

## **Post-Doctoral Scholar Position at North Carolina A&T State University**

Applications are encouraged for a Post-Doctoral Scholar Position at North Carolina A&T State University. The postdoc's principal research responsibilities will be determining the strength and longevity of the wildfire by examining the new fire weather index, such as the "Hot-Dry-Windy" (HDW) Index, using the WRF-SFIRE model. The postdoc will confer with Dr. Yuh-Lang Lin on overall research direction and strategy but will exercise a considerable amount of independent judgment and original thinking in carrying out research that contributes to original knowledge and advances the University's reputation in research. The employee will publish research results, in collaboration with Dr. Lin, in recognized journals. The postdoc will share student mentoring with Dr. Lin and will participate in departmental seminars and other professional activities as assigned. The postdoc will carry out research on the dynamics of mesoscale environments conducive to wildfires using the weather research and forecasting (WRF) model, funded by NSF.

The position is based at the Department of Physics, North Carolina A&T State University, with funding support from NSF for a term of 1 year. We seek candidates with a Ph.D. awarded within the last five years in Atmospheric Science, specializing in dynamics, modeling, and programming and having a strong experimental and theoretical background with evidence of experimental and theoretical skills, especially related to the WRF model. The postdoc will be appointed to a one-year appointment with the possibility of renewal for up to two additional one-year terms.