



**Pacific Northwest
National Laboratory**

Operated by Battelle for the
U.S. Department of Energy

Sharing the Excitement of Science

Breakthrough
Science and
Technology for
the Northwest

Richland, Washington

November 2001

Special series on terrorism presented at PNNL

As part of its continuing commitment to educating leaders on issues of global security, the Pacific Northwest Center for Global Security has been sponsoring a special seminar series on Islam, Afghanistan and the issue of terrorism. Experts on the Middle East, history and international studies from the University of Washington have given lectures on topics such as Afghanistan and Pakistan's relation to Islam; Jihad, terror, war and justice; and one titled, "Do they really hate us?"

The final lecture in this series is "Response to Terrorism: Military Force and International Law" by Resat Kasaba, a professor at the University of Washington's Jackson School of International Studies. Kasaba will speak in the Battelle Auditorium at Pacific Northwest National Laboratory on Nov. 27 at 10:30 a.m.

The Pacific Northwest Center for Global Security was established by PNNL in 1998 to provide a forum for the study of security issues, including not only traditional issues of nonproliferation, but also the impact of environmental, economic, energy, and health conditions on global security. For more on the center, see <http://pnwcgs.pnl.gov/>.

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Laboratory wins \$8.4 million in research grants



The U.S. Department of Energy is awarding Pacific Northwest National Laboratory \$8.4 million over three years to fund research projects designed to help solve some of the nation's most complex environmental cleanup challenges. The awards are part of DOE's Environmental Management Science Program and are highly competitive among the national labs and universities.

A total of 45 EMSP research grants totaling \$39.6 million were awarded. Of those 45 grants, PNNL will lead 11 projects and collaborate on five others. Projects PNNL will lead include: separations research to help predict the consequences of various scenarios that occur in handling waste; engineering sciences research to explore decontamination agents for metal surfaces; and actinide and general chemistry research to develop an improved conceptual model for processes involving sludge in high-level waste tanks. This model will provide a technical basis for making more informed decisions on cost, benefit and risk.

The EMSP was established in 1996 to bridge the gap between fundamental research and applied technologies in an effort to clean up DOE sites like Hanford.

Energy Secretary announces extension of Battelle's contract at PNNL

During a visit to Pacific Northwest National Laboratory Nov. 7, Spencer Abraham, Secretary of the U.S. Department of Energy, announced his intention to extend Battelle's contract to manage and operate the Laboratory for an additional five years. The current contract expires September 2002.

"Battelle has done an extraordinary job operating PNNL over the years," Secretary Abraham said. "The Department of Energy and Battelle will be negotiating the details over the next several months, but we look forward to a continued partnership that will lead to further scientific advances benefiting our country." The decision to extend the contract is subject to congressional approval.

PNNL a partner in Small Business Administration grant

The Washington Technology Center, with a consortium that included Pacific Northwest National Laboratory and six other partners from Washington state, has received a \$100,000 grant from the U.S. Small Businesses Administration. The grant is designed to help Washington companies outside the Seattle metropolitan area better compete for funds made available through the Small Business Innovation Research and Small Business Technology Transfer programs. The Washington Technology Center and other participating state agencies are matching the grant with \$215,000.

Others in the consortium receiving the grant include the Washington Office of Trade and Economic Development, Washington Small Business Development Center, Spokane Intercollegiate Research and Technology Institute, Columbia River Economic Development Council, Washington State University Tri-Cities Business Links and Alliance of Angels.

Laboratory scientist recognized as a 'Rising Star'



Novella Bridges, a research scientist in Pacific Northwest National Laboratory's material resources organization, was recognized as a Rising Star in Technology at the 2001 Women of Color Government and Defense Technology Awards Conference. The conference recognizes contributions made by minority women working in the government in fields of science, engineering and technology. Bridges has worked at PNNL since January 2001 and earned her Ph.D. in chemistry from Louisiana State University in May.

Saving energy sparks federal award

Pacific Northwest National Laboratory received the 2001 Federal Energy and Water Management Award in October, recognizing its efforts to conserve energy at its campus in Richland, Wash., which includes more than 2 million square feet of laboratory and office space. PNNL's low-cost or no-cost efficiency measures led to a savings of more than \$180,000 in its annual electric bill between March and December 2000. These actions included adjusting thermostats, checking dampers in heating and cooling systems and turning off lights and running air-conditioners less when people are not in the buildings.

"The Department of Energy is proud to recognize its employees and work teams for implementing innovative campaigns to reduce energy consumption and lower energy costs," said Secretary of Energy Spencer Abraham in an announcement about the award. "This spirit of teamwork demonstrates that the President's goals of energy efficiency outlined in his National Energy Plan are achievable and save energy and tax dollars."

Report highlights Tri-Cities' technology base and challenges

According to a new report on local technology business released Nov. 16, the Tri-Cities ranks near the top 10 percent nationwide in technology industry growth and offers significant quality-of-life advantages over comparable communities. The lack of local sources for venture dollars and limits in Internet data infrastructure were identified as weaknesses in the report.

The "Tri-Cities Innovation & Technology Index" report provides the first analysis of the Tri-Cities' ability to meet the needs of technology companies and how the community's business and quality-of-life attributes compare with other Northwest cities and national averages. Pacific Northwest National Laboratory prepared the report in support of the U.S. Department of Energy's regional economic diversification efforts.

The Tri-Cities stacks up well against the competition in five key areas evaluated in the report—innovation, competitiveness, growth, financial capacity and quality of life.

The report is available at <http://www.pnl.gov/edo/innovationtechindex.pdf>.



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