



Geomechanics and Damage Group
DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING
COLLEGE OF ENGINEERING
UNIVERSITY OF WISCONSIN-MADISON

Multiple PhD candidates in geomechanics/damage mechanics/geophysics

Department: Civil and Environmental Engineering

Program: Geological Engineering

Application deadline: open until filled—at least one position open for Spring 2022 enrollment

Start date: Spring 2022 preferred, Fall 2022 acceptable

Description:

The [Geological Engineering](#) program in the Department of Civil and Environmental Engineering at the University of Wisconsin-Madison is seeking a PhD candidate to join the [Geomechanics and Damage Group \(GeoD\)](#).

The successful candidate has the opportunity participate in one or several projects relating to damage evolution, induced seismicity, poroelasticity, and enhanced geothermal systems. The successful candidate(s) for this position will be part of an interdisciplinary team that is involved with large-scale geothermal and damage mechanics projects. Opportunities will be available for the successful candidates to contribute to a number of tasks in experimental, numerical, and data science disciplines.

Applications will be accepted until the positions are filled. Interested candidates please send (1) a brief cover letter, (2) a CV, and (3) contact information for 3 references **in a single PDF** to Prof. Jesse Hampton (jesse.hampton@wisc.edu).

Requirements:

- BS in engineering, physics, material science, or a related field at the time of hire
- Excellent independent problem-solving skills
- Excellent writing skills

Desired:

- MS in engineering, physics, material science, or a related field at the time of hire
- Experimental experience with high-pressure high-temperature laboratory equipment
- Experience in data science and machine learning
- Field or industry experience in geothermal energy, oil and gas, mining, or other related laboratory settings