

Postdoctoral Research Associate in Computational Materials Science for Electrical Energy Storage

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

ORNLO9-91-CSMD

Project Description:

The candidate should have a background in working on theoretical problems bulk, surfaces and interfaces as well as nanomaterials related to the energy storage field. While the project is theoretical in nature, the candidate should be interested in working with experimentalists involved in studies of energy storage materials. The candidate should have a Ph.D. in computational materials science, theoretical condensed matter physics, theoretical physical chemistry or related field with considerable experience in using modern computational modeling methods, particularly electronic structure techniques. The work will be associated with an interdisciplinary research team to address outstanding problems of high scientific impact in energy storage by developing and applying theoretical techniques to study the catalytic properties of nanostructured materials at electrified interfaces.

Qualifications:

The successful candidate is expected to have completed their PhD in computer science, physics, chemistry, or related field. The successful applicant is expected to display a track record of accomplishments in the above outlined areas. Strong communication skills, demonstrable enthusiasm to work in a team environment, and good judgment and accountability are required. The postdoctoral position offers a competitive salary and opportunities for accomplishing outstanding research in computational chemistry and materials science.

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:

William Shelton at sheltonwajr@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.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 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.