

**Postdoctoral Research Associate in Mechanical Behavior  
of Structural Materials (Metals and Alloys)**

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

ORNL08-87-MSTD

**Project Description:**

The Materials Science and Technology Division at Oak Ridge National Laboratory is seeking exceptional postdoctoral candidates with a Ph.D. degree in materials science, materials engineering or related fields.

**Qualifications:**

Ph.D. degree in materials science, materials engineering or related fields. The candidate must possess a strong background on the mechanical behavior of structural materials, in particular metals and alloys. A strong background on the role of processing, composition and microstructure on the structural performance of alloys (fatigue, creep, environmental effects on mechanical behavior) is required. Experience operating mechanical testing machines and instruments for the micro structural and chemical characterization of materials. Excellent communication skills in English, self-motivation and good team working skills are 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.

**How to Apply:**

Qualified applicants must apply online at [https://www2.ornl.gov/ORNL\\_POST/](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 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.