Postdoctoral Position
in Computational Sciences and Engineering

Computational Sciences and Engineering Division
Oak Ridge National Laboratory
Oak Ridge, Tennessee

ORNL07–56–CSED

Project Description:
The Computational Sciences and Engineering Division (CSED) at Oak Ridge National Laboratory (ORNL) seeks a candidate for a postdoctoral position in areas spanning high performance computing, parallel simulation, and asynchronous methods in scientific and mathematical computing. A strong academic background in computer science is required, with expertise in parallel algorithms, distributed systems, and applications. Expertise in parallel discrete event simulation is a strong plus, as well as experience in middleware (e.g., MPI), software implementation, and supercomputing. The candidate should have a good systems background, preferably with implementation experience. Knowledge of state-of-the-art in parallel computing, associated issues and challenges, and a firm grasp of parallel algorithm design and analysis are added advantages. The successful candidate will be capable of integrating into the research team to enhance the Laboratory's rapidly growing research program in high-end computing. The successful candidate will also be encouraged to contribute in writing proposals and developing additional sources of funding that support research and development work. Applications should have a strong publication record and should be able to communicate their research through conferences and journals. The position demands a balance of being able to make significant individual contributions under limited supervision while also being a strong team player in working with other scientists and in interaction with sponsors.

Qualifications:
The position requires a candidate who has recently finished a Ph.D., or is on track to finishing a Ph.D. within the next 6 months, in Computer Science. The initial appointment is for one year. Applicants should not have received their most recent degree more than five years prior to the date of application. This position is available immediately and applications will be accepted until the position is filled.

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 (ORNL07-56-CSED).

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.