

Tenure-Track Faculty Position in Mechanics and Physics
of Materials
University of Minnesota, Twin Cities

Direct Link: <https://www.AcademicKeys.com/r?job=244461>

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Posted Sep. 6, 2024, set to expire Jan. 6, 2025

Job Title	Tenure-Track Faculty Position in Mechanics and Physics of Materials
Department	Civil, Environmental, and Geo- Engineering http://cege.umn.edu
Institution	University of Minnesota, Twin Cities Minneapolis, Minnesota
Date Posted	Sep. 6, 2024
Application Deadline	Open until filled
Position Start Date	Fall 2025
Job Categories	Assistant Professor
Academic Field(s)	Geomatics Engineering Physics Engineering Mechanics Civil Engineering Engineering - Other
Apply Online Here	https://z.umn.edu/Mechanics-Materials
Apply By Email	
Job Description	

Description

About the Job

The Department of Civil, Environmental and Geo- Engineering at the University of Minnesota (UMN) is seeking applications for a faculty position in the broad area of Mechanics and Physics of Materials. The position is primarily intended for applicants at the Assistant Professor level, but exceptional applicants

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at the Associate or Full professor level can be considered. All areas of Mechanics and Physics of Materials, from theoretical to experimental, are considered, including, but not limited to: multifunctional materials at different scales, deployable prototyping and manufacturing methods, data-driven material design, architected materials and metamaterials, mechanics of geomaterials, materials for applications in hazardous environments, and materials for space exploration, environmental remediation, climate change mitigation, and infrastructure.

Qualifications

Emphasis will be placed on the quality, creativity and intellectual distinction of the candidates' research and scholarship. We are interested in scholars with strong core fundamentals in science and engineering that allow them to move easily across disciplinary boundaries and work collaboratively to solve complex problems at the frontier of their disciplines.

Successful candidates will be expected to maintain a strong externally-funded research program. Teaching responsibilities include existing undergraduate and graduate courses, as well as development of new courses in the candidate's specialty areas. An earned doctorate is required at the time of the appointment. Candidates seeking the rank of Associate Professor or Professor must have a strong record of success commensurate with the appointment level.

About the Department

The Department of Civil, Environmental, and Geo- Engineering (CEGE) at UMN is dedicated to conducting cutting-edge theoretical, computational and experimental research in all areas related to Civil, Environmental, and Geo- Engineering, with a core expertise and tradition in the field of mechanics and dynamics of materials. The department features state-of-the-art experimental facilities, including the Lacabanne Rock Mechanics Laboratory, the Waves and Imaging Laboratory, the Pavement Mechanics Laboratory and the Galambos Structural Engineering Laboratory. CEGE is one of twelve departments within the College of Science and Engineering, which offers outstanding opportunities for interdisciplinary research due to the unique combination of mathematics, physical sciences, and engineering in one college. The department is home to the DOE-funded Center for Interacting Geo-processes in Mineral Carbon Storage and is affiliated with the Saint Anthony Falls Laboratory. Core facilities include the Minnesota Nano Center and Characterization Facility. The college has a strong Data Science Initiative.

Benefits

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.

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The University also offers a comprehensive benefits package that includes:

- Competitive wages, paid holidays, and generous time off
- Continuous learning opportunities through professional training and degree-seeking programs supported by the Regents Scholarship
- 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 website](#) for more information regarding benefits.

How to Apply

Applications must be submitted online, through Interfolio.

Please include a cover letter, CV, complete contact information for three references, and statements on (i) research experience and interests, (iii) teaching experience and interests, (iv) experience fostering diversity and inclusion in the classroom and research. The review of applications will begin November 1, 2024. Applications will continue to be accepted until the position is filled. Expected appointment is Fall 2025.

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.

About the U of M: The University of Minnesota, Twin Cities (UMTC)

The University of Minnesota, Twin Cities (UMTC), is among the largest public research universities in

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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.

EEO/AA Policy

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>.

Contact Information

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

Contact Char Psihos
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