Postdoctoral Research Associate as a Tool Developer

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

ORNL09–17–CSMD

Project Description:
The Application Performance Tools Group at the Computer Science and Mathematics division is looking for Postdoctoral staff to work on develop fault-tolerant capabilities that will enable scientific applications to make effective use of petascale and beyond class of computer platforms. The effort will involve interacting with the MPI Forum to help define MPI's support for fault-tolerance, and with simulation code developers to understand application requirements, and help provide the full range of fault-tolerance needed by applications.

Qualifications:
The successful candidate is expected to have completed their Ph.D. studies, and have experience developing middle-ware for parallel distributed systems. This person should be experienced with C, C++, or Fortran90, shell scripting languages, and willing to work in a team environment, and collaborate with external partners. 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:
Contact Dr. Richard L. Graham atrlgraham@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.orau.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.orau.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. 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.