

**Postdoctoral Research Associate
In Diamond Thin-Film Growth Studies**

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

ORNL08-25-MSTD

Project Description:

In anticipation of funding in the near term, a postdoctoral opening will be available in thin-film growth studies of diamond. The prospective candidate is expected to be a recent graduate in materials science, applied physics, or electrical engineering. Strong background in the study of surface processes occurring in thin-film growth is required. The candidate must have practical experience in thin-film growth of diamond by chemical vapor deposition using plasma techniques including plasma or arc jets, and standard characterization techniques for diamond films including Raman and optical spectroscopies, x-ray diffraction, and scanning and transmission electron microscopy.

Qualifications: Ph.D. degree required

Required Disciplines: Materials Science, Physics or Electrical Engineering

Other requirements: Diamond thin-film growth studies using chemical vapor deposition.
Film growth and characterization

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/. 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 (ORNL08-25-ESTD).

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.