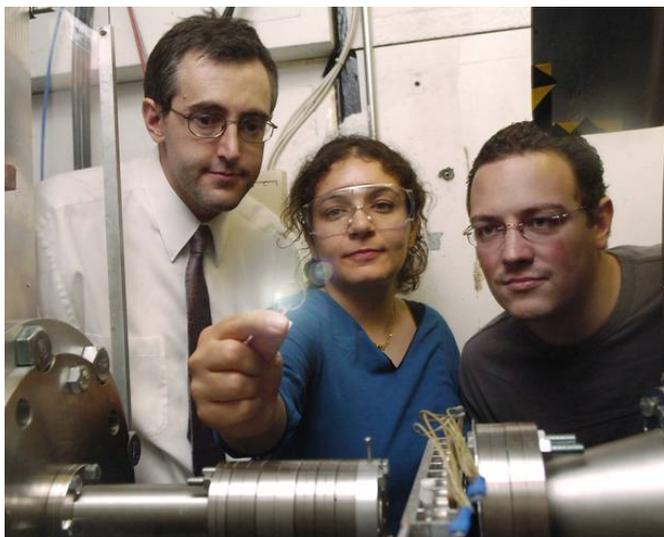


The DOE Office of Science has had a role in training America's scientists and engineers for over 50 years and offers a range of workforce development programs through the sponsorship of the Science and Undergraduate Laboratory Internship (SULI), the Community College Institute of Science and Technology (CCI), Pre-Service Teachers Program (PST) and Faculty and Student Teams (FaST). Through these programs plus Research Aide and Student Co-op programs, the Division of Educational Programs (DEP) provides students with a hands-on research experience leading to an understanding of the requirements of a researcher, including communications skills, dedication and desire to learn. Over 200 summer participants each year attend seminars and take tours designed to expose students to the research carried out at Argonne. Program participants have access to dormitory style housing on site. Summer participants also are provided with bus service to Chicago on the weekends to enjoy the cultural benefits of the city. DEP organizes access to the Laboratory and provides a safe environment for university faculty and students who contribute to Argonne's research and development efforts. These programs contribute to the diversity in the basic science and energy-related workforce. The impact of intern programs is significant. Program participants are more likely to secure an R&D position and more likely to work in a federal laboratory. Two former students were Noble Prize winners (T.Cech/Chm89 and W.Phillips/Phy97).

The Laboratory-Graduate Research Program is available to qualified university graduate students who have completed academic requirements and who wish to carry out their thesis research at Argonne under the co-sponsorship of an Argonne staff member and a university faculty member. The students participate in basic research programs in the basic physical and life sciences, mathematics, computer science, engineering as well as in areas related to conservation, environment, alternate energy sources and advanced nuclear reactor design.

Several faculty programs are offered at Argonne. The primary goal of faculty programs is to initiate and enhance collaborations between faculty members at U.S. Colleges and Universities and Argonne scientists in basic and applied research. These programs provide opportunities for faculty to utilize research resources at a national laboratory. Visiting faculty members bring fresh viewpoints, sharpened perspectives, and new concepts essential to the intellectual well being of the Laboratory. Argonne staff and visiting faculty develop mutually beneficial short and long-term research collaborations. Faculty members acquire a deeper understanding of energy-related research and the mission of the Department of Energy.

The primary contact at Argonne for internships is Lisa Reed (630-252-3366, [lreed@dep.anl.gov](mailto:lreed@dep.anl.gov))



Project Title: Critical Infrastructure and Key Resources

Argonne's Infrastructure Assurance Center (IAC) is focused on assuring the security and reliability of critical infrastructure and key resources (CI/KR) that are threatened with disruption from natural events, accidents, or deliberate acts such as terrorist attacks. The impacts of such disruptions — including impacts to human health and safety, the economy, and national security — must be understood for effective risk management. We are seeking candidates interested in pursuing CI/KR and risk analysis. Specific topics include physical and cyber security analysis; modeling and simulation tool development; evaluation of CI/KR vulnerability to a range of threats; and CI/KR interdependencies analysis. Dr. Jim Peerenboom, (630) 252-8994, [jpeerenboom@anl.gov](mailto:jpeerenboom@anl.gov), would be the mentor for this project.