



OPPORTUNITIES

Events current at time of publication. Have a virtual resource or event to share? Email us!

- June 18 – [Infrastructure Security and Resilience Forum](#)
- July 12-15 – [45th National Hazards Workshop](#)
- August 15-19 – [30th Pacific Northwest Economic Region Annual Summit](#)
- October 5-7 – [2020 Partners in Emergency Preparedness Conference](#)

CONTACT

- Want to know more? Visit us at pnnl.gov/projects/nwrtc.
- Contact the NWRTC with questions and comments at nwrtc@pnnl.gov.

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.

PNNL, VERIZON BRING 5G TO NATIONAL LAB

Verizon recently announced a partnership that will make PNNL the U.S. Department of Energy's first national laboratory with Verizon 5G ultra-wideband wireless technology.



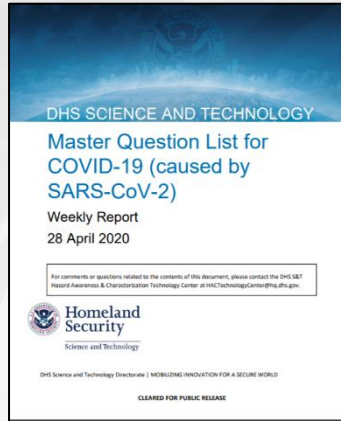
This collaboration will allow PNNL researchers to explore how 5G can transform diverse mission areas, including cybersecurity, the protection of grid infrastructure, and the science behind autonomous systems. With the network on-site, researchers will be able to test how the faster speed and increased bandwidth can be used to enhance machine learning, artificial intelligence, and public safety. This testing may enable wide-ranging applications, which can benefit everything from chemistry and Earth sciences to the needs of first responders.

To read more about the partnership between Verizon and PNNL, see the [official press release](#).

Also in March, 10 staff members from PNNL were invited to attend and lead the various breakout sessions at the U.S. Department of Energy Office of Science 5G Enabled Energy Innovation Workshop. The objective of the workshop was [to create a science community-based report](#) highlighting the critical research, needs, gaps, and strategies around 5G and advanced wireless communications. The report will be used to help the U.S. Department of Energy Office of Science understand the opportunities and challenges presented with 5G as an emerging wireless technology. See the [PNNL Staff Accomplishment](#) for details.

DHS S&T PUBLISHES COVID-19 MASTER QUESTION LIST

The Department of Homeland Security (DHS) Science and Technology Directorate (S&T) developed a “master question list” that quickly summarizes what is known, what additional information is needed, and who may be working to address such fundamental questions as, “What is the infectious dose?” and “How long does the virus persist in the environment?”



The [Master Question List](#) shares available information to government decision makers in the operational response to COVID-19. The document allows structured and scientifically guided discussions across the federal government without burdening decision makers with the need to review scientific reports. It also prevents duplication of efforts by highlighting and coordinating research.

To learn more about how DHS S&T is responding to the pandemic, visit <https://www.dhs.gov/coronavirus>.

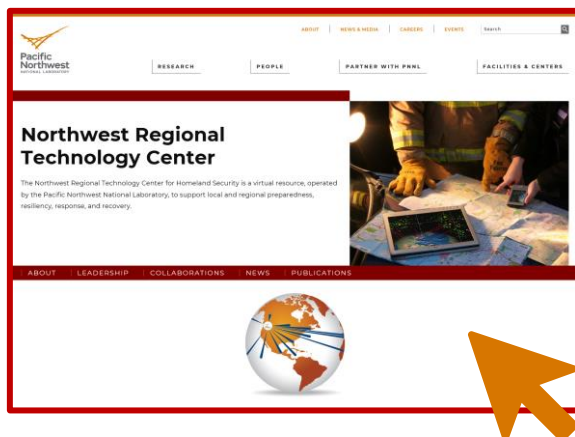
SCIENTISTS RESPOND TO PANDEMIC WITH RESEARCH, TECHNOLOGY

In his monthly column in the *Tri-City Herald*, Laboratory Director Dr. Steve Ashby shared how PNNL researchers are exploring ways to apply their expertise, research, and technology to help address the global pandemic. These efforts include:



- Providing assistance to local emergency response efforts in King County;
- Leveraging PNNL biosecurity expertise and equipment to expanding testing capacity;
- Working with collaborators to identify and validate safe and accurate alternatives to conventional reagents for COVID-19 tests; and
- Leveraging PNNL studies following the 2014-2016 Ebola outbreak to aid new analyses.

Many of these accomplishments were made possible by the capabilities and relationships built in part over the years through the NWRTC. Read [the full column](#) for details about these and other efforts.



VISIT US ONLINE!

We are pleased to announce the launch of our new website: pnnl.gov/projects/nwrtc

For more information, contact Director Ann Lesperance (ann.lesperance@pnnl.gov | (206) 528-3223), or Deputy Directors Ryan Eddy (ryan.eddy@pnnl.gov | (509) 372-6622) and Rob Jasper (robert.jasper@pnnl.gov | (509) 371-6430), or visit pnnl.gov/projects/nwrtc.

PNNL-SA-153310