

ADVANCING SCIENCE AND TECHNOLOGY APPLICATIONS

The New York Area Science and Technology (NYAST) forums are organized by the [National Urban Security Technology Laboratory \(NUSTL\)](#), part of the Department of Homeland Security (DHS) Science and Technology Directorate (S&T), to connect first responders with science and technology advancements that can be used to enhance their operations.

Topical quarterly meetings are held at NUSTL and focus on homeland security missions or project areas, featuring multiple speakers and demonstrations. Informative question and answer sessions and an opportunity for one-on-one follow-up conversations with the speakers and other attendees are a key part of each forum. NUSTL has hosted more than 40 NYAST meetings since 2003.

INTRODUCING EMERGING TECHNOLOGIES TO FIRST RESPONDERS

NYAST provides an opportunity for first responders to explore emerging technologies and systems that will allow them to work more efficiently and effectively. Forum topics have included virtual training for active shooter response, biometric technologies, unmanned aerial systems, advances in surveillance technology, wearable physiological sensors, heads-up displays, and electronic jamming of emergency communications.



Law enforcement officers try on backpack and vest-mounted prototypes of the Wearable Intelligent Nuclear Detection at the 41st NYAST forum.



Attendees view virtual training solutions at the 32nd NYAST forum.

SERVING THE HOMELAND SECURITY COMMUNITY

The vetted NYAST community consists of more than 500 members from nearly 150 different organizations. They include DHS component representatives, state and local emergency preparedness planners and decision makers, and first responders in law enforcement, fire response, hazardous materials specialists and emergency medical services. Government-sponsored subject matter experts in the private sector and academic communities are also members. These members represent organizations including:

- Federal Bureau of Investigation
- Metropolitan Transportation Authority
- National Weather Service
- New York City Emergency Management, Fire, and Police Departments
- New York University
- Port Authority of New York and New Jersey
- Stevens Institute of Technology
- U.S. Department of Energy National Laboratories
- U.S. Environmental Protection Agency

CONNECTING USERS AND DEVELOPERS

NYAST provides unique opportunities for valuable interactions between homeland security professionals and end user operators. NYAST offers participating organizations an opportunity to better understand pressing issues and needs in homeland security and learn about cutting-edge technology solutions.