

Postdoctoral or Postgraduate Research Associate in Target Tracking and Discrimination

**Center for Engineering Science Advanced Research
Computer Science and Mathematics Division
Computer and Computational Sciences Directorate
Oak Ridge National Laboratory
Oak Ridge, Tennessee**

ORNL09-128-CSMD

Project Description:

The Center for Engineering Science Advanced Research (CESAR) in the Computer Science and Mathematics (CSM) Division of the Oak Ridge National Laboratory (ORNL) seeks candidates for innovative research in Target Tracking and Discrimination.

Work will involve development of novel methodologies, computer codes and algorithms in the areas of target tracking, discrimination, and radar signal processing. Proven experience in the areas of estimation algorithms such as Kalman Filter, IMM tracker, sensor data fusion, and target-to-track assignment methodologies is necessary. Knowledge of MATLAB is a must. Strong communication skills and high level of accountability are required. The positions require MSc or, preferably, PhD degrees in Electrical Engineering, Physics, or related fields. Exceptional candidates with a BSc degree will also be considered. US citizenship and the ability to obtain security clearance are required for this position.

Qualifications:

The successful candidate is expected to have completed a BSc, MSc, or Ph.D. in Engineering, Physics or a closely related field. This position requires the US Citizenship and the ability to obtain security clearance.

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:

Interested candidates may contact Dr. Neena Imam, Center for Engineering Science Advanced Research, Computer Science and Mathematics Division, Oak Ridge National Laboratory, 1 Bethel Valley Road, Oak Ridge, TN, 37831-6015, USA. E-mail to: <mailto:imamn@ornl.gov>

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>.

This appointment is offered through the ORNL Postgraduate 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.