

TENURE TRACK - OPEN RANK

Campus/Location:

University Park Campus

Date Announced:

09/08/2016

Date Closing:

open until filled

Job Number:

66477

Classification:

Exempt

Work Unit:

College of Earth and Mineral Sciences

Department:

Department of Meteorology and Atmospheric Science, Department of Statistics and the Institute for CyberScience

DESCRIPTION

The Department of Meteorology and Atmospheric Science, the Department of Statistics and the Institute for CyberScience at The Pennsylvania State University invite applications for a tenured or tenure-track position at any rank (Assistant/Associate/Full Professor) with demonstrated contributions applying analytical approaches to weather and climate risk assessment. The effective assessment of risk relies both on detailed understanding of the physical weather and climate system and on the ability to rigorously and comprehensively make sense of the many available sources of data. Remote and terrestrial sensor networks, as well as output of large computer simulations, contain enormous amounts of exploitable information and the challenge is to develop and apply sophisticated analytical tools necessary to reveal the meaningful patterns. The successful candidate will have a demonstrated understanding of atmospheric science and

statistics, and will be expected to develop strong collaborations with other faculty members to advance excellence in research and teaching in both departments. Further, the candidate will provide leadership to cement the growing collaborations between the departments and the Institute for CyberScience in the exploitation of large and complex datasets to enhance our quantitative understanding of weather and climate risks. Each department has a large faculty engaged in a wide range of research and teaching activities, providing a fertile environment for collaboration and professional growth, and attracting large numbers of outstanding students. The tenure home will be in the Department of Meteorology and Atmospheric Science. Applicants require a Ph.D. in atmospheric science, statistics or a closely related discipline, strong research and teaching potential, and excellent verbal and written communication skills. The Institute for CyberScience (ICS; <http://ics.psu.edu>) is one of Penn State's five university-wide research institutes that accelerate discovery and advance interdisciplinary, collaborative team science. The ICS has 24 tenure-line faculty spread across the university, cultivating a diverse and growing community of scholars engaged in interdisciplinary computation- and data-enabled research and learning, and houses the Advanced Cyber Infrastructure (ICS-ACI), the center of high performance computing at Penn State. Further information on the departments and the institute can be found at <http://www.met.psu.edu>, <http://www.stat.psu.edu>, and <http://ics.psu.edu>. Information inquiries about and/or nominations for this position may be directed to Professor Hans Verlinde, Department of Meteorology and Atmospheric Science, at jxv7@psu.edu. Applications should be submitted online and include a cover letter with a statement of professional interests, a curriculum vitae, and the names and addresses of four references. We encourage applicants who can help us maintain a diverse and inclusive workplace. Penn State is located in the center of Pennsylvania and is surrounded by the Appalachian Mountains and state forestland. The adjoining town of State College combines many amenities typically found in large metropolitan areas with the benefits of a small town boasting a highly educated population. Review of applicants will begin immediately and applications received by November 15, 2016 will receive full consideration.