



EMI SIG

EMERGENT

EMI SIG Emergent is a weekly summary of information published on the EMI SIG SharePoint.
Complete articles and information can be found at: <https://sp.eota.energy.gov>



The 2019 EMI SIG Annual Meeting
date has been moved to
September 16-21, 2019.

The Good News....

- Venue will remain at the Knoxville Convention Center
- Host Sites will remain Y-12 and ORNL
- Presenters have been notified and the overwhelming majority will be available to present
- Deadline for [SBX Exhibit Requests](#) has been extended to June 17, 2019

The Even Better News...

- All site conference & travel coordinators have been notified that DOE Conference Tool event #39805 has been reopened. They now have until **March 1, 2019** to adjust or add to their organization's attendee numbers and travel estimates.

Registration has been closed and will open in May. We will continue to make announcements in future editions of the Emergent as new information becomes available.

[PNNL Ensures Effectiveness of Nuclear Explosion Monitoring](#)

"These first-of-their kind sensor systems, one in each hemisphere, will help with international measurements for detecting underground nuclear explosions," said Judah Friese, principal investigator at PNNL. "While these are the first companies to install these systems, more installations are planned at locations around the globe to increase confidence in international nuclear explosion monitoring."

[Deterrence Pioneer Leaves Indelible Legacy](#)

"It was exciting working with (Ernest) Lawrence and (Lab Director Edward) Teller," Brown said during a visit to the Lab in 2013. "I learned something from their successes as well as

their mistakes. I learned that you can get things done if you work hard enough and your ideas are good enough...By and large we were very young and inexperienced, but we were able to try new ideas. We had the optimism of youth."

[Transforming the Future](#)

"Essentially, we showed we can run 100 circuits in parallel, and it will take the same time as a single circuit," LLNL researcher Vaibhav Donde said. "But 100 is not a magic number. We have much more capability than that at the Lab, so we can run thousands or maybe more of those scenarios in parallel and achieve a similar order of performance. It opens up the possibility of what we can do in the future and may transform how utilities plan the future grid."

[NNSS, Virginia Tec Partner on UAS Radiation Detection](#)

The Palanquin nuclear test took place at the NNSS in April 1965 as part of the Plowshare Program, leaving behind the perfect venue for these test flights. This area was chosen because the low levels of radiation that remain allow the UAS to gather realistic data. Using this technology will allow data to be safely gathered in the event of a radiological incident.

Subcommittee
CONVERGENT

FFR, STARS, EPI, COOP, ERA, T&D, SEMTECH, DMCC, SEMPER

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[From Active Shooter to Zombie Apocalypse](#)

The Just In Time Disaster Training Library provides access to videos and training for individuals, emergency planners, government agencies and organizations online.

[Encouraging First Responder Mental Health Counseling](#)

Historically, first responders have worked in a culture where you are expected to keep quiet and handle it. That approach does not work and if mental health issues are not addressed, they can affect job performance, family life and

even physical health. Often it just takes one trusted person speaking up to change perceptions.

[ANL Strengthens and Secures US Electrical Grid](#)

At the U.S. Department of Energy's (DOE) Argonne National Laboratory, scientists from multiple disciplines are leveraging their collective expertise and world-class facilities to solve these complex problems. Their efforts are helping to make the U.S. electric grid more resilient against all hazards, from natural events like hurricanes, earthquakes and winter storms, to potential cyberattacks or other acts of terrorism — while also staying adaptive to new technological changes.

Please let us know if you've [enjoyed this edition](#) of the Emergent, or how we can [improve future editions](#).