

Postdoctoral Research Associate in Nanostructure Semiconductor Photovoltaic

**Chemical Sciences Division
Oak Ridge National Laboratory
Oak Ridge, Tennessee**

ORNL10-24-CSD

Project Description:

The Chemical Sciences Division at Oak Ridge National Laboratory invites applications for an experimental postdoctoral position in fabrication and characterization of nanostructured semiconductor-based photovoltaic solar cells. This is a two-year position. The candidate will perform the research involving processing and evaluation for photovoltaic devices.

Qualifications:

This position requires a Ph.D. in electronics, material, physics, chemistry or related field with strong background in photovoltaic device and characterization of semiconductor.

Experience designing, processing, and testing photovoltaic devices are essential. Proficiency in computational simulation and system development using Labview are a plus. The applicant must have demonstrated abilities in problem solving, collaborative research, and communication in both peer-reviewed research journals and in oral presentations. The postdoctoral appointment is for a full-time one-year position with the possibility of renewal. 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 Jun Xu at xuj2@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.