



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

## **ALERT Technology Showcase**

May 14, 2019, 10:00 AM – 5:00 PM  
Interdisciplinary Science and Engineering Complex  
805 Columbus Ave, Room 102  
Northeastern University, Boston, MA

## **AGENDA**

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<b>9:00am – 10:00am</b>	<b>Registration and Breakfast</b> <i>Auditorium, Room 102</i>
<b>10:00am - 10:10am</b>	<b>Welcoming Remarks</b> <i>Auditorium, Room 102</i> Michael Silevitch, ALERT Director Laura Parker, Department of Homeland Security Program Manager David Luzzi, Senior Vice Provost for Research and Vice President of the Innovation Campus at Burlington, MA
<b>10:10am – 10:30am</b>	<b>DHS Perspective (Keynote)</b> <i>Auditorium, Room 102</i> Matthew Coats, Director of University Programs, DHS Office of University Programs
<b>10:30am – 11:10am</b>	<b>ALERT Research Overview</b> <i>Auditorium, Room 102</i> Michael Silevitch
<b>11:10am – 11:25am</b>	<b>Break</b>
<b>11:25am – 11:55am</b>	<b>Panel Discussion on ALERT Transition Success and Opportunities</b> <i>Auditorium, Room 102</i> Emel Bulat, David Castañón, Jimmie Oxley, and Michael Silevitch
<b>11:55am - 12:15pm</b>	<b>Industry and Government Collaboration</b> <i>Auditorium, Room 102</i> Emel Bulat and Kristy Provinzano
<b>12:15pm – 1:00pm</b>	<b>Lunch and Networking</b> <i>Atrium</i>
<b>1:00pm – 4:10pm</b>	<b>Poster Session and Demos</b> (Demo Agenda on the back) <i>Classrooms 140 and 142</i>
<b>4:20pm – 4:45pm</b>	<b>The Multi-View CT: The World's First 3D CT Cargo System</b> <i>Transforming the future of air cargo security</i> <i>Auditorium, Room 102</i>
<b>4:45pm - 5:00pm</b>	<b>Closing Remarks and Adjourn</b> <i>Auditorium, Room 102</i>



## DEMO AGENDA

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### Room 142

**1:00 – 1:30**

**DEMO 1**

TEAS Microspheres and K-9 Detection  
in collaboration with Detectachem

Advancements in Trace Detection  
Advancements in Trace Detection via  
ADI (Ambient Desorption Ionization) in  
collaboration with Smith's Detection

SCHMOO - Safe Control of Hazardous  
Materials or Others Onsite

**1:40 – 2:00**

**DEMO 2**

Zero Power Infrared Wireless Sensor  
Node in collaboration with United  
Technology Corporation (UTC)

**2:10 – 2:30**

**DEMO 3**

System Design for "Stand-off" & "On-  
the-Move" Detection of Security  
Threats

**2:40 – 3:10**

**DEMO 1**

TEAS Microspheres and K-9 Detection  
in collaboration with Detectachem

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Advancements in Trace Detection via  
ADI (Ambient Desorption Ionization) in  
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SCHMOO - Safe Control of Hazardous  
Materials or Others Onsite

**3:20 – 3:40**

**DEMO 2**

Zero Power Infrared Wireless Sensor  
Node in collaboration with United  
Technology Corporation (UTC)

**3:50 – 4:10**

**DEMO 3**

System Design for "Stand-off" & "On-  
the-Move" Detection of Security  
Threats

### Room 140

**1:00 – 1:30**

**DEMO 4**

Dynamics-Based Video Analytics: In-  
the-Exit, Re-ID and Correlating  
Luggage and Specific Passengers  
(CLASP) In collaboration with CLE,  
MassPort, TSA and DHS

**1:40 – 2:00**

**DEMO 5**

Optical trace explosives detection  
using commercially available low-cost  
devices

**2:10 – 2:30**

**DEMO 6**

Standoff Detection of Hazardous  
Materials at Pendar Technologies

**2:40 – 3:10**

**DEMO 4**

Dynamics-Based Video Analytics: In-  
the-Exit, Re-ID and Correlating  
Luggage and Specific Passengers  
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Standoff Detection of Hazardous  
Materials at Pendar Technologies