

AEROSPACE ENGINEERING AND MECHANICS
AEROSPACE STRUCTURES AND ADVANCED MATERIALS
UNIVERSITY OF MINNESOTA

The Department of Aerospace Engineering and Mechanics (AEM) seeks to fill one tenure-track faculty position in modern experimental methods in Aerospace Structures and Advanced Materials (ASAM). Current research in the AEM department includes the development of nanoscale mechanics (molecular dynamics, lattice statics, quasicontinuum method, applied quantum mechanics) and continuum mechanics (phase transformations, phase field models, micromagnetics, 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 <https://cse.umn.edu/aem>

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. It is anticipated that the appointment will begin fall 2022.

The AEM department is committed to the goal of achieving a diverse faculty as a way to maximize the impact of its teaching and research mission. The University of Minnesota provides equal access to and opportunity in its programs, facilities, and employment without regard to race, color, creed, religion, national origin, gender, age, marital status, disability, public assistance status, veteran status, sexual orientation, gender identity, or gender expression. To learn more about equity & diversity at UMN, visit diversity.umn.edu.

To be considered for this position, candidates must apply on-line through Interfolio at: <http://apply.interfolio.com/94000>

This position requires that you attach the following documents as PDFs : 1) cover letter, 2) detailed resume, 3) names and contact information of three references, 4) a statement of teaching interests, and, 5) a statement of research interests. The teaching and research statements should include prior or proposed contributions to diversity, equity and inclusion.

Application Deadline: The initial screening of applications will begin on November 1, 2021; applications will be accepted until the position is filled.

The University of Minnesota is an equal opportunity educator and employer.