

**Postdoctoral Research Associate in
Quantum Monte Carlo**

**Materials Science & Technology Division
Physical Sciences Directorate
Oak Ridge National Laboratory
Oak Ridge, Tennessee**

ORNLO9-02-MSTD

Project Description:

Position will involve the application of new Monte Carlo Methods to: 1) model systems and 2) clusters, nanostructures, organic compounds or oxides. Work entails use of large-scale computational resources employing parallel computers.

Qualifications:

This position requires a Ph.D. in Quantum Monte Carlo Methods, Solid State Physics, Chemistry, or Materials Science. Excellent computational and good communication skills required. 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:

Contact Dr. Fernando A. Reboredo at reboredofa@ornl.gov. Please reference the position title and number when corresponding about this position.

How to Apply:

Qualified applicants must apply online at <https://www2.ornl.gov/ORNLPDPM/>. 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.

The postdoctoral position will be offered through the Oak Ridge Institute for Science and Education (ORISE) Oak Ridge National Laboratory Postdoctoral Research Associates program <http://www.ornl.gov/orise/edu/ornl/ornl-pd/ornlpdoc.htm>. These positions is open to all qualified candidates without regard to race, color, age, religion, sex, national origin, physical or mental disability, or status as a Vietnam-era veteran or disabled veteran.