



Oak Ridge Institute for Science and Education

A NATIONAL ASSET

How can ORISE help you?

With world-renowned expertise,

ORISE offers unique, state-of-the-art capabilities in these areas:

- Science and engineering education
- Emergency management
- Health physics
- Radiation emergency medicine
- Training and continuing education
- National security
- Environmental verification
- Worker health research
- Health communication



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CONTACT

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For more information about ORISE, visit our Web site at www.orau.gov/orise.htm.



The Oak Ridge Institute for Science and Education (ORISE) is a U.S. Department of Energy facility focusing on scientific initiatives to research health risks from occupational hazards, assess environmental cleanup, respond to radiation medical emergencies, support national security and emergency preparedness, and educate the next generation of scientists. ORISE is managed by Oak Ridge Associated Universities.

Discover the Possibilities



Oak Ridge Institute for Science and Education

DISCOVER



Our Expertise

Our Capabilities

Our Resources

Discover the Possibilities

DISCOVER

You are on the road to discovering one of our nation's best-kept secrets — The Oak Ridge Institute for Science and Education.

ORISE is not a college or university.

We're a U.S. Department of Energy facility dedicated to furthering scientific research and education in the United States.

CENTER FOR EPIDEMIOLOGIC RESEARCH (CER)

THE Center for Epidemiologic Research staff study hazards found in the workplace and how those hazards affect the health and safety of workers. With a staff of epidemiologists, statisticians, physicians, and industrial hygienists, CER offers the skills and expertise necessary to develop and implement current and former worker studies. CER manages the Former Beryllium Workers Medical Surveillance Program for the U.S. Department of Energy (DOE). Other research projects include a study of former radiation workers and neutron dose reconstruction. www.ornl.gov/cer/

ANALYZING THE EFFECTS OF HAZARDOUS MATERIALS

HEALTH AND SAFETY COMMUNICATION (HSC)

NO matter what the situation, the training and technical solutions offered by the Health and Safety Communication group help protect workers, the public, and the environment. HSC assists in providing consistent, effective public communication; staff development; traditional and nontraditional training; research and assessment; focus group facilitation; and conference planning. www.ornl.gov/hsc/

ENVIRONMENTAL SURVEY AND SITE ASSESSMENT PROGRAM (ESSAP)

A safe environment for both home and business ensures our health and well being. That's why government agencies and their contractors turn to the Environmental Survey and Site Assessment Program to verify that sites are free from contamination that may be



WORKER HEALTH RESEARCH



HEALTH RISK COMMUNICATION

EDUCATING THE NEXT GENERATION OF SCIENTISTS

SCIENCE AND ENGINEERING EDUCATION (SEE)

A world of possibilities awaits students and faculty members through scholarship, fellowship, internship, and research participation programs offered by Science and Engineering Education programs. Faculty, students, and recent graduates have access to exciting educational and research opportunities at national laboratories and government research centers through the programs. During FY 2001, SEE supported almost 3,000 participants in its various programs across the country. www.ornl.gov/orise/educ.htm

FACULTY AWARDS AND RESEARCH REVIEWS (FARR)

THERE are millions of dollars available for research in the United States and a long list of ideas that scientists would like to



RESEARCH PARTICIPATION PROGRAMS



EMERGENCY PREPAREDNESS



WORLD-WIDE RESPONSE

RESPONDING TO NATIONAL SECURITY AND RADIATION EMERGENCIES

RADIATION EMERGENCY ASSISTANCE CENTER/TRAINING SITE (REAC/TS)

THE Radiation Emergency Assistance Center/Training Site



RESEARCH PROPOSAL REVIEW

pursue further. How do sponsors determine what gets funded and what doesn't? The Faculty Awards and Research Reviews group assists DOE and other federal agencies in coordinating the peer and merit review process to make some of those funding decisions. During FY 2001, FARR helped set research agendas by conducting 30 panel reviews, drawing upon the expertise of almost 1,400 technical reviewers, and screening more than 1,600 technical proposals.

has earned an international reputation in the medical management of radiation accidents with proven performance for 25 years. Experts from REAC/TS have responded to more than 1,200 calls for assistance from around the world and conducted continuing education for more than 4,000 physicians, nurses, health physicists, and emergency responders from the U.S. and 53 foreign countries. REAC/TS expertise is available to deploy worldwide to help respond to a radiation emergency 24 hours a day, seven days a week. www.ornl.gov/reacts/

NATIONAL SECURITY PROGRAM

NOW more than ever, being prepared for the unthinkable is vital to our very existence. The National Security Program stands ready to apply its expertise in readiness preparation, operations planning, and

response to terrorist incidents involving weapons of mass destruction. The program also provides management and technical expertise in counter-proliferation and counter-terrorism activities. The National Security Program coordinated DOE's participation in training exercises for response to weapons of mass destruction for the 2002 Olympic Winter Games in Salt Lake City, Utah, as well as overseas exercises at the United States European Command.

EMERGENCY MANAGEMENT LABORATORY (EML)

IS your organization prepared for an emergency? When faced with how to respond to transportation or facility emergencies, bioterrorism events, or natural disasters, federal organizations call on the Emergency Management Laboratory. EML prepares organizations across the country for their response by developing emergency plans and procedures and conducting specialized training and exercises for federal, state, and local officials. By applying its experience in comprehensive emergency management to the problem, EML gives you the solution. www.ornl.gov/eml/



EMERGENCY RESPONSE

NATIONAL SECURITY

CENTER FOR HUMAN RELIABILITY STUDIES (CHRS)

AN organization's most valuable asset is its employees, who must be reliable and trustworthy and use good judgment in all aspects of their jobs. The Center for Human Reliability Studies researches, analyzes, and provides assistance with behavioral issues that impact the workplace, such as human reliability, personnel security, occupational medicine, substance abuse, and workplace violence. A DOE Center of Excellence, CHRS can help clients better understand workforce complexities and use appropriate resolution tactics to minimize human reliability problems. www.ornl.gov/ehsd/chrs.htm