

CIMMS Research Associate for Warn-on-Forecast

The Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at the University of Oklahoma (OU) seeks to fill a Research Associate position to support the National Oceanic and Atmospheric Administration (NOAA) National Severe Storms Laboratory's (NSSL) Warn-on-Forecast (WoF) research and development effort. NOAA's WoF program seeks to develop a storm-scale ensemble prediction system to help increase warning lead times of severe thunderstorms, heavy rainfall, and tornadoes. The incumbent will interact collaboratively with researchers and operational forecasters within the National Weather Center (NWC) in Norman, OK, NOAA National Weather Service (NWS) National Centers for Environmental Prediction (NCEP) Weather Prediction Center (WPC), and Weather Forecast Offices (WFOs) to support the development and evaluation of WoF system for operational testing and implementation. The dynamic research and operational working environment at the NWC in Norman, OK will provide the candidate with ample opportunities for career advancement.

Responsibilities:

1. Assist in the development and testing of the experimental WoF ensemble data assimilation and prediction system.
2. Set-up and run the WoF system for real-time experiments.
3. Assist in the development of novel post-processing, visualization, and verification tools using MET software.
4. Assist in assessing the usability, strengths, and limitations of the WoF system both in NWS operations and during Hazardous Weather Testbed experiments.
5. Attend meetings, workshops, and professional conferences to present research results and interact with operational forecasters, collaborators, and users.
6. Write technical and training materials and attend seminars to stay abreast of current developments in related areas.
7. Perform related duties as assigned.

Desired Qualifications:

1. A Master's degree or higher in Meteorology, Atmospheric Science, Computer Science or related area.
2. Experience in high-resolution NWP model, advanced data assimilation systems (such as GSI, EnKF, WRF DA), DTC's Model Evaluation Toolkit (MET), probabilistic severe weather forecasting, and research to operations (R2O).
3. Strong programming (e.g., Fortran, C, C++) and scripting (e.g. Python, NCL) skills, and experience with Linux (or Unix) operating systems.
4. Excellent oral and written communication skills.
5. Ability to work and communicate effectively in diverse team environments.

Normal working hours will be observed except for occasional irregular hours during real-time experiments.

The position is expected to begin October 2018. Salary will be competitive depending on experience and qualification with University of Oklahoma benefits. Information on benefits may be found at <http://hr.ou.edu/>.

To apply for the position, please forward your resume, cover letter and list of three references to:

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