysical systems; innovative approaches to assessment and mitigation of natural hazards; multiscale experimental and computational methods.
- *Mechanics of Materials and Structures*: composite materials; natural, biomimetic and bioinspired materials and structures; energy efficient materials for structures and buildings; sustainable materials and structural design; mechanics and physics of solids; nanotechnology; nanomechanics; multiscale experimental and computational approaches; innovative methods for condition assessment and monitoring; experimental mechanics.
- *Fluid Mechanics*: with applications to coastal, environmental or energy related problems such as storm modeling, sediment transport, coastal erosion, stratified flows, or river plume dynamics; experimental or numerical studies of turbulence in an environmental context; atmospheric boundary layer and urban-canopy-scale studies.
- *Environmental Chemistry*: biogeochemistry of inorganic compounds, especially novel pollutants; catalytic surface reactions in natural and engineered systems; environmental sensors for chemical concentration, activity, and flux; *in silico* approaches for estimating physical and reaction properties of new substances and materials.

The appointment would be at the untenured level. Faculty responsibilities will include teaching at the graduate and undergraduate levels, research, and supervision of student research. Applicants should hold a PhD in a relevant field by the beginning of the appointment period.

Applications are being accepted electronically at <http://cee-search.mit.edu> until December 15, 2011. The application should include curriculum vitae, a statement of research interests together with three publications, and a statement of teaching interests relevant to civil and environmental engineering. We request that each candidate arrange for three or more reference letters to be uploaded electronically. Questions should be directed to [Search-Master@School-of-Engineering-Faculty-Search.mit.edu](mailto:Search-Master@School-of-Engineering-Faculty-Search.mit.edu).

MIT is building a culturally diverse faculty and strongly encourages applications from women and minority candidates.



<http://cee.mit.edu>