



AROUND THE REGION IN HOMELAND SECURITY

The Northwest Regional Technology Center (NWRTC) is a virtual resource center, operated by Pacific Northwest National Laboratory (PNNL), to support regional preparedness, resilience, response, and recovery. The center enables homeland security solutions for emergency responder communities and federal, state, and local stakeholders in the Northwest.

UPCOMING EVENTS

- November 13-15, 2018 – [PNWER Annual Economic Leadership Forum](#), Whitehorse, Yukon, Canada
- November 14-15, 2018 – [International Public Safety Association Symposium](#), Washington, DC
- November 29, 2018 – [Smart Cities: Critical Infrastructure Protection, Opportunities and Challenges](#), Seattle, WA
- April 16-18, 2019 – [Partners in Emergency Preparedness Conference](#), Lynnwood, WA

CONTACT

- Want to know more? Visit us on the web at <http://nwrtec.pnnl.gov>.
- Contact the NWRTC with questions and comments at nwrtec@pnnl.gov.

SCITECH NORTHWEST EXPO SHARES CYBER, LIFE SCIENCES, ENERGY TECH

On Oct. 23, the third annual SciTech Northwest expo shared more than 40 technologies in life sciences, cyber/data, and next-generation energy from Washington's premiere research institutions, including PNNL, University of Washington, Washington State University, and Fred Hutchinson Cancer Research Center.



Keynote speaker and PATH Chief Executive Officer and President Steve Davis discussed the global impact of innovation in life sciences and how scaling social innovation can solve pressing challenges in global health.

"Forty years ago, one child in eight died before the age of 5 in third world countries. Today, it is fewer than one in 20, in part because of advances in innovation," Davis said.

Throughout the evening, science and technology leaders, entrepreneurs, investors, and researchers participated in hands-on technology demonstrations and simulations. The technologies ranged in development from ready or nearly ready for commercialization to seeking research or collaboration partners. Several technologies from the Department of



Homeland Security Science & Technology Transition-to-Practice program were also on display. A full list of the technologies with their current status is available on the [SciTech Northwest website](#). To learn more about PNNL's licensing opportunities and emerging technology visit the [PNNL Available Technologies website](#).

JORDANIAN CRISIS MANAGEMENT CENTER VISITS SEATTLE

In late September, PNNL hosted a group of five officials from the Jordanian National Center for Security and Crisis Management (NCSCM) for a 4-day visit to learn more about how Washington and the city of Seattle handle crisis management. The visit was sponsored by the U.S. Department of State.



The NCSCM is Jordan's national crisis management center that manages national-level crises including terror attacks, chemical spills, natural disasters, and is expanding its capabilities in partnership with the U.S. government.

The Jordanian officials visited with emergency response professionals from the State of Washington Emergency Management Division and the Washington State National Guard, Seattle/King County Public Health, Washington State Department of Health, Northwest Healthcare Response Network, U.S. Coast Guard Joint Harbor Operations Center, and the Seattle Fire Department.

The officials also participated in a discussion at PNNL on disruptive technologies changing the way first responders and crisis managers interact with information during a crisis. PNNL's Cameron Tynes reinforced this topic by giving a dynamic augmented/virtual reality presentation to exhibit how those technologies may change the way information is shared among first responders and crisis managers.

DRILLS TEST RADIOLOGICAL, NUCLEAR DETECTION RESPONSE

This fall season, personnel from federal, state, county, local, and private law enforcement and first responder agencies from the Puget Sound area participated in

three drills to evaluate proper response and use of their radiological/nuclear detection equipment.

The training is part of the Puget Sound Regional Small Vessel Maritime Preventative Radiological/Nuclear Detection Program designed to maintain a regional capability to deter the illicit movement of radioactive materials within, and potentially through, the Puget Sound maritime environment.

With support from a Port Security Grant via the Seattle Fire Department, PNNL manages the purchase, inventory, and distribution of equipment and coordinates training and dock-side drills such that those organizations with radiation detection equipment are fluent in the use of the equipment.



PUBLIC SAFETY AGENCIES PILOT AI FOR FIRST RESPONSE

To help address the challenge of information overload, the Department of Homeland Security Science & Technology Directorate's [Next Generation First Responder Apex Program](#) partnered with the NASA Jet Propulsion Laboratory to develop the Assistant for

Understanding Data through Reasoning, Extraction, and Synthesis (or AUDREY). This state-of-the-art human-like reasoning system assists first responders in synthesizing high-level data at the scene of an emergency. Read the [DHS S&T Snapshot](#) for details.



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