

Postdoctoral Research Associate in Titanium and Titanium Alloy Materials

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

ORNL08-83-MSTD

Project Description:

The Materials Processing Group in the Materials Science and Technology Division at Oak Ridge National Laboratory (<http://www.ornl.gov>) has an immediate opening for a post-doctoral fellow position. The position will involve innovative processing methods for titanium and titanium alloy materials and powders. The candidate will conduct materials processing research using unique processing facilities, which include high-intensity arc lamps, magnetic field processing, and high-power lasers. Conventional arc-melting, electron-beam melting, powder attrition, powder blending, powder metallurgy consolidation equipment, and deformation processing equipment will also be utilized in the work. Experience with titanium alloys and/or experience with powder consolidation is necessary.

The successful candidate will be expected to conduct research in the above areas and interface with other researchers and technical staff in the modeling, production, and characterization of these materials. All applicants should exhibit excellent oral and written technical communication skills.

Qualifications:

A Ph.D. in materials science, or related field, completed within the past five years is required. At least two years research experience in titanium and titanium alloy metallurgy and/or processing is required for the position. Appointment is for a full-time one-year position, with potential for renewal, dependant on funding availability. All degree requirements must be completed before starting the appointment. ***The successful candidate must be a U. S. citizen.***

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>. When applying for this position, please reference the position title and number.

We will begin reviewing submissions immediately and will continue to do so until the position is filled. ***The desired start date is no later than October 1, 2008.***

Technical Contact:

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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.