

## **Post-Master's Research Associate in Network Simulation Research**

**Center for Engineering Science Advanced Research  
Oak Ridge National Laboratory  
Oak Ridge, Tennessee**

ORNL10-44-CSMD

### **Project Description:**

The Center for Engineering Science Advanced Research (CESAR) in the Computer Science and Mathematics (CSM) Division of the Oak Ridge National Laboratory (ORNL) seeks candidates for innovative research in network simulation research.

A graduate research position is available to assist in an ongoing project at Oak Ridge National Laboratory. The student will help design high performance computer networks by performing network simulation and analysis. The student will work with network simulators such as OPNET, OMNEST, and NS-2 for wide area network design.

ORNL is a multi-program research facility managed by UT-Battelle for the US Department of Energy. It is an equal opportunity employer and committed to building and sustaining a culturally diverse work place. ORNL is located near the city of Knoxville, in East Tennessee at the foothills of the Smoky Mountains and enjoys a mild climate all year round. Exceptional educational facilities are available, including the Oak Ridge School System, one of the best in the country.

### **Qualifications:**

The candidate must have a bachelor's/master's degree in Electrical/Computer Engineering/Computer Science (or related field) with background in network performance analysis and discrete event simulation. Knowledge of C/C++ is a must. Knowledge of MATLAB and optical networks is a plus. Student will be required to spend time at Oak Ridge National Lab. 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.

Each opening corresponds initially to a Postgraduate / Post-master's position that may potentially grow to full staff member position. Starting salaries depend on qualifications and experience. Relocation costs may be partially/fully reimbursed.

### **Technical Questions:**

Interested candidates may contact Dr. Neena Imam, Center for Engineering Science Advanced Research, Computer Science and Mathematics Division, Oak Ridge National Laboratory, 1 Bethel Valley Road, Oak Ridge, TN, 37831-6015, USA. E-mail to: [imamn@ornl.gov](mailto:imamn@ornl.gov). Please include the requisition number and title when corresponding.

**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>.

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 program is open to all qualified U.S. and non-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.