



Around The Region In Homeland Security January 2015

The Northwest Regional Technology Center (NWRTC) is a virtual resource center, operated by the Pacific Northwest National Laboratory (PNNL), to support regional preparedness, resiliency, response, and recovery. The center enables homeland security solutions for emergency responder communities and federal, state, and local stakeholders in the Northwest. This monthly newsletter summarizes activities related to homeland security in the region. This issue highlights:

- First responders get mobile app for biodetection
- Cybersecurity workshop showcases nationwide R&D
- New S&T website and app available
- IAB meeting focuses on responder technology
- Upcoming events

First responders get mobile app for biodetection

First responders have downloaded more than 10,000 copies of a guide to commercially available, hand-portable biodetection technologies. The mobile app



[Biodetection Guide for First Responders](#) can be downloaded free of charge from the iTunes store, but is only available for Apple mobile devices.

"The new app will provide easier access to the updated report that is a valuable product-buying guide for first responders and purchasing specialists," said Cindy Bruckner-Lea, PNNL principal investigator. "With dozens of companies, technologies, and sampling products listed, the guide provides a convenient and useful resource to fire fighters, law enforcement, and hazardous materials response teams."

PNNL created the updated [Biodetection Technologies for First Responders: 2014 product guide](#) for the Department of Homeland Security's Science and Technology Directorate (DHS S&T) to help response organizations make informed decisions when procuring the right technology for their particular needs and circumstances. The report summarizes and compares an extensive list of commercially available, hand-portable technologies.

The release of the mobile app is one part of a larger effort to assess hand-portable, commercial, off-the-shelf biodetection technology. PNNL is evaluating a wide range of technologies from general protein tests for biological material to agent-specific tests such as immunoassay and polymerase chain reaction assays.

To learn more about the guide and the app, visit <http://biodetectionresource.pnnl.gov>.

Cybersecurity workshop showcases nationwide R&D

The [Cyber Security Division 2014 R&D Showcase and Technical Workshop](#) held Dec. 16-18 in

Washington D.C. welcomed cybersecurity researchers, partners, and stakeholders to share information and advance collaboration and innovation. The 3-day event hosted by the DHS S&T Cyber Security Division welcomed researchers, customers, and international partners as well as congress and media.

Researchers from across the country shared the latest research and technologies, including PNNL's cybersecurity projects in [bio-inspired network analytics](#), [identity management across cyber and physical worlds](#), and [visual analytics](#). Featured presenters included PNNL's Christopher Oehmen who spoke about [LINEBACKER](#), a project focused on the challenge of providing science-based methodologies for transforming and analyzing network data to discover threats. Visit the [workshop web site](#) to learn more.

New S&T website and app available

DHS S&T launched a new web site, <http://scitech.dhs.gov/>, which provides information about the organization's programs and research areas; vision and direction; research, development, test, and evaluation projects; and developing capabilities. Visit the [DHS S&T blog](#) to learn more.



The directorate also announced that its mobile app recently transitioned to the commercial market. Developed by S&T's Visual Analytics for Command, Control, and Interoperability Environments Center of Excellence, the mobile security application archiving technology was featured at the [Cyber Security Division 2014 R&D Showcase and Technical Workshop](#) technology demonstration along with more

Around the Region in Homeland Security is a monthly report from PNNL's Northwest Regional Technology Center for Homeland Security. For more information, contact Director Steve Stein at steve.stein@pnnl.gov or 206-528-3340, Deputy Director Ryan Eddy at ryan.eddy@pnnl.gov or 509-372-6622, or Deputy Director Regional Programs Ann Lesperance at ann.lesperance@pnnl.gov or 206-528-3223, or see the website at <http://nwrtec.pnnl.gov>. PNNL-SA-107565

than 60 technologies aimed at protecting cybersecurity across the nation's critical infrastructure. [Read the press release](#) to learn more.

IAB meeting focuses on responder technology

The [InterAgency Board \(IAB\)](#) Working Group convened Dec. 12 to focus on the Responder of the Future and [Responder Technology Alliance \(RTA\)](#). Established by the DHS S&T First Responders Group, the RTA brings together first responders, industry, federal agencies, research institutions, investors, and academia to focus resources on difficult long-term technology challenges and develop a practical vision of the Responder of the Future. For more information, contact Steve Stein at steve.stein@pnnl.gov or (206) 528-3340.



Upcoming Events

February 10-12, 2015
[International Disaster Conference and Expo \(IDCE\)](#)
New Orleans, LA

March 25, 2015
[3rd Annual Washington Safety Summit](#)
Tacoma, WA

April 14, 2015
[Washington Emergency Public Information Network Workshop](#)
Tacoma, WA

April 14-16, 2015
[Partners in Emergency Preparedness Conference](#)
Tacoma, WA

