

Tenure-Track Faculty Position in Geomechanics  
University of Minnesota, Twin Cities

Direct Link: <https://www.AcademicKeys.com/r?job=244908>

Downloaded On: Nov. 27, 2024 12:09am

Posted Sep. 16, 2024, set to expire Jan. 16, 2025

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|-----------------------------|---|
| <b>Job Title</b>            | Tenure-Track Faculty Position in Geomechanics   |
| <b>Department</b>           | Civil, Environmental, and Geo- Engineering<br><a href="https://cse.umn.edu/cege">https://cse.umn.edu/cege</a> |
| <b>Institution</b>          | University of Minnesota, Twin Cities<br>Minneapolis, Minnesota  |
| <b>Date Posted</b>          | Sep. 16, 2024   |
| <b>Application Deadline</b> | Open until filled   |
| <b>Position Start Date</b>  | Aug. 25, 2025   |
| <b>Job Categories</b>       | Assistant Professor   |
| <b>Academic Field(s)</b>    | Ocean Engineering<br>Mining/Minerals<br>Geotechnical<br>Civil Engineering<br>Engineering - Other              |
| <b>Job Website</b>          | <a href="https://z.umn.edu/Geomechanics">https://z.umn.edu/Geomechanics</a>                                   |
| <b>Apply By Email</b>       |   |
| <b>Job Description</b>      |   |

**About the Job**

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The Department of Civil, Environmental, and Geo- Engineering at the University of Minnesota seeks applications for a tenure-track faculty position in the area of geomechanics focused on experimental methods, although all areas of geomechanics will be considered, including but not limited to: fracture mechanics, constitutive characterization, drilling mechanics, chemo-hydro-mechanical aspects, imaging technologies, microseismic sensing, and reservoir characterization.

We are interested in applicants with strong core fundamentals in science and engineering that allow them to move easily across disciplinary boundaries and work collaboratively to solve challenging problems at the frontier of our discipline, such as mineral carbon storage, CO<sub>2</sub> sequestration, enhanced geothermal systems, energy geotechnics, and extraterrestrial exploration.

### **Qualifications**

Successful candidates will be expected to maintain a strong externally funded research program. Teaching responsibilities include existing undergraduate and graduate courses in geoenvironmental engineering, as well as the development of new courses in the candidate's specialty areas. An earned doctorate is required at the time of the appointment. The position is intended for applicants at the Assistant Professor level but exceptional applicants at the Associate Professor or Professor level can be considered.

### **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. 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.

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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 on 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 your life outside of work.

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.

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### **How to Apply**

Applications must be submitted online, through Interfolio.

Please include a (i) cover letter, (ii) CV, (iii) contact information for three references, and statements on (iv) research experience and interests, (v) teaching experience and interests, (vi) experience fostering diversity and inclusion in the classroom and research.

The review of applications will begin December 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](mailto: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 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

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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  
Civil, Environmental, and Geo- Engineering  
University of Minnesota, Twin Cities  
500 Pillsbury Drive SE  
Minneapolis, MN 55455

**Phone Number** 6126251880

**Contact E-mail** [psiho002@umn.edu](mailto:psiho002@umn.edu)