

Assistant Professor in Earth and Planetary Sciences – Planetary Science

The Department of Earth and Planetary Sciences (EPS) in the College of Science (COS) at the University of Texas at San Antonio (<https://www.utsa.edu/sciences/earth-planetary-sciences/>) invites applications for the position of tenure-track, Assistant Professor beginning in August 2023 in the broadly defined area of Planetary Science.

The successful candidate's research will ideally complement and expand upon one or more areas of departmental expertise in water cycle science, geomorphology, geoinformatics, geology and geophysics, volcanology, sedimentology and stratigraphy, paleoenvironmental reconstruction, polar and climate sciences. Research areas of interest include, but are not limited to, astrobiology (e.g., extremophile behavior, origin and evolution of life on Earth, and the search for life in the Universe), astromineralogy (e.g., evolution of minerals, mineralogy of meteorites and other astromaterials), planetary surface processes (e.g., aeolian transport, impact cratering, space weathering, and volcanism), and planetary interiors (e.g. geophysical and geochemical modeling). Planetary analog site investigations, using field, experimental, and/or modeling approaches, are encouraged. Research interests on associated sustainability issues will be beneficial, for example microbiological applications in environmental science, remote sensing applied to mineral resource prospecting, or physical process modeling applied to geohazards.

Qualifications

Required Qualifications: A Ph.D. degree in Planetary Science, Geoscience, or a related field that aligns with our department research and teaching agenda, is required.

Preferred qualifications: Successful applicants should have a demonstrated potential to conduct independent research funded by competitive grants, to direct graduate student research at the M.S. and Ph.D. levels, and effectively teach students across the curriculum at the graduate and undergraduate levels. The successful candidate should demonstrate their ability to work collegially with faculty, students, and community members from diverse cultural backgrounds and support the University's commitment to thrive as a Hispanic Serving Institution and a model for student success.

UTSA and the College of Sciences

UTSA, a Hispanic Serving Institution (HSI), is committed to hiring diverse, promising, and accomplished faculty in key areas fundamental to our future as an R1, urban-serving, Hispanic thriving discovery enterprise, deeply committed to student success and academic excellence including growing doctoral education.

With a focus on innovation and excellence through research in the classroom, the College of Sciences is dedicated to producing the next generation of forward-thinking, highly trained professionals and leaders. The College is devoted to providing an inclusive environment that ensures that all students receive the encouragement, assistance, and superior educational experience that they will need to succeed in the natural sciences, health and medicine, information technology, data science, and other ventures.

Earth and Planetary Sciences faculty have opportunities to be involved in multiple centers and institutes along with access to world class user facilities.

- UTSA's NASA Center for Advancement Measurements in Extreme Environments ([CAMEE](#)) is focused on recruiting, educating, and mentoring a diverse group of undergraduate and graduate interdisciplinary students to become leaders in Earth system sciences, remote sensing technologies, computational fluid dynamics, and experimental fluid mechanics.
- Institute for Water Research, Sustainability and Policy ([IWRSP](#)) serves as an entity that draws faculty within UTSA, as well as water professionals from around the San Antonio area and South Texas region, to identify water-related problems, to facilitate areas of common research interests, to address water

resources for individuals, communities, agriculture, and industry, and to build an excellent research, teaching, and service center.

- The UTSA Kleberg Advanced Microscopy Center ([KAMC](#)) provides state-of-the-art technology in electron microscopy and advanced material characterization to support world-class research in nanotechnology, biology, chemistry, and materials sciences.
- Launching in Fall 2022, the School of Data Science ([SDS](#)) offers data-intensive degree programs and research across every discipline. Located on the Downtown Campus, the SDS has 16 research centers and institute partners, and offers 5 graduate degree programs, 2 undergraduate degree programs, and is comprised of 30 core faculty spanning disciplines from science, technology, engineering, math, business, education, and public health.
- The UTSA Research Computing Support Group ([RSGC](#)) provides access to high-performance computing (HPC) architecture for researchers on campus and facilitates use of the Texas Advanced Computing Center.

The University of Texas at San Antonio, with nearly 35,000 students, is the largest university in South Texas. The City of San Antonio has a population of over one million and is known for its rich Hispanic culture, historic attractions, affordable housing, and excellent medical facilities. Nearby higher education and research institutions include Southwest Research Institute, UT Health San Antonio, and the Texas Biomedical Institute.

Required Application Materials

- A **Cover letter** highlighting the candidate's professional development and vision of how they might complement and integrate within the EPS department with regard to research, teaching, and enhancing diversity.
- **Curriculum Vitae**
- A **Research statement** (up to 3 pages) including significant scientific contributions, and future research directions, and a **Teaching statement** (up to 2 pages) that includes teaching and mentorship contributions, and vision for future engagement with a diverse undergraduate and graduate student body in the classroom and the lab. Each of these statements must include a discussion of how the candidate incorporates or plans to incorporate diversity and inclusion in the academic environment.
- **Contact information** of 3 professional references, including name, address, email and telephone

Application materials are submitted via the UTSA Talent Acquisition website:

For External Applicants: <https://bit.ly/3e0KeFf>

For Internal Applicants: <https://bit.ly/3rtmmgE>

Applicants selected for interviews must show proof that they will be eligible and qualified to work in the United States by the time of hire. UTSA is an Affirmative Action/Equal Opportunity employer. Women, minorities, veterans, and individuals with disabilities are encouraged to apply.

Additional information about the Department of Earth and Planetary Sciences can be found on the following website: <https://www.utsa.edu/sciences/earth-planetary-sciences/>. In addition, questions may be directed to the search committee chair Alan Whittington at Alan.Whittington@utsa.edu.

Review of the completed applications will begin immediately and will continue until position is filled, with priority being given to applicants who submit completed packets by **November 1, 2022**. Incomplete applications will not be reviewed. UTSA employees enjoy a competitive, comprehensive, and family-friendly benefits package.