

**Postdoctoral Research Associate
in Future Technologies Group**

**Computer Science and Mathematics Division
Oak Ridge National Laboratory
Oak Ridge, Tennessee**

ORNL10-29-CSMD

Project Description:

Oak Ridge National Laboratory invites applications for Postdoctoral term research appointments in the Future Technologies Group of the Computer Science and Mathematics Division. The appointment is initially limited to one year from start with an option for a second year contingent to funding availability. It is part of a research project that studies revolutionary approaches to parallel I/O for leadership class systems, such as object-based storage, non-traditional storage technologies and I/O interfaces, and adaptive storage strategies. The project will involve I/O behavior characterization and performance analysis using I/O benchmarks and parallel scientific applications at large scale. The project will also involve a significant I/O performance prediction component.

Qualifications:

The successful candidate is expected to have strong experience in system software and tool development, performance analysis and prediction experience, and a strong publication record. Experience with parallel scientific applications is a plus. The successful candidate will also have excellent communication skills, the ability to work as part of a team, but also the ability to pursue research directions independently. Applicants should clearly state relevant experience and skills, including level of proficiency with desired skills.

For a postdoctoral position, an earned Ph.D. in computer science, computer engineering or a closely related discipline is required. A successfully defended Ph.D. dissertation is considered acceptable to start the appointment with the expectation that the Ph.D. will be granted at the close of the next academic term of the granting institution.

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.

Technical Questions:

Questions regarding the position can be directed to Phillip Roth at rothpc@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/. 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.