



TEXAS TECH UNIVERSITY

College of Arts & Sciences

Department of Geosciences

## Postdoctoral Research Associate in the Geomodeling Lab at Texas Tech University

### Tsunami and Earthquake Modeling

The Department of Geosciences at Texas Tech University invites applications for a Postdoctoral Research Associate position to advance our understanding of geohazards through geodetic and remote sensing data analyses and geophysical modeling. The initial appointment will be for 2 years (starting in 2023 August) with the possibility of extension, depending on funding availability and performance.

The successful candidate will be supervised by Dr. Jay Sui Tung (<http://www.myweb.ttu.edu/sutung>) in the Geomodeling Lab. The postdoc will work on interdisciplinary projects focused on numerical modeling and probabilistic studies for tsunami genesis, and earthquakes, in both natural and anthropogenic settings. He/she would be expected to both lead and assist with peer-reviewed articles, conference proceedings and presentations, and grant proposals as part of professional preparation.

#### **Qualifications**

PhD. in Geophysics, Geodesy, Civil/Environmental Engineering, Computer/data Sciences, Physics, Mathematics, Earth Sciences, or related discipline. Candidate should have strong skills in a technical programming language, such as IDL, Python, Matlab, C++, etc. Experience with geodetic analysis, finite element modeling and high-performance computing would be beneficial.

We look for self-motivated candidates with leadership skills and creative thinking. The postdoc would interact with other lab members and graduate students on different projects. Teaching and writing experiences would be a plus.

#### **Our Values**

We value inclusion, diversity, and equality. The Geomodeling Lab aims to provide a safe, welcoming, diverse and multicultural environment for students and postdocs to interact and carry out exciting research.

#### **How to Apply**

Please submit your application package, including (1) a cover letter (up to one page), (2) an updated CV, (3) a statement of research experience/plan (up to two pages), and (4) contact info for three references to [jay.sui.tung@ttu.edu](mailto:jay.sui.tung@ttu.edu). The review of applications will start on December 15, 2022, and continue until the position is filled.