The School of Meteorology at the University of Oklahoma (http://meteorology.ou.edu) invites applications for a tenure-track Assistant or Associate Professor focused on **Data Analytics.**

The Mission of the College of Atmospheric and Geographic Sciences is to provide a world-class academic experience that promotes convergent and innovative education and research at the intersections of weather, climate, and sustainability. To fulfill our mission, we are dedicated to preparing students for successful careers in the private sector, academia, government agencies, and non-governmental organizations.

Data Analytics. We seek an innovative scholar to contribute to research on the applications of data analytics to weather and climate. The ideal candidate will use data analytics approaches, such as Artificial Intelligence (AI) and Machine Learning (ML), to improve the prediction and/or understanding of weather and climate, especially for time scales ranging from subhourly through subseasonal to seasonal. This position offers collaborative potential with the new OU Data Science Institute for Societal Challenges. Examples of expertise sought include, but are not limited to: i) The development and use of analytics techniques to process big data and model outputs, ii) Advancing the design of hybrid AI/numerical models, and iii) Furthering the use of data analytics techniques to improve our understanding and ability to predict high-impact and severe weather, which are increasing with climate change.

This position is embedded within a multi-year College-level effort to become a global leader in Earth System Predictions and Community Resilience Research. This is one of seven positions in a successful strategic cluster hire in High Impact and Severe Weather research that began in 2021. The Committee Chair for this search is Dr. Cameron Homeyer, chomeyer@ou.edu.

School of Meteorology: The ideal candidate will have the potential to contribute to research and educational activities in our intellectually diverse department. Applicants must possess a PhD in Meteorology, Atmospheric Science, Computer Science, or a related discipline at time of appointment. The successful applicant will be expected to develop a vigorous, independent research program, to teach in the School of Meteorology (the standard load is 1-1), and to contribute to mentorship and advisement of students in our undergraduate and graduate degree programs.

The School of Meteorology is currently composed of 28 faculty and has a long and distinguished history of excellence in various sub-fields of meteorology. Our vision, i.e., to "*Develop the School into a globally-engaged, student-centered atmospheric science program to advance the Nation's Weather, Water, and Climate enterprise, by leveraging our strengths in research, education, and community engagement*" is articulated in the recently developed Strategic Plan (SP2030).

The University of Oklahoma is a Carnegie-R1 comprehensive public research university known for excellence in teaching, research, and community engagement, serving the educational, cultural, economic and health-care needs of the state, region, and nation from three campuses: Norman, Health Sciences Center in Oklahoma City and the Schusterman Center in Tulsa. OU enrolls over 30,000 students and has more than 2700 full-time faculty members in 21 colleges. OU is committed to growth in research, student success, affordability, and societal enrichment, as articulated in the *Lead On* strategic plan released in 2020.

Norman is a vibrant university town of around 113,000 inhabitants with a growing entertainment and art scene. With outstanding schools, amenities, and a low cost of living, Norman is a perennial contender on "best place to live" rankings.
Visit http://www.ou.edu/flipbook and http://soonerway.ou.edu for more information. Within an easy commute, Oklahoma City features a dynamic economy and outstanding cultural venues adding to the region's growing appeal.

Application Materials Requested: To apply, submit a letter of interest, a *curriculum vitae*, a list of three people who can serve as references (with e-mail addresses and telephone numbers), and separate brief (~2-3 pages each) statements regarding 1) research, 2) teaching, and 3) service. The research statement should summarize your prior contributions to research and your goals for developing a research program at OU. The teaching statement should summarize past instructional and mentorship experiences, plans/goals for teaching at OU (including existing and proposed courses), and advising a diverse cohort of undergraduate and graduate students.

Please submit all these materials in one file to http://apply.interfolio.com/112260. Screening of applications will begin on October 15, 2022, and will continue until the position is filled.

Equal Employment Opportunity Statement

The University of Oklahoma, in compliance with all applicable federal and state laws and regulations does not discriminate on the basis of race, color, national origin, sex, sexual orientation, genetic information, gender identity, gender expression, age, religion, disability, political beliefs, or status as a veteran in any of its policies, practices, or procedures. This includes, but is not limited to: admissions, employment, financial aid, housing, services in educational programs or activities, or health care services that the University operates or provides.

Diversity Statement

The University of Oklahoma is committed to achieving a diverse, equitable and inclusive university community by recognizing each person's unique contributions, background, and perspectives. The University of Oklahoma strives to cultivate a sense of belonging and emotional support for all, recognizing that fostering an inclusive environment for all is vital in the pursuit of academic and inclusive excellence in all aspects of our institutional mission.