

Assistant/Associate/Full Professor - Aerospace Engineering Multiple Areas (Tenure-Track/Tenured)

About the Job

The Department of Aerospace Engineering & Mechanics (AEM) at the University of Minnesota seeks to fill multiple open-rank, tenure-track/tenured faculty positions over the next several years across the department's core areas in aerospace engineering research and education: fluid dynamics, solid mechanics, and aerospace systems. AEM is particularly interested in faculty who complement and expand our expertise in fluid dynamics and diagnostics, solid mechanics and materials, and aerospace systems, guidance, navigation, and control (GNC). Successful candidates are expected to have the potential to conduct a vigorous and significant research program along with the ability to collaborate with researchers with a wide range of viewpoints. Candidates will participate in all aspects of AEM's mission, including (I) teaching undergraduate and graduate courses in aerospace engineering and mechanics to a diverse group of students; (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.

Faculty positions are 9-month, full-time appointments located on the Twin Cities Campus. The target start date for this round of hiring is Fall 2025; however other start dates will be considered.

Qualifications

Applicants at the Assistant Professor level are expected to have an outstanding track record of academic excellence with the drive to establish extramurally-funded research programs through independent and collaborative research. Applicants at the Associate and Full Professor level are expected to have an established extramurally funded research program and a robust track record of publication and collaboration. All applicants are required to hold a Ph.D. degree in aerospace engineering or a related field.

About the Department

The Department of Aerospace Engineering and Mechanics (AEM) is in the College of Science and Engineering at the University of Minnesota, which is a world-class research university with outstanding resources and programs in engineering and science, health sciences, social sciences and liberal arts. The department has vibrant and active research programs in all areas of aerospace engineering and mechanics including fluid dynamics, hypersonics, solid mechanics and materials, and aerospace systems and GNC. The department is poised for growth in both

its academic programs and research areas and seeks to expand its faculty by making a number of strategic hires over the next several years. The AEM department has close ties with on-campus multidisciplinary centers, and convenient access to outstanding shared experimental and computational facilities, such as the Gemini-Huntley Robotics Research Laboratory of the Minnesota Robotics Institute, the Minnesota Nano Center, the Characterization Facility, the Center for Magnetic Resonance Research, St. Anthony Falls Laboratory, Institute on the Environment, and the Minnesota Supercomputing Institute. More information about the department is available at <https://cse.umn.edu/aem>.

Benefits and Working at the University

At the University of Minnesota, you'll find a flexible work environment and supportive colleagues who are interested in lifelong learning. We prioritize work-life balance, allowing you to invest in the future of your career and in your life outside of work. The University also offers a comprehensive benefits package that includes:

- Competitive wages, paid holidays, and generous time off
- Low-cost medical, dental, and pharmacy plans
- Healthcare and dependent care flexible spending accounts
- University HSA contributions
- Disability and employer-paid life insurance
- Employee wellbeing program
- Excellent retirement plans with employer contribution
- Public Service Loan Forgiveness (PSLF) opportunity
- Financial counseling services
- Employee Assistance Program with eight sessions of counseling at no cost
- Employee Transit Pass with free or reduced rates in the Twin Cities metro area

Please visit the Office of Human Resources at <https://hr.umn.edu> for more information.

How To Apply

Applications must be submitted online. To be considered for this position, go to the Interfolio job site (<http://apply.interfolio.com/154692>) and follow the application instructions.

Applications must include: 1) cover letter with indication of preferred start date, 2) detailed CV/resume including a list of publications, 3) names and contact information of three professional references, 4) a statement of teaching interests (1-2 pages), 5) a statement of research interests (3-4 pages), and 6) a statement of prior or proposed contributions to diversity, equity and inclusion in the areas of teaching and research (1 page).

Application Deadline: Screening of applications for Fall 2025 entry will begin December 1, 2024, and continue until the position is filled. Recruitment for future start dates will be ongoing and applications are welcome at any time.

Inquiries: Faculty Search Committee, Department of Aerospace Engineering and Mechanics, University of Minnesota, 110 Union St. SE, Minneapolis, MN, 55455, aem-facultysearch@umn.edu.

To request an accommodation during the application process, please e-mail employ@umn.edu or call (612) 624-UOHR (8647).

Employment Requirements

Any offer of employment is contingent upon the successful completion of a background check. Our presumption is that prospective employees are eligible to work here. Criminal convictions do not automatically disqualify finalists from employment.

Diversity

The University recognizes and values the importance of diversity and inclusion in enriching the employment experience of its employees and in supporting the academic mission. The University is committed to attracting and retaining employees with varying identities and backgrounds. 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 diversity at the U: <http://diversity.umn.edu>.

About the University of Minnesota – Twin Cities (UMTC)

The University of Minnesota, Twin Cities (UMTC), is among the largest public research universities in the country, offering undergraduate, graduate, and professional students a multitude of opportunities for study and research. Located at the heart of one of the nation's most vibrant, diverse metropolitan communities, students on the campuses in Minneapolis and St. Paul benefit from extensive partnerships with world-renowned health centers, international corporations, government agencies, and arts, nonprofit, and public service organizations.

At the University of Minnesota, we are proud to be recognized by the Star Tribune as a Top Workplace for 2021, as well as by Forbes as Best Employers for Women and one of America's Best Employers (2015, 2018, 2019, 2023), Best Employer for Diversity (2019, 2020), Best Employer for New Grads (2018, 2019), and Best Employer by State (2019, 2022).