



**ALERT**  
 AWARENESS AND LOCALIZATION  
 OF EXPLOSIVES-RELATED THREATS

Awareness and Localization of Explosives-Related Threats (ALERT)  
 ALERT is supported by the Department of Homeland Security (DHS)  
 Science and Technology (S&T) Directorate and  
 Customs and Border Protection (CBP) Office of Field Operations through the  
 Office of University Programs (OUP)

**Advanced Development for Security Applications Workshop  
 Customs and Border Protection (ADSA-CBP-01)**

June 20-21, 2018

17th Floor Event Space, East Village  
 (291 Saint Botolph Street, Boston, MA 02115)  
 Northeastern University, Boston, MA

# AGENDA

## Wednesday, June 20, 2018 - Day 1

Time	Topic	Speaker	Affiliation
7:30 AM	<b>Check-in/Breakfast</b>		
		<b>Introductions</b>	
8:30 AM	Welcoming Remarks - ALERT	Michael Silevitch	Northeastern University / ALERT Distinguished Professor and Director
8:35 AM	ADSA-CBP Introduction	David Taylor	DHS - Science & Technology - Borders and Maritime Division Program Manager
8:50 AM	Setting the Stage	Carl Crawford	Csuptwo, President
		<b>DHS-CBP Perspectives</b>	
9:00 AM	Cargo and Conveyance Security - NII perspective	Robert Watt	DHS CBP - Director NII Division
9:45 AM	<b>Break</b>		
10:10 AM	Los Angeles/Long Beach Seaport	LaFonda Sutton-Burke	DHS CBP, Los Angeles/Long Beach Seaport - Area Port Director
10:45 AM	CBP Targeting for Cargo and CBP Data Analytics and Risk Assessment	Roland Suliveras	DHS CBP Cargo Targeting, Director
11:20 AM	<b>Lunch</b>		
12:20 PM	CBP's Laboratories and Scientific Services: History, Operations, and Emerging Capability Requirements	Chris Mocella	DHS CBP - Chief Science Officer
12:55 PM	Opioid Detection at Mail Facilities	Rosanna Robertson	DHS S&T - Chemical Biological Defense Division Program Manager

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>	<b>Affiliation</b>
1:20 PM	Agriculture Non-Intrusive Inspection in CBP Ports of Entry: Capability Requirements	Romelito Lapitan	DHS CBP Bio/Agro Terrorism Division, Director
<b>Other Government Perspectives</b>			
1:45 PM	Synergy with Air Cargo Inspection	Kumar Babu	DHS Science & Technology Directorate, Program Manager, Explosives Division
2:05 PM	TSL's Efforts Toward CBP Detection Needs	Richard Lareau	DHS Science & Technology Directorate, Applied Research Division Chief
2:30 PM	CWMD's Related Efforts	Keith Jankowski	DHS CWMD, Program Analyst
2:55 PM	Cargo Inspection in Israel	Amir Neeman	Amir Neeman Consulting
3:15 PM	<b>Break</b>		
<b>Other Perspectives</b>			
3:40 PM	Sandia's Open Threat Analysis Platform	Andrew Cox	Sandia National Laboratory, Program Manager
4:00 PM	Cakeboxx	Daine Eisold	Cakeboxx Technologies. CEO
4:20 PM	Assessment and Measurement of Port Disruptions	Gabriel Weaver	University of Illinois at Urbana-Champaign, Research Scientist
<b>National Laboratory Perspectives</b>			
4:40 PM	Overview of LLNL Support for CWMD: Nuclear and Radiological Imaging Platform (NRIP) and Passive And X-ray Imaging Scanning (PAXIS)	Steve Glenn	LLNL, Deputy Project Lead, Nondestructive Characterization Institute
5:05 PM	PNNL Support of CBP and Portal Radiation Sensors	Kevin Dorow	PNNL, Deputy Project Manager for the Radiation Portal Monitoring Project
<b>DHS Centers of Excellence Perspectives</b>			
5:30 PM	DHS Center of Excellence at Northeastern University	Michael Silevitch	Northeastern University / ALERT Distinguished Professor and Director
5:45 PM	DHS Center of Excellence at Georgia Tech	Eva Lee	Georgia Tech, Professor and Director
6:00 PM	<b>Adjourn</b>		Carl Crawford Csuptwo, President



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## AGENDA

### Thursday, June 21, 2018 - Day 2

Time	Topic	Speaker	Affiliation
7:30 AM	<b>Check-in/Breakfast</b>		
8:00 AM	Call to order	Carl Crawford	Csuptwo, President
	<b>Company and EU Perspectives</b>		
8:05 AM	Securing the Homeland – Technologies that Scan at the Speed of Commerce -The Future Port of Entry	Stan DeFilippis	Leidos, Director
8:25 AM	Integration of Land Borders and Seaports	Jonathan Fleming	Screening Solutions, Executive Vice President
8:45 AM	Astrophysics - Company Technologies	Simon Bedford	Astrophysics, Director
9:00 AM	L-3 Technologies - Company Technologies	Randy Barnby	L-3 Technologies, Senior Program Manager
9:15 AM	Smiths Detection Products for CBP	Victor Chan	Smiths Detection, Manger
9:30 AM	IDSS - Company Technologies	Joe Paresi	IDSS, Founder and President
9:45 AM	<b>Break</b>		
10:10 AM	Collaborative Projects Under EU Security	Dr. ing. M. Slegt	Dutch Customs Laboratory, Senior Scientific Staff Member
10:35 AM	Passport's Scanning and Inspection Technologies	Steve Korbly	Passport Systems, Chief Operating System
10:50 AM	Vehicle Inspection with X-ray Backscatter	Jeffrey Hunt	Eikontec, Senior Director
11:10 AM	Supply Chain Security	Gregory Kleynerman	Red Flag Cargo Security Systems, Partner and Vice President
11:25 AM	<b>Lunch</b>		

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>	<b>Affiliation</b>
<b>Other Perspectives</b>			
12:00 PM	How to specify a detection problem?	Matthew Merzbacher	Smiths Detection, Director, Certification & Qualification
12:25 PM	Potential for Touch-Less Inspection of Cargo and Packages Using Mass Spectrometry	HJ Jost	Karsa Oy, CEO
12:40 PM	K9 Detection Technology for Cargo	Jennifer Haigh	K2 Solutions, Air Cargo Program Manager
12:55 PM	Standoff Detection	Mark Witinski	Pendar, Vice President of Chemical Analysis & Security
1:10 PM	Development and Certification of the Secure Hybrid Composite Shipping Container	Anthony Viselli	University of Maine, Manager of Offshore Model Testing and Structural Design
1:25 PM	Inspection Methods with Modulated-Energy X-ray Pulses	Anatoli Arodzero	RadiaBeam Technologies, Director of Detection Division
1:40 PM	Thru vision System	Kevin Gramer	Thruvision, Vice President
2:00 PM	Tunnel Detection	Carey Rappaport	Northeastern University /ALERT, Professor
2:15 PM	Gamma Ray Cargo Inspection	Jim Winso	Spectral Labs Incorporated, President & CEO
2:30 PM	Mono-energetic Photon Sources	Cameron Geddes	Lawrence Berkeley National Lab, Staff scientist, BELLA center
2:45 PM	CT Strategies	Andrew Farrelly	CT Strategies, Partner
<b>Next Steps</b>			
3:15 PM	Discussion, Summary and Next Steps	Carl Crawford	Csuptwo, President
<b>Closing Remarks</b>			
3:50 PM	Closing Remarks	Michael Silevitch	Northeastern University / ALERT Distinguished Professor and Director
3:55 PM	Closing Remarks	David Taylor	DHS - Science & Technology - Borders and Maritime Division Program Manager
4:00 PM	<b>Adjourn</b>	Carl Crawford	Csuptwo, President