



Southern Methodist University (SMU) announces four faculty positions in the area of earth hazards and national security. These tenure-track positions are in the areas of atmospheric science and climate change; optical remote sensing; big data analysis and machine learning; and the socio-economic impacts of earth hazards, including environmental justice. Candidates will be expected to develop an outstanding research program and effectively teach and advise a diverse student body of graduate and undergraduate students. The multi-faculty hire represents an ambitious program to develop large-scale collaborative research projects responding to some of humankind's most daunting challenges. These positions will begin in the Fall of 2022.

As part of these hires, the Roy M. Huffington Department of Earth Sciences at Southern Methodist University invites applications for two positions at the level of assistant or associate professor in the areas of atmospheric science and climate change and optical remote sensing. The department engages in fundamental and applied research using quantitative, measurement-based approaches. Successful candidates will strengthen a research core focused on Earth system interactions with current specialties in atmospheric acoustics, radar remote sensing, seismology, tectonics, environmental studies, climate related systems associated with the solid Earth and/or atmosphere, water cycle and aqueous systems, life and its history, geochemistry, and natural and anthropogenic hazard and risk.

**Position No. 50827- Atmospheric Science and Climate Change.** We seek candidates with a broad background in climate and/or atmospheric science with expertise in global climate modeling over broad timescales and direct or proxy measurements of the current or past atmosphere. Candidates interested in working across timescales and synthesizing real-time atmospheric measurements with proxy data are strongly encouraged to apply. Candidate's areas of expertise might include, but are not limited to, modern atmosphere and its dynamics; the Earth's near-time geological record of climate change through geochemistry, sedimentology, geobiology; and integrative data science that speaks to climate history on our planet. Applicants for Position 50827 must submit their CV, statement of teaching and research interests, three letters of recommendation via Interfolio at <http://apply.interfolio.com/95548>.

**Position No. 06030- Optical Remote Sensing.** We seek candidates with a broad background in geological optical remote sensing with expertise on geohazards, Earth surface processes, land use dynamics, or critical zone studies. Candidates with experience analyzing remote sensing big data of different sources to understand processes, or developing methods for converting remote sensing image data into information relevant to environmental changes and monitoring applications are encouraged to apply. Applicants for Position 06030 must submit their CV, statement of teaching and research interests, three letters of recommendation via Interfolio at <https://apply.interfolio.com/95829>.

Applications received by December 1, 2021, will receive full consideration, but applications will continue to be accepted until the position is filled. A Ph.D. is required at the time of appointment. The committee will notify applicants of its employment decisions after the position is filled. Hiring is contingent upon the satisfactory completion of a background check. For more information, please visit the [Roy M. Huffington Department of Earth Sciences](#) or contact Stephanie Schwob, [sschwob@smu.edu](mailto:sschwob@smu.edu).

SMU is a nationally-ranked, private, non-sectarian research institution located in one of the nation's fastest growing metropolitan areas. Researchers are part of an inclusive and intellectually vibrant community of internationally recognized scholars across the humanities, social sciences, mathematical

sciences, engineering, and business. SMU offers excellent benefits including full same-sex domestic partner benefits. The City of Dallas is one of the nation's most cosmopolitan commercial and cultural centers, and the Dallas–Fort Worth metroplex is the fourth largest in the US. Dallas' quality of life is exceptional, with a relatively low cost of living and a variety of housing options. A full range of professional sports teams, music venues, a lively and innovative restaurant scene, and more make Dallas an extremely livable city. Explore SMU at <http://www.smu.edu>.

SMU will not discriminate in any program or activity on the basis of race, color, religion, national origin, sex, age, disability, genetic information, veteran status, sexual orientation, or gender identity and expression. The Executive Director for Access and Equity/Title IX Coordinator is designated to handle inquiries regarding nondiscrimination policies and may be reached at the Perkins Administration Building, Room 204, 6425 Boaz Lane, Dallas, TX 75205, 214-768-3601, [accessequity@smu.edu](mailto:accessequity@smu.edu).