NATIONAL WIND INSTITUTE

TEXAS TECH
Research & Innovation

Open Positions - Development of Texas Flood Monitoring and Modeling System
The State of Texas is advancing its flood forecasting and warning capabilities through the development of a high-resolution, Texas-focused weather monitoring and modeling system. This initiative will equip forecasters and decision makers with the most accurate, real-time information to reduce the risks posed by flash floods and other high-impact weather events statewide. The effort represents a major step toward building a state-of-the-art weather intelligence system that safeguards lives, property, and the Texas economy. This work will be based at Texas Tech University, where we are seeking three new research personnel to help lead and execute these critical objectives.

Position 3: Product Development and Integration
This position will leverage expertise in observational weather systems (e.g., surface stations, rain gauges, weather radars) and numerical weather prediction (NWP) outputs to develop innovative data products and visualization tools. Collaborating with Texas state agencies, emergency management teams, operational forecasters, and community stakeholders, you will deliver time-critical, user-focused solutions to enhance flood preparedness, support rapid severe weather response, and bolster resilient planning across Texas. The most desirable candidates will have a Ph.D. in Atmospheric Sciences or Data Science, will possess experience handling weather station and radar data, will have expertise in visualization and mapping tools (such as ArcGIS), will possess excellent communication skills to collaborate with non-technical audiences, such as policymakers or responder, to present and develop custom user-focused data products and tools and will work will within a team environment.

Position 42629BR - Apply at https://tinyurl.com/yeypad5y

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