

Post Master's or Postdoctoral Research Associate in Geospatial Data and Information Sciences [#2]

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

ORNL09-63-CSED

Project Description:

The Geographic Information Science and Technology (GIST) Group in the Computational Sciences and Engineering Division (CSED) is searching for Postdoctoral staff to conduct analytical studies and research projects using advanced statistical techniques to analyze various spatial relationships with demographic data. Projects tasks include developing information mining techniques that will enable analyzing large volumes of quantitative and qualitative demographic data for both domestic and international regions.

The selected candidate will:

- develop demographic databases
- develop or adapt data mining techniques and algorithms for analyzing large volumes of geospatial and demographic data
- supervise staff on technical projects
- produce conference and journal articles emphasizing the project's research contributions

Qualifications:

The successful candidate is expected to have completed their Master or Ph.D. studies in the field(s) of human geography, demography, or cultural anthropology with a broad theoretical knowledge of the discipline. Experience with demographic modeling and knowledge of ethnographic patterns and relationships are essential. The candidate must possess an understanding of survey research design and statistical sampling methodology for developing demographic projections, estimates, and analyses. Excellent communication skills are essential.

Applicants cannot have received the most recent degree more than five years prior to the date of application appointment and must complete all degree requirements before starting their appointment.

Technical Questions:

Contact Budhendra Bhaduri at bhaduribl@ornl.gov . Please reference the position title and number when corresponding about this position.

How to Apply:

Qualified applicants may apply online at 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 Postdoctoral Research Associates Program and is administered by Oak Ridge Associated Universities (ORAU). This appointment is open to all qualified U.S. citizens without regard to race, color, age, religion, sex, national origin, physical or mental disability, or status as a Vietnam-era veteran or disabled veteran.