Assistant/Associate Professor in Earth, Atmospheric, and Planetary Sciences
Purdue University

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 modeling cloud microphysical, aerosol, or chemical interactions at the rank of Assistant or Associate Professor to begin in the 2022-23 academic year.

Qualifications: Candidates must have completed their PhD in Atmospheric Science or related field at the time of employment. The successful candidate should be able to develop: a vigorous, externally funded, internationally recognized research program; a complementary, excellent undergraduate and graduate teaching and mentoring portfolio; a demonstrated commitment to diversity, equity, and inclusion.

We seek candidates that are pursuing novel, integrative modeling approaches to improving understanding and prediction of cloud microphysical, aerosol, and chemical processes, and their interactions with weather and climate. An emphasis on including these novel processes for the purpose of improving predictions of cloud formation, convection, precipitation or atmospheric radiative properties within weather or climate models is especially of interest.

This position aligns with departmental strategic themes of 1) climate and extreme weather and 2) interactions across scales and across systems, and complements recent hires spanning expertise in mesoscale, synoptic, and planetary scale dynamics, extreme weather, radar remote sensing, cloud microphysics and aerosol observations, atmospheric chemistry, air quality, paleoclimate and planetary atmospheres. The potential to develop interdisciplinary, collaborative research that cuts across specialty areas within the department, the College of Science, and Purdue’s broader community is desirable. These cross and trans-disciplinary interests include natural hazards prediction, climate change solutions, food-energy-water security, ground/airborne/satellite remote sensing, “big data”, and natural-human systems interactions.

The College: Within EAPS and Purdue, candidates will find supportive colleagues and a diverse, vibrant, rapidly growing academic community, with ample opportunities for professional and personal growth. 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. With multiple commitments of significant investment and strong alignment with Purdue leadership, the College is committed to supporting existing strengths and enhancing the scope and impact of EAPS. These positions are a central component of a large-scale interdisciplinary hiring effort across key strategic areas in the College, including mathematical and computational foundations, quantum computation, and data science, and aligns with the new campus-wide key strategic priority declared by Purdue’s Board of Trustees including the Integrative Data Science Initiative (see https://www.purdue.edu/data-science/).

Purdue itself is one of the nation’s leading land-grant universities, with an enrollment of over 41,000 students primarily focused on STEM subjects. For more information, see https://www.purdue.edu/purduemoves/initiatives/stem/index.php.
Application Procedure: Interested applicants should apply at https://career8.successfactors.com/sfcareer/jobreqcareer?jobId=16137&company=purdueuniv. Applicants should submit their application to this site including a cover letter and a complete (1) curriculum vitae, (2) teaching plan, (3) research plan, (4) a diversity and inclusion statement indicating past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion, and (5) names and contact information for at least 3 references.

Purdue University's Department of Earth, Atmospheric, and Planetary Sciences is committed to advancing diversity in all areas of faculty effort, including: scholarship, instruction, and engagement.

Review of applications will begin December 6, 2021 and continue until the position is filled. Questions related to this position should be sent to Matthew Huber (eaps-faculty-search@purdue.edu). A background check will be required for employment in this position. Purdue University is an ADVANCE institution.

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