

Postdoctoral Research Associate in Electrochemical Computational Modeling

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

ORNL10-20-CSMD

Project Description:

This position requires demonstrated experience in computational modeling of the electrochemical processes associated with electrolysis, electroplating, fuel cells or batteries. Experience in mesoscale modeling using phase field or other techniques is highly desirable. The candidate is expected to develop and validate a cell-level mesoscale computational tool for modeling the electrochemical phenomena in a Li-ion battery.

Qualifications:

Applicants must have a working knowledge of parallel computing. 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:

Questions regarding the position can be directed to Bala Radhakrishnan at radhakrishnb@ornl.gov or Sarma Gorti at gortisb@ornl.gov. 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.