



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 1: High-Resolution Ensemble Forecast Development and Implementation

This position will focus on 1) the design, implementation, and maintenance of a real-time Texas high-resolution (~1-2km grid spacing) ensemble modeling system producing probabilistic 2-3 day forecast guidance, and 2) the generation of system data streams that can support products for specific key user groups (e.g., Texas Department of Emergency Management, Texas Department of Transportation, and National Weather Service). The most desirable candidates will have a Ph.D. in Atmospheric Sciences, Engineering, or Computer Sciences, will have experience running convection-allowing numerical weather prediction models on high-performance computing platforms, will possess the know-how to configure and setup high-performance computing resources, and will work well within a team environment.

Position 42631BR - Apply at <https://tinyurl.com/24ckycxf>



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