ASSISTANT PROFESSOR in Remote Sensing in the Environment
30684BR

Remote Sensing of the Environment

Department of Geosciences, Texas Tech University

The Department of Geosciences at Texas Tech University invites applications for a tenure-track faculty position with research and teaching expertise in remote sensing of the environment. The appointment will be at the rank of assistant professor position and the successful applicant is expected to begin their employment in Fall 2023. Candidates who have strong records of scholarship supported by extramural funding and who have the proven capacity or clear potential to bring externally sponsored research to Texas Tech University are encouraged to apply.

The successful applicant will build upon recent hires under the theme "Earth and Human Connections" and demonstrate ability or potential to establish and sustain a strong academic program in **Remote Sensing of the Environment**. The successful applicant will incorporate the study of human activities and their impact on processes occurring on Earth's surface and near-surface environments. Areas of research may include human-environment interactions with an emphasis on environmental hazards and disasters, land cover and monitoring land-use change on various spatiotemporal scales, linking to risk-mitigation, resource-management strategies, vulnerability assessment, promoting measures that enhance resiliency and sustainability, and the monitoring and modeling of natural and anthropogenic hazards. Climate change will continue to shape our environment, and linking between science and society to promote adaptation to environmental change is also an important consideration. Scientific methodologies in remote sensing could be in conjunction with fieldwork, experimental work and/or data analytics. The successful applicant is expected to contribute to teaching in the geography, GIST, geoscience, and environmental science programs.

Applicants are encouraged to link to existing departmental strengths, which include programs of research and teaching in atmospheric sciences, geography, geosciences and geophysics and complement existing research areas including land-change science, geomorphology, and human-environment interactions. Applicants must explain how they actively promote diversity, equity, and inclusion (DE&I) efforts in support of their research, mentoring, teaching efforts: these are important to the department and university, particularly as a Tier 1, minority-serving institution (MSI). Further, applicants should demonstrate how they will contribute to excellence in education for undergraduate and graduate students.

Other Information: The Department of Geosciences at Texas Tech University offers B.S., B.A., M.S. and Ph.D. programs in Atmospheric Science, Geology (with concentrations in Geophysics and Environmental Sciences), and Geography, and offers a Graduate Certificate in GIST. *The University is a Carnegie Tier 1 Minority Serving Institution (MSI), Texas Tech University is a Hispanic Serving Institution (HSI), and we seek candidates who have an ongoing commitment to serving our diverse >40,000 student population.* Applicants who demonstrate experience in mentoring and teaching minoritized students, leading grant-funded research with minoritized colleagues and students, and proactively seeking opportunities to engage with DE&I in the geosciences, will be prioritized. Service to the department, college, university, and community is expected.

Applicants will be encouraged to leverage existing research infrastructure, and to build new resources that enhance institutional capacity. The Department and University support intensive computational infrastructure provided by the university High Performance Computing Center (HPCC); Texas Tech maintains an Esri university site license providing access to the full suite of ArcGIS software for instruction and research; and, an array of physical and computational resources

Opportunities for collaboration exist through the Climate Center, Center for Geospatial Technology, National Wind Institute, Water Resources Center, Health Science Center, Environmental Engineering Group, USGS Water Science Center, National Weather Service (Lubbock), USDA-ARS, Departments of Environmental Toxicology, Plant and Soil Sciences and Biological Sciences.

A Ph.D. in relevant or related disciplines at the time of appointment is required. For full consideration of your application, completed applications should be submitted by January 1, 2023. Applications will be continually evaluated until the position is filled.

A complete application package will include **(a) letter of application**, **(b) curriculum vitae**, and **(c) three equally important statements** (2 pages each) that describe: 1) research experience and future goals, including a 5-year plan for establishing and maintaining a recognized and well-funded **research** program; 2) a plan for excellence in **teaching** that recognizes the value of self-reflective professional development; and 3) a description of ongoing and expected future contributions to **diversity, equity and inclusion** and how research, teaching, mentoring and professional service may foster and advance DEI goals in the University and our communities.

These documents may be uploaded at http://www.texastech.edu/careers/ using the **BR** requisition numbers **30684BR** Assistant Professor – Remote Sensing of the Environment or via the quick link, https://bit.ly/3rG08bg , this position. Questions should be emailed to Dr. Jeff Lee, Search Committee Chair (jeff.lee@ttu.edu) or Dr. Callum Hetherington (Chair, Department of Geosciences, callum.hetherington@ttu.edu). As an Equal Employment Opportunity Affirmative Action employer, Texas Tech University is dedicated to the goal of building a diverse faculty committed to teaching and working in a multicultural environment. We actively encourage applications from all those who can contribute, through their research, teaching, and service, to the diversity and excellence of the academic community at Texas Tech University. The university welcomes applications from minoritized candidates, women, veterans, persons with disabilities, and dual-career couples.