

OCTOBER 27, 2019 11:00AM

How Law Enforcement Informs Homeland Security R&D

Milt Nenneman, DHS S&T

The First Responder Resource Group (FRRG) is a volunteer working group that includes 150 members of state, local, federal and tribal law enforcement, fire departments, EMS, and more. The group helps DHS S&T focus on top responders needs and maximize their safety, effectiveness, and preparedness in the field. Every year, DHS S&T meets with the FRRG to prioritize critical capability gaps and operational requirements that will inform the next generation of homeland security R&D. Let's hear from you: what are your agency's biggest challenges and how can technology solve them?

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- <https://bit.ly/2IWp0p5>
- <https://bit.ly/2VKEGK>
- <https://bit.ly/31h6Btv>

1:30 PM

Reducing Preventable Officer Distracted Driving Incidents

Jim Grove, DHS S&T Today's patrol vehicles have essentially become mobile offices. For all their benefits and conveniences, communications and information-sharing systems often lead to cognitive, visual and manual distractions—just a few seconds can mean the difference between a routine shift and a serious or fatal collision. Over the next two years, DHS S&T will partner with stakeholders from law enforcement, academia, local, state and federal agencies, and the private sector to apply a systems-engineering approach to reducing law enforcement distracted driving incidents. IACP community: we need your voice in our R&D efforts!

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3:30 PM

State, Local and Tribal Law Enforcement Training

Charles Brewer, FLETC

The Federal Law Enforcement Training Centers (FLETC) supports law enforcement communities by conducting low- and no-cost trainings on campuses in Georgia, New Mexico, South Carolina and Maryland, and deployed in the field to training locations across the U.S. During this IACP session, FLETC will highlight its Tactical Medical for First Responders program, which will define a Medical Threat Assessment, including include a medical plan for tactical operations. FLETC will also discuss Active Shooter Threat training resources and other programs that support the development of specialized law enforcement knowledge and skills.

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- <https://bit.ly/2IVGkKR>
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OCTOBER 28, 2019 11:00AM

Lessons from NYC: Using Tech to Plan for Critical Incidents

Alice Hong, DHS S&T NUSTL In 2017, DHS S&T's **National Urban Security Technology Laboratory** led an exercise with New York state and local emergency responders and the National Guard at Grand Central Terminal—one of the busiest U.S. stations with 750,000 daily visitors. Goal: evaluate tactics, techniques and procedures the responders would use during live active shooter or critical incidents. Commercial technologies for blue-force tracking and situational awareness, gunshot detection, and video analytics were integrated and assessed by participants and commanders to determine their effectiveness in managing a response to a large-scale, urban, critical incident.

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2:00 PM

Securing the 2021 World Games

John Merrill, DHS S&T

DHS S&T recently led a demonstration of emergency response technologies during a simulated earthquake/HAZMAT event at Legion Field in Birmingham, Alabama. Goal: ensure the city and region are prepared prior to the global sporting event there in 2021. DHS S&T partnered with stakeholders to identify mission-critical needs, pair them with DHS-funded and commercial technologies, and integrate those technologies to enhance response capabilities. DHS S&T and first responders evaluated how the technologies integrate using open standards and how they enhance communications, increase coordination, improve responder safety, and augment situational awareness.

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3:30 PM

Harnessing Social Media Data for Increased Situational Awareness

Dr. Jingjing Guo, Purdue University VACCINE Center

SMART, the Social Media Analytics and Reporting Toolkit, is an interactive web-accessible system that provides users with social media data for analysis and visualization. Developed by the **Center for Visualization and Data Analytics**, a DHS S&T Center of Excellence, the SMART system leverages the latest data visualization and machine learning technologies to provide decision support in critical public safety events. The system has been deployed to multiple real-time events, including the 2017 Inauguration, Hurricanes Harvey and Florence, and the 2018 State of the Union, to augment emergency responder situational awareness.

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OCTOBER 29, 2019 10:30AM

New Tech and Training Available for Threat Detection

Jim Grove, DHS S&T

Looking for new tools to help train officers and security personnel with detecting threats in the x-ray screening process or spotting a fake ID or imposter? How about conducting proper pat-down procedures while applying correct pressure? Join us to hear about some of the latest performance optimization and training tools available for law enforcement and the security industry.

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- <https://bit.ly/2J5bWhj>
- <https://bit.ly/32rpKdC>

12:00 PM

Private Sector Opportunities in First Responder R&D

Milt Nenneman, DHS S&T

DHS S&T works with diverse partners from across the government, industry, academia, laboratories, and the innovation community to develop technologies that help secure the nation. We are looking for partners who can translate cutting-edge ideas—or even technologies already on the market—into solutions that will keep our first responders safer and more effective in the field.

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