CIWRO Postdoctoral Researcher

Position Description

This is a **Postdoctoral Researcher** position on our **Storm Prediction Center Team** within the Cooperative Institute for Severe and High-Impact Weather Research and Operations (CIWRO) at the University of Oklahoma in collaboration with **NOAA's National Weather Service (NWS)/Storm Prediction Center (SPC)**.

Overview

The SPC Team within CIWRO is currently looking for a recent Ph.D. graduate with expertise in mesoscale convective system (MCS) analysis and forecasting based on data from convection-allowing models. The ideal candidate is someone who has a background in the development and application of technology in support of severe weather forecast operations, is highly collaborative, and can communicate well with forecasters and peer researchers. In this position, the incumbent will work directly with development meteorologists and operational forecasters at the SPC and will have opportunities to interact with NOAA and academic scientists within the NWS, NOAA, and the broader meteorological community.

Job Responsibilities

As a CIWRO Postdoctoral Researcher working with the SPC, you will provide scientific and meteorological expertise, along with technical support for the development of advanced mesoscale hazardous weather prediction techniques. More specifically, the list below describes potential projects:

1. Developing and/or improving applied research techniques and tools to improve the classification and forecasting of MCSs based on convection allowing model (CAM) output, such as High-Resolution Ensemble Forecast data.
2. Facilitating and executing experiments associated with MCS forecasting in the Hazardous Weather Testbed (HWT).
3. Represent CIWRO/SPC by contributing to formal and informal scientific publications and attending off-site conferences, workshops, symposia, and hazardous-weather-related outreach events; and
4. Perform other duties as assigned.

Regular working hours will be observed except for occasional irregular hours during data collection, warning/forecast experiments, or workshops conducted at remote locations. Additionally, occasional travel is expected. This position will be located in Norman, OK at the National Weather Center (https://www.ou.edu/nwc).

Qualifications

The minimum qualifications for this position are:

1. A Doctoral Degree in Meteorology, Atmospheric Science, Computer Science, or a related area
2. Experience in the analysis of MCSs using data from convection allowing models.
3. United States citizenship or permanent residency.

Preferred qualifications for this position include:

1. Experience working with the National Weather Service; and
2. Experience working with a Software Development Life Cycle.

Benefits

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

How to apply

Applications should be mailed to ciwro-careers@ou.edu and include a cover letter, the names and contact info for 3 references, and your resume/cv. When applying, please include your experience with CAMs, high-performance computing, Linux (UNIX) environments, and meteorological verification software packages, such as MET/METplus. Questions regarding the position should be directed to Dr. David Jahn at djahn@ou.edu .

Applications will be accepted until **October 11, 2024.** The starting date is negotiable.

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