

**Job Title: Assistant/Associate Professor, Earth, Atmospheric, and Planetary Sciences****Principal Duties**

The [Department of Earth, Atmospheric, and Planetary Sciences](#) (EAPS), within the College of Science at Purdue University, invites applications for a tenure-track faculty position in measuring terrestrial climate drivers and feedbacks at the rank of Assistant or Associate Professor to begin in the 2023-24 academic year. The successful candidate will develop a vigorous, externally funded, internationally recognized research program and will teach and mentor undergraduate and graduate students.

**Qualifications**

Candidates must have completed their PhD in environmental science or a related field at the time of employment, have demonstrated excellence in research, and a strong commitment to teaching.

**Desired Research Area**

We welcome applications from candidates pursuing novel observations of land surface greenhouse gas emissions to further our understanding of the impacts of terrestrial processes, land management, or land cover change on the climate as well as positive or negative feedbacks on the climate. Candidates using observations to understand belowground physical and microbial processes that influence the emissions of greenhouse gasses (carbon dioxide, methane, nitrous oxide, etc.) and precursors to aerosols (e.g. ammonia and DMS) are particularly encouraged. Applications in natural ecosystems (e.g. wetlands and forests), managed agricultural landscapes, urban environments, and sequestration and extraction locations will all be considered. Candidates using in-situ field analyzers, laboratory measurements of discrete samples, as well as interpretation of remotely sensed atmospheric composition or surface processes are of interest. This position aligns with the departmental strategic theme of developing an integrated transdisciplinary Earth System research program to assess drivers and impacts of climate change and builds on existing analytical laboratory infrastructure including the [Purdue Stable Isotope facility](#). The potential to develop interdisciplinary, collaborative research that cuts across the department, the College of Science, and Purdue's other Colleges is desirable. Such transdisciplinary interests include climate change solutions, sustainability, ground/airborne/satellite proximal and remote sensing, big data applications, and natural-human systems interactions.

**The College and University**

At Purdue, candidates will find supportive colleagues and a diverse, vibrant, rapidly growing academic community, with ample opportunities for professional and personal growth. The EAPS department houses clean rooms, TIMS and ICP-MS instruments, and a noble gas mass spectrometry facility. EAPS is part of the College of Science, which comprises the physical, computing, and life sciences at Purdue. It is the second-largest college at Purdue with over 350 faculty and more than 6000 students. Purdue itself is one of the nation's leading land-grant universities, with an enrollment of over 50,000 students primarily focused on STEM subjects. For more information, see <https://www.purdue.edu/purduemoves/initiatives/stem/index.php>. Purdue is also home to the newly launched [Purdue Institute for a Sustainable Future](#) and the [Purdue Applied Microbiome Sciences Center](#). EAPS is aiming to hire in several interdisciplinary areas this year including terrestrial/planetary igneous petrology, the origins of life cluster, and advanced materials cluster. Additional information about all hiring activities at Purdue can be found at <https://careers.purdue.edu/>. Purdue University is an [ADVANCE](#) institution.

## **Application Procedure**

Applications should be submitted electronically at <https://careers.purdue.edu/job-invite/22524/> and include the following:

- a cover letter (1-2 pages)
- a curriculum vitae including relevant publications
- a statement of research (maximum 5 pages) including a vision for the research program the candidate hopes to build at Purdue
- a teaching statement (maximum 3 pages) including possible contributions to existing or new courses, undergraduate research experiences, and teaching philosophy
- a statement discussing past or future activities dedicated to advancing diversity, equity, and inclusion (maximum 1 page)
- contact information of at least three individuals who can provide letters of reference if the candidate advances in the review process

**Review of applications will begin November 14, 2022 and continue until the position is filled.**

A background check will be required for employment in this position. Questions related to this position should be emailed to the Chair of the Search Committee, Dr. Lisa Welp ([lwelp@purdue.edu](mailto:lwelp@purdue.edu) and copy [eaps-faculty-search@purdue.edu](mailto:eaps-faculty-search@purdue.edu)).

Purdue University, the College of Science, and the Department of EAPS are committed to advancing diversity in all areas of faculty effort, including discovery, instruction, and engagement. Candidates are encouraged to address in their cover letter how they are prepared to contribute to a climate that values diversity and inclusion.

Purdue University, the College of Science, and the Department of EAPS are committed to free and open inquiry in all matters. Candidates are encouraged to address in their cover letter how they are prepared to contribute to a climate that values free inquiry and academic freedom.

*Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.*