

Postdoctoral Research Associate in Computational Materials

Materials Science and Technology Division Oak Ridge National Laboratory Oak Ridge, Tennessee

ORNL10-75-MSTD

Project Description:

The Alloy Behavior and Design Group in the Materials Science and Technology Division, Oak Ridge National Laboratory, has an opening for a post-doctoral research position involving simulations of materials. The position will involve molecular dynamics calculations and possibly mesoscopic simulation of materials. Appointment is for a full-time one-year position, with potential for renewal, dependent on funding availability. The successful candidate will have the opportunity to interact with experimentalists throughout the Division and across the laboratory.

Qualifications:

A Ph.D. in theoretical condensed matter physics or materials physics completed within the past three years is required. The candidate must have demonstrable skills in atomistic calculations of materials properties, preferably linking such calculations to both theoretical models and experimental results. Experience in electronic structure-based total energy calculations is also of interest. 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. Applications will be accepted until the position is filled.

Technical Questions:

Questions regarding the position can be directed to Dr. James R. Morris, morrisj@ornl.gov, Materials Science and Technology Division, P.O. Box 2008, Oak Ridge National Laboratory, Oak Ridge, TN 37831-6115. E-mail is preferred method for questions. We will begin reviewing applications immediately and will continue to do so until the position is filled. The desired start date is no later than August 2010. 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.