



Faculty Positions -- Water and Environmental Engineering Masdar Institute of Science and Technology

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Job Title: Faculty Positions -- Water and Environmental Engineering
Department: Water and Environmental Engineering Program
<http://www.masdar.ac.ae> and <http://web.mit.edu/mit-tdp/www/>
Institution: Masdar Institute of Science and Technology
Abu Dhabi, , United Arab Emirates

Date Posted: Oct. 23, 2009

Application Deadline: Open Until Filled
Position Start Date: Available immediately

Job Categories: Assistant Professor
Associate Professor
Professor

Academic Field(s): Naval Architecture & Marine Engineering
Mechanical Engineering
Environmental/Ecological
Engineering Mechanics
Bioengineering (all Bio-related fields)
Engineering - General

Apply By E-mail: masdar-faculty-applic@mit.edu

Job Description:

Masdar Institute of Science and Technology, Abu Dhabi
Faculty Positions
Water and Environmental Engineering

The Masdar Institute of Science and Technology, located in Abu Dhabi, U.A.E., is a private, not-for-profit, independent, Graduate-level, research-driven institute, developed with the support and cooperation of the Massachusetts Institute of Technology (MIT).

The goal of the Institute is to develop, over a period of years, indigenous R&D capacity in Abu Dhabi, addressing issues of importance to the region in critical areas such as renewable energy, sustainability, environment, water resources and microelectronics.

Starting Fall 2009, the Institute has begun offering Graduate Degree Programs in Science and Engineering disciplines, with a focus on Advanced Energy and Sustainable Technologies (www.masdar.ac.ae and <http://web.mit.edu/mit-tdp/www/>).



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The Program in Water & Environmental Engineering at Masdar Institute currently has openings for full-time, open rank (i.e., Full, Associate and Assistant Professor) Faculty Positions, in the sub-specialties of Water & Environmental Technologies and Water Resources Engineering.

Research areas of interest within the Water & Environmental Technologies specialty, include:

(1) physical/chemical treatment processes for potable water production (e.g., membrane-based desalination technologies); (2) wastewater treatment technologies for water reuse (e.g., aerobic & anaerobic membrane bioreactors); (3) environmental biotechnology application to wastewater treatment processes (e.g., phylogenetic and proteomic techniques for microbial community profiling and process control); and, (4) ex situ hazardous waste treatment technologies.

Areas of interest within the Water Resources Engineering specialty, include:

(1) Environmental Fluid Mechanics; (2) Arid Lands Hydrology; (3) Coastal Zone Hydrology and Engineering; and, (4) Water Supply Modeling & Management.

Exceptional candidates working in other related areas of Water and Environmental Engineering will also be considered.

Job responsibilities include developing and teaching Graduate level courses, supervising Master's and Doctoral Students, developing an externally funded research program and participating in the Institute's service and outreach activities.

Applicants should have strong records of published research, experience in supervising Graduate Students and relevant teaching experience.

An earned doctorate in a relevant field (Civil & Environmental Engineering, Chemical Engineering, or related discipline) is required for each position, as is fluency in English.

Postdoctoral or industrial research experience is considered a plus.

Application Submittal Information: The Massachusetts Institute of Technology is assisting Masdar Institute in the search.

Initial screening of applications will begin immediately and the positions will remain open until filled.

Application materials should include applicant names and contact information, curriculum vitae, statements of research and teaching interests, application letters, describing the applicants' current positions and how their experience matches the requirements listed above and e-mail contact information for at least three references.



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Materials must be submitted, electronically, to:

masdar-faculty-applic@mit.edu

Contact Information:

Please reference AcademicKeys.com in your cover letter when applying for or inquiring about this job announcement.

Contact: Masdar Institute Faculty Search Committee
Water and Environmental Engineering Program
Masdar Institute of Science and Technology
Abu Dhabi
United Arab Emirates

Contact E-mail: masdar-faculty-applic@mit.edu