

**Post Master's Research Associates in Distributed Climate  
Statistics, Hydrologic Modeling, and Earth Science  
Informatics**

**Computational Sciences and Engineering Division  
Computing and Computational Sciences Directorate  
Oak Ridge National Laboratory  
Oak Ridge, Tennessee**

ORNL08-96-CSE

**Project Description:**

The Computational Sciences and Engineering Division at the Oak Ridge National Laboratory (ORNL) anticipates and invites applications for multiple, interdisciplinary positions at the post-MS level in the areas of distributed climate statistics, hydrologic modeling, and earth science informatics.

The position in distributed hydrologic modeling requires a strong background in surface hydrological processes, mathematical model development, as well as object-oriented and/or GIS based software coding. The position in climate statistics requires a background in climate and hydrologic sciences as well as in the data sciences (e.g., statistics, data mining and/or nonlinear dynamics, especially for time series and space-time data). The position in earth science informatics requires a background and interest in the climate or hydrologic sciences, as well as in the areas of management, analysis, mining, and visualization of geographic data.

Exceptional candidates in computer / computational sciences or statistics and data mining, with strong background and interdisciplinary expertise in data mining, nonlinear dynamics or geographic information systems, are encouraged to apply as long as there is demonstrable interest in the science of climate change or climate change impacts. Civil and environmental engineers with research focus in hydrology, hydro-meteorology or hydro-climate, with interests in climate change impacts, water resources, natural hazards, and infrastructural or societal risk analysis, are especially encouraged to apply. Interested applicants may contact Auroop Ganguly ([gangulyar@ornl.gov](mailto:gangulyar@ornl.gov)) if there are specific questions about the position. A detailed CV with complete list of publications and a few paragraphs describing prior research experience and future interests are required with the application. A copy of one or two (maximum) papers or manuscripts may be submitted.

**Qualifications:**

This position requires a master's degree in earth or geosciences, computer sciences, or mathematics/statistics. Applicants cannot have received the most recent degree more than five years prior to the date of application and must complete all degree requirements before starting their appointment.

**How to Apply:**

Qualified applicants must apply online at [https://www2.ornl.gov/ORNL\\_POST/](https://www2.ornl.gov/ORNL_POST/). All applicants will need to register before they can begin the online application. For complete instructions, on how to apply, please see the instructions at <http://www.ornl.gov/orise/edu/ornl/ornl-pdpm/application.htm>. When applying for this position, please reference the position title and number.

This appointment is offered through the ORNL Postgraduate Research Participation Program and is administered by the Oak Ridge Institute for Science and Education (ORISE). The position is open to citizens or legal permanent residents of the US or Canada without regard to race, color, age, religion, sex, national origin, physical or mental disability, or status as a Vietnam-era veteran or disabled veteran.