



# Postdoctoral Research Associates Texas A&M University at Qatar (TAMUQ)

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**Job Title:** Postdoctoral Research Associates  
**Department:** Department of Mechanical Engineering  
<http://meen.qatar.tamu.edu/>  
**Institution:** Texas A&M University at Qatar (TAMUQ)  
Doha, , Qatar

**Date Posted:** Oct. 26, 2009

**Application Deadline:** Open Until Filled  
**Position Start Date:** Available Immediately

**Job Categories:** Post-Doc  
Graduate Student

**Academic Field(s):** Engineering - General  
Engineering Mechanics  
Mechanical Engineering

**Apply By E-mail:** [reza.sadr@qatar.tamu.edu](mailto:reza.sadr@qatar.tamu.edu)

## **Job Description:**

The Micro Scale Thermo Fluids (MSTF) Laboratory in the Mechanical Engineering Program at Texas A&M University at Qatar (TAMUQ), invites applications for Postdoctoral Research Associate positions in the field of a) Micro/Nano Fluid Mechanics and Heat Transfer or b) Super Critical Flow Study.

These are full-time positions; the initial appointment will be for one year and may be extended for up to three years.

TAMUQ is a branch campus of Texas A&M University in College Station, Texas.

Micro Fluidic Research includes setting up and conducting experiments in micro fluidic systems, to study the heat transfer characteristics of Nanofluids and Nano Fluidics. The Super Critical Flow project seeks to investigate, at both the fundamental and applied levels, the thermal hydraulic (heat transfer and fluid dynamics) behaviors of supercritical fluids.

We are looking for self-motivated individuals, who have extensive experimental experience in Fluid Mechanics and Heat Transfer.

Successful candidates will work under the supervision of a Faculty for conducting experimental research and interacting with academia and industry. In addition to traditional laboratory equipments, candidates should be comfortable in operating data acquisition, optical microscope, high speed camera and laser systems.



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Knowledge of advanced velocimetry and thermometry methods, such as PIV, PIT, LDV, MTV and LIF, is also desired.

Successful candidates will be responsible for preparing appropriate laboratory procedures and all aspects of the daily operation of the experimental set up. Publishing in scientific conferences and journals is strongly encouraged.

Minimum academic requirement is a Ph.D. degree in Mechanical Engineering or a closely related field. Special consideration will be given to candidates who have expertise in Experimental Fluid Mechanics, with research experience in Micro Scale and Supercritical Flow Studies. Experience with computer programming and data processing algorithms is preferable.

Highly qualified candidates with Master's Degrees may be considered.

Texas A&M University at Qatar offers a competitive salary and excellent benefits. The benefits package includes furnished housing at no cost, group health insurance, local transportation, travel and dependent education allowances.

Interested candidates are encouraged to send complete application packages (in pdf format), including Curriculum Vitae, cover letters, describing research interests and goals, selected publications and the names and email addresses of three references, to Dr. Reza Sadr, at:

reza.sadr@qatar.tamu.edu

### **Contact Information:**

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

**Contact:** Dr. Reza Sadr  
Mechanical Engineering Department  
Texas A&M at Qatar  
P.O. Box 23874  
Education City  
Doha  
Qatar

**Contact E-mail:** reza.sadr@qatar.tamu.edu