



**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 Virtual Technology Showcase

April 21, 2021, 1:00 PM ET – 4:00 PM ET  
April 22, 2021, 1:00 PM ET – 4:00 PM ET

## Agenda

## Day 1 - April 21, 2021

---

<b>1:00pm – 1:10pm</b>	<b>Welcoming Remarks</b> <i>Michael Silevitch, ALERT Director</i> <i>Gregory D. Abowd, Dean of College of Engineering, Northeastern University</i> <i>Laura Parker, Department of Homeland Security Program Manager</i>
<b>1:10pm – 1:30pm</b>	<b>Keynote</b> <i>LaFonda Sutton-Burke, Port Director for CBP at Los Angeles International Airport</i>
<b>1:30pm – 1:45pm</b>	<b>Simulated Air Cargo Skids Task Order</b> <i>Carl Crawford, Csuptwo LLC</i>
<b>1:45pm – 2:00pm</b>	<b>CLASP (Correlating Luggage and Specific Passengers)</b> <i>Deanna Beirne, Northeastern University</i> <i>David Castañón, Boston University</i> <i>Octavia Camps, Northeastern University</i> <i>Henry Medeiros, Marquette University</i> <i>Rich Radke, Rensselaer Polytechnic Institute</i>
<b>2:00pm – 2:15pm</b>	<b>Autonomous Raman System for the Analysis of Trace Residues on Surfaces</b> <i>Eric Miller, Tufts University</i> <i>Romain Blanchard, Pendar Technologies</i>
<b>2:15pm – 2:25pm</b>	<b>Break</b>
<b>2:25pm – 2:40pm</b>	<b>UAV-Based Sensors for the Detection of Threats</b> <i>Otto Gregory, University of Rhode Island</i>
<b>2:40pm – 2:55pm</b>	<b>A Tool and Method for Simulating Explosives Particle Adhesion</b> <i>Steve Beaudoin, Purdue University</i>
<b>2:55pm – 3:25pm</b>	<b>ALERT Alumni Success Stories Panel</b> <i>Moderated by Carey Rappaport, Northeastern University</i> <i>David Benirschke, University of Notre Dame</i> <i>Limor Martin, SeeTrue AI</i> <i>Alex Showalter-Bucher, Formerly with MIT Lincoln Lab, Currently with DarkPumpkin AI</i> <i>Melissa Sweat, Defense Threat Reduction Agency (DTRA)</i>
<b>3:25pm - 3:30pm</b>	<b>Day 1 Closing Remarks</b> <i>Carey Rappaport, Northeastern University</i>
<b>3:30pm – 4:00pm</b>	<b>Networking Session</b> Please join us in breakout rooms led by Day 1 demo presenters for an opportunity to ask questions or connect. Feel free to hop around different rooms to meet new people or connect with old colleagues.



**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 through the  
Office of University Programs (OUP)

## ALERT Virtual Technology Showcase

April 21, 2021, 1:00 PM ET – 4:00 PM ET

April 22, 2021, 1:00 PM ET – 4:00 PM ET

## Agenda

## Day 2 - April 22, 2021

---

<b>1:00pm – 1:05pm</b>	<b>Welcoming Remarks</b> <i>Michael Silevitch, ALERT Director</i> <i>Laura Parker, Department of Homeland Security Program Manager</i>
<b>1:05pm – 1:25pm</b>	<b>Keynote</b> <i>Rebecca Medina, Director, Office of University Programs, Department of Homeland Security</i>
<b>1:25pm – 1:40pm</b>	<b>Distributed, Low-cost Multi-Sensor Detection, Imaging and Analysis Network</b> <i>Scott Howard, University of Notre Dame</i>
<b>1:40pm – 1:55pm</b>	<b>Astrophysics Multi-View CT</b> <i>David Castañón, Boston University</i> <i>François Zayek, Astrophysics Inc.</i> <i>Brett Tally, Astrophysics Inc.</i>
<b>1:55pm – 2:10pm</b>	<b>Zero Power Infrared Wireless Sensor Node in collaboration with United Technology Corporation (UTC)</b> <i>Matteo Rinaldi, Northeastern University</i> <i>Zhenyun Qian, Northeastern University</i> <i>Sunggho (Ryan) Kang, Northeastern University</i>
<b>2:10pm – 2:20pm</b>	<b>Break</b>
<b>2:20pm – 2:35pm</b>	<b>SCHMOO (Safe Control of Hazardous Materials or Others Onsite)</b> <i>Jimmie Oxley, University of Rhode Island</i>
<b>2:35pm – 3:05pm</b>	<b>ALERT as an Emeritus Center Panel</b> <i>Moderated by Michael Silevitch, ALERT Director</i> <i>Jennifer Dy, Northeastern University</i> <i>John Fortune, Department of Homeland Security</i> <i>Matthew Merzbacher, Alameda County Community Food Bank</i> <i>Fernando Quivira, Engineering Consultant</i> <i>Carey Rappaport, Northeastern University</i>
<b>3:05pm - 3:15pm</b>	<b>Closing Remarks</b> <i>Michael Silevitch, ALERT Director</i>
<b>3:15pm – 4:00pm</b>	<b>Networking Session</b> Please join us in breakout rooms led by Day 2 demo presenters for an opportunity to ask questions or connect. Feel free to hop around different rooms to meet new people or connect with old colleagues.