ASSISTANT PROFESSOR - AEROSPACE STRUCTURES & ADVANCED MATERIALS

Posting ID: EM18A1303D  
Company Website: https://twin-cities.umn.edu/

Company: University of Minnesota  
Work Location: Minneapolis, MN

Position Type: Full-Time  
Salary:

College Major(s): Mechanical Engineering (ME)  
College Level(s): PhD. Student

OVERVIEW

The Department of Aerospace Engineering and Mechanics (AEM) seeks to fill one tenure-track faculty positions in Aerospace Structures and Advanced Materials (ASAM).

Roles and Responsibilities

Researchers engaged in the development and application of modern experimental methods in ASAM are particularly encouraged to apply, but applications are invited in all areas of the mechanics of solids. Current research in the AEM department includes the development of nanoscale mechanics (molecular dynamics, lattice statics, quasicontinuum method, applied quantum mechanics) and continuum mechanics (theory of phase transformations, phase field models, micromagnetics, theory of stability and bifurcation) for the understanding and discovery of advanced materials and structures. The AEM department has close ties with on-campus multidisciplinary centers, and convenient access to outstanding shared experimental and computational facilities, such as the Minnesota Nano Center, the Characterization Facility, the Center for Magnetic Resonance Research, and the Minnesota Supercomputing Institute. Information about the department is available at http://www.aem.umn.edu/

Education and Qualifications

Applicants must have an earned doctorate in a related field by the date of appointment. The successful candidate is expected to have the potential to conduct vigorous and significant research programs and the ability to collaborate with researchers with a wide range of viewpoints from around the world. This candidate will participate in all aspects of the Department's mission, including (I) teaching undergraduate and graduate courses to a diverse group of students in aerospace engineering and mechanics; (II) participating in service activities for the department, university, broader scientific community, and society; and (III) supervising undergraduate and graduate students and developing an independent, externally-funded, research program.

The intent is to hire at the assistant professor rank. However, exceptional applicants may be considered for higher rank and tenure depending upon experience and qualification.
It is anticipated that the appointment will begin fall 2019.

**How to Apply**

https://hr.myu.umn.edu/psc/hrprd/EMPLOYEE/HRMS/c/HRS_HRAM_FL.HRS.CG.SEARCH_FL?Page=HRS_APP_JBPST&Action=U&FOCUS=Applicant&SiteId=1&JobOpeningId=326059&PostingSeq=1