POSITION AVAILABLE

Postdoctoral Research Associate in Atmospheric Sciences
GeoResources Institute, Mississippi State University
Date of Announcement: 21 June 2007

Function
The GeoResources Institute (GRI) at Mississippi State University (MSU) has a mature research program in several areas of meteorology and atmospheric sciences, including tropical cyclones and coastal meteorology, numerical weather prediction, satellite meteorology, and land-atmosphere interactions. GRI funded annually at levels greater than $15million by federal agencies, including NASA, USGS, DHS, and NOAA. GRI is a member of MSU's High Performance Computing Collaboratory, with access to a variety of supercomputing clusters, regularly ranked in the top 20 most powerful academic computing sites in the United States. GRI is seeking to fill a postdoctoral research associate position that involves satellite meteorology and evaluating the impact of satellite data using numerical weather prediction models in coastal and urban areas. The position is available immediately.

Duties and Responsibilities
The successful candidates will work with a multi-disciplinary team on research projects, sponsored by the NASA Applied Sciences program, focused on the evaluation of NASA's current and planned satellite data for earth science applications using numerical weather prediction models (NWP). She/he will evaluate various satellite data sets using observing system simulation experiments (OSSE), characterize their uncertainties, and quantify their impacts in coastal and urban areas.

Qualifications
We are looking for highly motivated candidates with a PhD in Atmospheric Sciences, Oceanography, Earth/Physical Sciences, Mathematics, Engineering, and/or related fields. Experience in analyzing remotely sensed data and/or their applications using numerical weather prediction models, such as WRF, COAMPS or MM5, is necessary; and working experience in a high performance computing environment is valuable. Expertise with programming languages such as FORTRAN, and/or C, C++ and use of data analysis software (MATLAB, GrADS) and scripting languages (Perl, Python, etc.) are also essential. Knowledge and experience with data assimilation techniques, boundary layer processes, and urban scale atmospheric and dispersion modeling will also be beneficial.

Contact Information
For more information about the positions, please contact Lori Mann Bruce in the GeoResources Institute – Email: bruce@gri.msstate.edu and Tel: (662)325-8430. **Interested applicants should apply online at:** http://www.jobs.msstate.edu **for each position of interest and submit a cover letter, a summary of research experience, and a list of three professional references (with their contact telephone numbers and email addresses) – preferably as PDF file(s).** Mississippi State University is an equal opportunity / affirmative action employer.

Mississippi State University does not discriminate on the basis of race, color, religion, national origin, sex, age, disability, or veteran status.