



## **Postdoctoral Research Associate – Probabilistic Impact Flash Flood Products**

### **Position Description**

The Cooperative Institute for Severe and High-Impact Weather Research and Operations (CIWRO) at The University of Oklahoma is currently seeking a Postdoctoral Research Associate to advance efforts with developing probabilistic impact-based flash flood products within the Flooded Locations and Simulated Hydrographs (FLASH) system. This collaborative work with NOAA's National Severe Storms Laboratory (NSSL) presents an exciting opportunity to shape the future of hydrologic modeling and flash flood prediction capabilities that can drive new probabilistic forecast output and warning decision products.

### **Job Responsibilities**

- Lead efforts in the development of new probabilistic impact-based flash flood products that would help predict the potential flash flood severity
- Contribute to the design, implementation, and testing/validation of probabilistic impact-based products with that of flash flood report databases
- Work with an interdisciplinary team of scientists and engineers to design, develop, and experimentally implement these impact-based products within the FLASH system
- 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

### **Qualifications**

- Ph.D. in Hydrology, Meteorology, Atmospheric Science, or a related field
- Knowledge of and interest in the application of probabilistic information to hydrologic modeling
- Proficiency in high-level programming languages
- Strong ability to research, troubleshoot, and independently resolve unfamiliar problems
- Excellent oral and written communication skills with an ability to work both independently and cooperatively with others

Based at the National Weather Center in Norman, OK (<https://www.ou.edu/nwc>), this position promises not only professional growth and promotion potential but also the chance to impact the broader scientific community. This position requires physical presence in Norman.

### **Benefits**

- Competitive salary based on experience and comprehensive university benefits.
- Generous paid leave, encompassing 14 paid holidays and 22 hours of accrued paid time off per month.
- Reduced membership at the University of Oklahoma's state-of-the-art fitness and aquatic center.

More details about working at the University of Oklahoma, benefits packages, as well as living in Norman, Oklahoma are provided on our website: <https://www.ou.edu/hr>.

### **How to Apply**

Applications should be emailed to [ciwro-careers@ou.edu](mailto:ciwro-careers@ou.edu), Attn: FLASH, and include:

- A cover letter highlighting your interest in the position and describing how you meet the position qualifications,
- The names and contact information for three references
- Your résumé/CV

The cover letter must highlight your relevant qualifications and how they can contribute to high resolution fire weather forecasting. 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.*