

**Atom Probe Tomography Scientist**  
**Materials Science and Technology Division**  
**Oak Ridge National Laboratory**  
**Oak Ridge, Tennessee**

ORNL07-60-MSTD

**Project Description:**

This position will focus on the microstructural characterization of materials with atom probe tomography. The applicant will supervise and assist participants of the Oak Ridge National Laboratory SHaRE User Facility in the operation of the local electrode atom probe, specimen preparation with a dual beam focused ion beam miller, and atom probe data reconstruction and analysis. The applicant will also be involved with the development of new methods of atom probe data analysis and specimen preparation.

**Qualifications: Doctoral degree required with disciplines in other Physical Sciences or Physics.**

Significant experience with atom probe tomography and field ion microscopy is required. Experience with electron microscopy and focused ion beam preparation of atom probe specimens is also required.

The applicant must be proficient in atom probe data reconstruction and analysis. The applicant must be proficient in programming in C/C++.

The applicant must have demonstrated abilities in problem solving, collaborative research, and communication in both peer-reviewed research journals and in oral presentations.

The appointment is for a full-time one-year position with potential for renewal dependent on funding availability.

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 may 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 (ORNL07-60-MSTD).

This appointment is offered through the ORNL Postdoctoral Research Associates Program and is administered by Oak Ridge Associated Universities (ORAU). This appointment 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.