## ALERT Technology Showcase

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

### Demos

<table>
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| TBD    | Prof. Jimmie Oxley  
*University of Rhode Island* | TEAS Microspheres and K-9 Detection in collaboration with Detectachem  
Advancements in Trace Detection  
Trace Detection via ADI (Ambient Desorption Ionization) in collaboration with Smith’s Detection  
SCHMOO - Safe Control of Hazardous Materials or Others Onsite | TBD |
| TBD    | Prof. Scott Howard  
*University of Notre Dame* | Optical trace explosives detection using commercially available low-cost devices | TBD |
| TBD    | Prof. Jose Martinez  
*Northeastern University* | System Design for "Stand-off" & "On-the-Move" Detection of Security Threats | TBD |
| TBD    | Prof. Octavia Camps  
*Northeastern University*  
Prof. Mario Sznaier  
*Northeastern University*  
Prof. Rich Radke  
*Rensselaer Polytechnic Institute*  
Prof. Henry Medeiros  
*Marquette University* | Dynamics-Based Video Analytics: In-the-Exit, Re-ID and Correlating Luggage and Specific Passengers (CLASP)  
In collaboration with CLE, MassPort, TSA and DHS | TBD |
| TBD    | Prof. Eric Miller  
*Tufts University*  
Mark Witinski  
*Pendar* | Standoff Detection of Hazardous Materials at Pendar Technologies | TBD |
| TBD    | Prof. Matteo Rinaldi  
*Northeastern University* | Zero Power Infrared Wireless Sensor Node in collaboration with TBD | TBD |
### 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)*

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| TBD   | Prof. David Castanon  
*Boston University*  
Francois Zayek  
*Astrophysics Inc.*  
Fernando Quivira  
*Northeastern University* | Advanced Multispectral CT Algorithms for Cargo Screening in collaboration with Astrophysics | TBD |