



OAK RIDGE INSTITUTE FOR SCIENCE AND EDUCATION
RESEARCH PARTICIPATION PROGRAM
THE AIR FORCE INSTITUTE OF TECHNOLOGY (AFIT)
BELCAMP, MARYLAND

Nuclear Engineering/Engineering Physics Project at Wright Patterson AFB, OH

Project #: AFIT-LC-2011-169

The Research Participation Program for Air Force Institute of Technology (AFIT) provides opportunities to participate in AFIT on-going applied research and development projects. The Air Force Institute of Technology (AFIT) is the Air Force's graduate school of engineering and management as well as its institution for technical professional continuing education. A component of Air University and Air Education and Training Command, AFIT is committed to providing defense-focused graduate and professional continuing education and research to sustain the technological supremacy of America's air and space forces.

AFIT accomplishes this mission through three resident schools: the Graduate School of Engineering and Management, the School of Systems and Logistics, and the Civil Engineer and Services School. Through its Civilian Institution Programs, AFIT also manages the educational programs of officers enrolled in civilian universities, research centers, hospitals, and industrial organizations. Since resident degrees were first granted in 1956, more than 16,000 graduate and 350 doctor of philosophy degrees have been awarded. In addition, Air Force students attending civilian institutions have earned more than 12,000 undergraduate and graduate degrees in the past twenty years.

PROJECT DETAILS

An appointment is available at the **Air Force Institute of Technology, Wright-Patterson AFB, OH.**

This appointment includes, but is not limited to, the following:

- **Experiment, analyze and present results of radiation effects experiments.**
- **Conduct simulation and modeling for radiation damage to electronic materials associated with government programs using TCAD products and GEANT transport.**

ELIGIBILITY REQUIREMENTS

Applicants **should have completed a Doctoral Degree in Nuclear Engineering, Engineering Physics, or related field**, or completion of all requirements for the degree should be expected on or about the starting date. Faculty on sabbatical and other applicants will be considered on a case-by-case basis. The program is open to all qualified U.S. citizens without regard to race, sex, religion, color, age, physical or mental disability, national origin, or status as a Vietnam era or disabled veteran.

The participants will be selected based on academic records, recommendations, applied research interests and compatibility of background with applied research programs and projects at AFIT and/or the host Installation.

The initial appointment is up to **one-year** and may be renewed for up to a total of four years based upon recommendation of AFIT and subject to availability of funds. This appointment is **full-time** at AFIT.

The participant will receive a monthly stipend. The stipend rate is determined based upon level of education, training, and experience. Inbound travel and moving expenses are reimbursed according to established policies. Travel and other costs will also be reimbursed for training related to the project and approved by ORISE and the host installation.

The participant must show proof of health and medical insurance. Health plans are available through the Oak Ridge Institute for Science and Education for Postgraduate Internship participants. The appointment is full-time at the host installation.



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APPLICATION and DEADLINE

Applications are accepted and processed on a continuing basis. The Oak Ridge Institute for Science and Education administers the Research Participation Program for the AFIT. Please reference **Project # AFIT-LC-2011-169** when calling, emailing, or writing for information. For immediate consideration applicants may forward resumes or vitas to the email address listed below. Additional information and application material can be found on the following website www.ornl.gov/Maryland.

Oak Ridge Institute for Science and Education (ORISE Maryland Office)
4692 Millennium Drive
Suite 101
Belcamp, MD 21017
Phone: 410-306-9200
Fax: 410-306-9306
Email: Recruiter@ornl.gov
Web: www.ORNl.gov/Maryland