Research Scientist/Associate - Hail Climatologist

Position Description

The Cooperative Institute for Severe and High-Impact Weather Research and Operations (CIWRO) at the University of Oklahoma currently is seeking a research scientist or research associate to construct a refined hail climatology for improving the understanding of hail occurrence to help support an Industry Proving Ground proposal. The researcher will develop an improved understanding of historical hail frequency and drivers of these events ranging from storm-scale to synoptic-scales. The primary tasks of this position are to construct a higher-resolution, multi-decadal hail climatology, help produce a polarimetric retrospective radar reanalysis, and investigate the storm and environmental characteristics associated with hail. This position will be located in Norman, Oklahoma at the National Weather Center on the campus of the University of Oklahoma.

Job Responsibilities

- Develop a high-resolution hail climatology to better constrain historical hail frequency;
- Construct a polarimetric radar retrospective for use in building the hail climatology;
- Attend meetings and professional conferences to present research results and interact with collaborators;
- Provide support for regular summaries of work accomplished through reports and/or peer-reviewed publications as needed;
- (Research Scientist only) Lead research leveraging the hail climatology to identify storm characteristics, near-storm environments, and synoptic-scale conditions that lead to hail;
- (Research Scientist only) Build an independent hail and severe storms research portfolio through lead-author publications and proposals.

Qualifications

- Ph.D. (Research Scientist) or M.S. (Research Associate) in Meteorology, Atmospheric Science, or a related area;
- Preferred expertise in *one* of the following areas: Interpretation and analysis of radar signatures and near-storm environments associated with hail, manipulation and generation of large datasets especially radar and meteorological data, and/or machine learning;
- Experience with scientific programming on Linux systems using a high-level language (e.g., C++, Python, Java);
- Strong oral and written communication skills.

This position requires physical presence in Norman but may permit a hybrid work schedule.

Benefits and Work-Life Balance

Joining our team comes with numerous benefits, including:

- Competitive salary based on experience and comprehensive university benefits (http://hr.ou.edu/).
- Generous paid leave, encompassing 15 paid holidays and 22 hours of paid time off per month.

- Reduced membership at The University of Oklahoma's state-of-the-art fitness and aquatic center (https://www.ou.edu/far).

More details about working at the University of Oklahoma, benefits packages, as well as living in Norman, Oklahoma are provided on our website: https://jobs.ou.edu/Discover-OU.

We are dedicated to promoting a healthy work-life balance by championing a flexible work culture, offering adaptable work hours and a hybrid work arrangement. This empowering framework enables team members to navigate personal commitments while effectively contributing to their professional responsibilities.

How to Apply

To apply, please submit:

- A cover letter highlighting your interest in the position and describing how you meet the position qualifications,
- Your up-to-date resume/CV, and
- A list of three professional references.

Send your application materials to: ciwro-careers@ou.edu. Please use the subject line: "**ATTN: Hail Climatologist**." Applications will be accepted until the position is filled. The starting date is negotiable.

The University of Oklahoma is an equal opportunity/Affirmative Action employer.