

Postdoctoral Research Associates for the Manufacturing Engineering Laboratory

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

ORNL08-67-CSED

Project Description:

The Computational Sciences and Engineering Division at the Oak Ridge National Laboratory (ORNL) is seeking candidates for a postdoctoral position to develop and explore future concepts in the area software tool development to speed the development and testing of semantics-based standards that enable the integration of software applications for manufacturing. One specific area of common interest is related to Business to Business (B2B) software applications for e-commerce. This will require a good understanding of several key research areas, such as web services, semantic web, and software tool development. Extensive experience in developing web-based manufacturing systems is required. A successful candidate will have the ability to quickly understand a sponsor's need, translate this into a research question and hypothesis, create experiments and prototype software to evaluate the new research concepts, present the research to the sponsor, publish the results at top conferences and journals, secure and increase funding in your research areas, and to collaborate with renowned experts in your field.

Qualifications:

Ph.D. degree required in Computer Engineering, Computer Science, Manufacturing Engineering, Industrial Engineering, or related. Initial appointment is for one year. This position will be located in Gaithersburg, Maryland and is available immediately. Applications will be accepted until position is filled. 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.

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 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.