



Awareness and Localization of Explosives-Related Threats (ALERT)

*ALERT is an emeritus Department of Homeland Security (DHS)
Science and Technology (S&T) Directorate Center of Excellence
at Northeastern University, Boston, Massachusetts*

Advanced Development for Security Applications Workshop 24 Advancing Collaboration for Enhanced Security Virtual Workshop

October 5, 2021, 10 AM - 2 PM ET

October 6, 2021, 10 AM - 2 PM ET

Early arrival and virtual breakfast, 9:30 - 10:00 AM ET

Virtual lunch served at noon

WebEx Meetings

Links and passwords to be emailed

Breakout rooms provided for virtual hallway discussions

AGENDA

Subject to Change

Tuesday, October 5, 2021 - Day 1

Time	Topic	Speaker
9:30 AM	Early Arrival and Virtual Breakfast	
10:00 AM		Introductions
10:00 AM	Welcoming Remarks and ALERT's Emeritus Status	Michael Silevitch <i>Director Northeastern University / ALERT</i>
10:10 AM	Welcoming Remarks	Laura Parker <i>Senior Advisor for Sensors Science and Technology Directorate Department of Homeland Security</i>
10:15 AM	Setting the Stage	Carl Crawford <i>President Csuptwo</i> Harry Martz <i>Associate Program Leader Center for Nondestructive Characterization Lawrence Livermore National Laboratory</i>

10:20 AM	TSA Perspectives	
10:20 AM	Technology Integration and Emerging Technology Trends	Daniel McCoy <i>Chief Innovation Officer</i> <i>Transportation Security Administration</i>
10:45 AM	TSA Perspective	Frank Cartwright <i>Capability Development & Integration Branch Manager</i> <i>Requirements, Human Performance & Engineering Division</i> <i>Transportation Security Administration</i>
11:05 AM	TSA Perspective	Matt Gilkeson <i>Innovation Task Force Division, Director</i> <i>Requirements and Capability Analysis</i> <i>Transportation Security Administration</i>
11:25 AM	Collaboration with Third Parties	Laura Parker <i>Senior Advisor for Sensors</i> <i>Science and Technology Directorate</i> <i>Department of Homeland Security</i>
11:40 AM	<i>Virtual Lunch</i>	
11:55 AM	Case Studies on Collaboration	
11:55 AM	Collaboration Methods	Diederik Stolk <i>Founding Partner</i> <i>Goldsworthy, Stolk & Associates</i>
12:15 PM	More Profound Collaboration	Lee Spanier <i>Spectroscopy Branch Manager</i> <i>Transportation Security Laboratory</i> <i>Department of Homeland Security</i>
12:30 PM	Collaborative Development of Open Standards	Roshni Sherbondy <i>Senior Associate</i> <i>Booz Allen Hamilton</i> Dave Menga <i>Chief Technologist</i> <i>Booz Allen Hamilton</i>
12:45 PM	Development of a Scientifically Based Training and Assessment Platform for X-ray Screeners	Sarina Baumgartner <i>Product Manager</i> <i>Center for Adaptive Security Research and Applications (CASRA)</i>
1:00 PM	Collaboration Experiences while Developing XRD with S&T, TSA and Vendors	Joel Greenberg <i>Associate Research Professor</i> <i>Duke University</i>
1:15 PM	LMI Examples of Collaboration	Linda Bixby <i>Director, Academic Programs</i> <i>LMI Research Institute</i>
1:30 PM	Collaboration in Medical Imaging/Radiology	
1:30 PM	Collaboration Between Academia and Industry in Medical Imaging - A Vendor Perspective	Jiang Hsieh <i>Chief Scientist, retired</i> <i>GE Healthcare</i>

1:45 PM	Benefits of Vendors Collaborating with Academic for Medical Imaging - A Researcher Perspective	Robert Nishikawa <i>Professor</i> <i>Director, Imaging Research Division</i> <i>Department of Radiology</i> <i>University of Pittsburgh</i>
2:00 PM	Adjourn	Carl Crawford <i>President</i> <i>Csuptwo</i>

Wednesday, October 6, 2021 - Day 2

Time	Topic	Speaker
9:30 AM	Early Arrival and Virtual Breakfast	
10:00 AM	Call to Order & Setting the Stage	Carl Crawford <i>President</i> <i>Csuptwo</i>
10:05 AM	Airline & Airport Perspectives	
10:05 AM	Pragmatic Cybersecurity	Richard Dempers <i>Lead Designer – Security Transformation Programme and Open Architecture</i> <i>Heathrow Airport</i> Eugene Kramer <i>Head of Cybersecurity for Passenger, AVSEC and Borders</i> <i>Security Strategy and Cyber Defence</i> <i>Heathrow Airport</i>
10:25 AM	Airline Perspective on Collaboration	Ben Herbig <i>Security Innovation</i> <i>American Airlines</i> Tim Lorenzen <i>American Airlines</i>
10:45 AM	Vendor and Third Party Perspectives	
10:45 AM	A Vendor Perspective on Collaborations	Cameron Ritchie <i>Chief Global Engineering and Technology Officer</i> <i>Leidos</i>
11:05 AM	On Collaboration - A Third-Party Perspective	Simon Bedford <i>VP Business Development</i> <i>Telesecurity Sciences</i> Sam Song <i>Chief Technology Officer</i> <i>Telesecurity Sciences</i>
11:25 AM	<i>Virtual Lunch</i>	

11:45 AM	Perspectives from Other Disciplines	
11:45 AM	Ending Innovation Tourism	Jack Corrigan <i>Research Analyst</i> <i>Center for Security and Emerging Technology</i> <i>Georgetown University</i>
12:05 PM	U.S -Mexico Task Force – COVID-19	Gregory Pompelli <i>Director</i> <i>Cross-Border Threat Screening and Supply Chain</i> <i>Defense</i> <i>DHS Center of Excellence</i> <i>Texas A&M University</i>
12:25 PM	Emerging Technologies	
12:25 PM	Deep Reconstruction	Ge Wang <i>Clark & Crossan Endowed Chair Professor</i> <i>Director, Biomedical Imaging Center</i> <i>Rensselaer Polytechnic Institute</i>
12:45 PM	Validation of ML Algorithms for Medical Applications	Andreu Badal <i>Physicist</i> <i>Food and Drug Administration (FDA)</i>
1:05 PM	Calypso’s Software to Facilitate the Validation, Monitoring, and Security of Enterprise AI Platforms.	Andy Spage <i>Director, Solutions Architecture</i> <i>CalypsoAI</i>
1:20 PM	DHS Perspective	
1:20 PM	About Screening at Speed and Passenger Self-Screening	John Fortune <i>Screening at Speed Program Manager</i> <i>Science and Technology Directorate</i> <i>Department of Homeland Security</i>
1:40 PM	Next Steps	
1:40 PM	Summary and Next steps	Harry Martz <i>Associate Program Leader</i> <i>Center for Nondestructive Characterization</i> <i>Lawrence Livermore National Laboratory</i> Carl Crawford <i>President</i> <i>Csuptwo</i>
1:55 PM	Closing Remarks - DHS	Laura Parker <i>Senior Advisor for Sensors</i> <i>Science and Technology Directorate</i> <i>Department of Homeland Security</i>
1:57 PM	Closing Remarks - ALERT	Michael Silevitch <i>Director</i> <i>Northeastern University / ALERT</i>
2:00 PM	Adjourn	Carl Crawford <i>President</i> <i>Csuptwo</i>