Graduate Student Opportunities in the Geomodeling Lab at Texas Tech University

The Geomodeling Lab at the Department of Geosciences of Texas Tech University invites applications for **two PhD opportunities** to advance our understanding of geohazards through geodetic and remote sensing data analyses and geophysical modeling. **The two opportunities are fully-funded for 4 years and will start in 2023 Fall**:

PhD Study of Reservoir Modeling ▪ Reservoir Modeling of Oil/Gas and Geothermal Systems ▪ Induced Seismicity Analysis ▪ Space Geodesy	**PhD Study with Earthquake Modeling** ▪ Complex Fault Modeling for Global Earthquake Response ▪ Machine Learning ▪ Space Geodesy

The successful candidate will be supervised by **Dr. Jay Sui Tung** (http://www.myweb.ttu.edu/sutung) in the Geomodeling Lab. The students would be expected to both lead and assist with peer-reviewed articles, conference proceedings, and presentations, as part of professional preparation.

Qualifications

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

We look for self-motivated candidates and active team players with creative thinking.

Our Values

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

How to Apply

For full consideration, please contact Jay Tung by December 31, 2022, and complete applications should be received by January 31, 2023. If you have any questions, please feel free to email jay.sui.tung@ttu.edu

How to apply guide: https://www.depts.ttu.edu/gradschool/admissions/howtoapply.php
Department of Geoscience: https://www.depts.ttu.edu/geosciences
Geomodeling of Earth Sustainability Lab: http://www.myweb.ttu.edu/sutung

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