## In-Person and Virtual Workshop

**AGENDA**

*Subject to Change*

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
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<tr>
<td>8:00 AM - 9:00 AM</td>
<td>Check-in/Breakfast</td>
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</table>
| 9:00 AM - 9:15 AM | Welcoming Remarks - SENTRY & ALERT [In person] | Michael Silevitch:  
                      Director, SENTRY  
                      Founding Director, ALERT  
                      Northeastern University |
| 9:15 AM - 9:20 AM | Northeastern University Welcome [In person] | Gregory Abowd:  
                      Dean of the College of Engineering  
                      Northeastern University |
| 9:20 AM - 9:25 AM | Welcoming Remarks - DHS [In person]        | Laura Parker:  
                      Senior Advisor for Sensors  
                      Tech Centers Division  
                      Science and Technology Directorate  
                      Department of Homeland Security |
<p>| 9:25 AM - 9:40 AM | Setting the Stage [In person]              | Carl Crawford: Csuptwo                     |</p>
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<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Panelist</th>
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| 9:40 AM - 10:30 AM | DHS Perspectives - Panel Discussion | Panelist: Ryan Donaghy  
[In person]  
Associate Director  
Planning & Innovation Infrastructure Security Division  
DHS Cybersecurity and Infrastructure Security Agency (CISA)  
Panelist: Laura Parker  
[In person]  
Senior Advisor for Sensors  
Tech Centers Division  
Science and Technology Directorate  
Department of Homeland Security  
Moderator: Michael Silevitch  
[In person]  
Director, SENTRY  
Founding Director, ALERT  
Northeastern University |
| 10:30 AM - 11:20 AM | Break |  |
| 11:20 AM - 12:00 PM | Case Studies & School Security | Gunman at Memphis School Thwarted by Security Measures & SCN's Command Center  
[In person]  
Stephanie Viegas  
Deputy National Security Advisor  
Secure Community Network  
A First-Hand Account: Understanding the Impact of a School Shooting  
[Virtual]  
Penelope (Penny) Eucker  
Executive Director, retired  
STEM School Highlands Ranch  
Methods to Protect Soft Targets  
[In person]  
Marty Foldes  
Director of Operations  
Proventus  
Michael Stern  
CEO  
Proventus |
| 12:00 PM - 12:25 PM | Lunch |  |
| 1:50 PM - 2:05 PM | Workforce Development | Engineering PLUS Alliance Corporate Affiliates Program  
[In person]  
Tim Enright  
Industry Partnerships  
Northeastern University |
|                | Command Centers |  |
2:05 PM - 2:25 PM  Insights learned During the Development of a Domain Awareness Platform for Protecting Schools  
Lisa Dolev  
Founder  
CATS2 Foundation  
Haley Braff  
CATS2 Community Outreach Specialist  
CATS2 Foundation

2:25 PM - 2:45 PM  What Makes it So Difficult to Deploy Command and Control Systems?  
Victor Todorov  
Chief, Advance Targeting Unit  
Los Angeles/Long Beach Seaport  
U.S. Customs and Border Protection

2:45 PM - 3:05 PM  Many Screens, One human - What Could Go Wrong and What Might Help?  
Jeremy Wolfe  
Professor of Ophthalmology & Radiology  
Harvard Medical School

3:05 PM - 4:00 PM  Break

4:00 PM - 4:25 PM  Command Center Functionality for Soft Targets  
David Castañón  
Professor  
Department of Electrical and Computer Engineering  
Boston University

4:25 PM - 4:45 PM  Virtual Sentry Connectivity to the Events at Robb Elementary School, Uvalde, Texas  
Carl Crawford  
Csutwo

4:45 PM - 4:55 PM  SENTRY - The Basic Ordering Agreement  
Michael Silevitch  
Founding Director, ALERT  
Director, SENTRY  
Northeastern University

4:55 PM - 5:10 PM  Active Shooter Tracking and Evacuation Routing for Survival (ASTERS) - Update  
Subhadeep Chakraborty  
Associate Professor  
Mechanical, Aerospace and Biomedical Engineering Department  
University of Tennessee, Knoxville

5:10 PM - 5:30 PM  Enhancing School Security  
Anthony Feola  
Director of Facilities, Security & Transportation  
Lincoln Public Schools

Miscellaneous Topics
# Wednesday, November 15, 2023 - Day 2

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<thead>
<tr>
<th>Time</th>
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<td>7:30 AM - 8:00 AM</td>
<td>Check-in/Breakfast</td>
<td>Carl Crawford</td>
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<td>8:00 AM - 8:05 AM</td>
<td>Call to Order [In person]</td>
<td>Carl Crawford</td>
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<td>8:05 AM - 8:40 AM</td>
<td>TSA Keynote Speaker [Virtual]</td>
<td>Jim Bamberger</td>
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<td>DHS Perspectives</td>
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<td>Jim Bamberger</td>
<td>Branch Chief</td>
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<td>Public Area Security and Infrastructure</td>
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<td>Protection Requirements &amp; Capabilities Analysis</td>
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<td>US Department of Homeland Security</td>
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<td>8:40 AM - 9:00 AM</td>
<td>Understanding Crowds and the Road to Scalable Intelligent Security [Virtual]</td>
<td>David Clark</td>
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<td>9:00 AM - 9:20 AM</td>
<td>Real Time Management of Threat Detection &amp; Mitigation [In person]</td>
<td>David Castañón</td>
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<td>Boston University</td>
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<td>9:20 AM - 9:40 AM</td>
<td>Advanced Sensing Technologies for Threat Detection and Mitigation [In person]</td>
<td>Carey Rappaport</td>
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<td>Director, ALERT</td>
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<td>Northeastern University</td>
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<td>9:40 AM - 10:00 AM</td>
<td>Risk Assessment, Prediction and Deterrence of Soft target threats [In person]</td>
<td>Jun Zhuang</td>
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<td>Professor</td>
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<td>Department of Industrial</td>
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<td>and Systems Engineering</td>
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<td></td>
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<td>University at Buffalo</td>
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<td>10:00 AM - 10:35 AM</td>
<td>Break</td>
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10:35 AM - 10:55 AM  Layered Security Design for Schools: Building Types and Contexts  
In person  
Peter Wiederspahn  
Associate Professor  
School of Architecture  
Northeastern University

10:55 AM - 11:15 AM  Virtual Sentry Framework Testbed  
Virtual  
Scott Howard  
Associate Professor  
Electrical Engineering  
University of Notre Dame

11:15 AM - 11:35 AM  Sentry Development Framework for Modeling and Simulation Capabilities  
In person  
John Taibi  
Vice President of Business Development  
Cambridge Consultants

11:35 AM - 12:25 PM  Lunch

12:25 PM - 12:45 PM  Evolv's Experiences with Protecting Schools  
In person  
Michael Ellenbogan  
Founder & Chief Innovation Officer  
Evolv Technology

12:45 PM - 1:05 PM  Extended Range Concealed Object Detection with AI-based Millimeter Radar  
Virtual  
Fred Mohamadi  
CEO  
TiaLinx, Inc.

1:05 PM - 1:25 PM  Standoff Detection of Threats  
In person  
Vito Levi D'Ancona  
Director  
Scientific Venture Partners

1:25 PM - 1:45 PM  Using Speech to Detect Mental Health Symptoms: Benefits and Risks  
In person  
Daniel Low  
PhD Candidate  
Program in Speech and Hearing Bioscience and Technology  
Harvard University  
NIH Bridge2AI Voice as a Biomarker of Health Consortium

1:45 PM - 2:05 PM  On-Person Screening using Video-Rate Millimeter-Wave Imaging  
In person  
Michael Lanzaro  
President and CTO  
Liberty Defense

2:05 PM - 2:25 PM  Securing Soft Targets - Challenges and Opportunities in Development and Integration of Real-Time AI Algorithms for Video Data  
In person  
William Monroe  
Director of Data Science  
Analytical AI
2:25 PM - 2:45 PM  Break

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<tr>
<th>2:45 PM - 3:05 PM</th>
<th>Unintended Consequences, Civil Liberties, Privacy Concerns Related to Protecting Soft Targets [In person]</th>
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<tbody>
<tr>
<td>Jay Stanley</td>
<td>Senior Policy Analyst</td>
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<td>ACLU Speech, Privacy, and Technology Project</td>
<td>American Civil Liberties Union</td>
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<th>3:05 PM - 3:25 PM</th>
<th>Effectiveness of on-field security at sporting events [In person]</th>
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<tr>
<td>Mark Frank</td>
<td>Professor</td>
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<tr>
<td>Department of Communication</td>
<td>University at Buffalo</td>
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<td>State University of New York</td>
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<tr>
<th>3:25 PM - 3:40 PM</th>
<th>SafetyFox - A Decision Support Application for Rapid Egress for Home Fires and Other Situations [In person]</th>
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<tbody>
<tr>
<td>Maya Sierra</td>
<td>Matilda Van Hecke</td>
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<tr>
<td>Clare Reddin</td>
<td>Tina Gleason</td>
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<td>Golda Meir School</td>
<td>Project Lead The Way</td>
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<th>3:40 PM - 3:55 PM</th>
<th>Summary and Next steps [In person]</th>
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<tr>
<td>Harry Martz</td>
<td>Associate Program Leader</td>
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<td>Center for Nondestructive Characterization</td>
<td>Lawrence Livermore National Laboratory</td>
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<th>3:55 PM - 4:00 PM</th>
<th>Closing Remarks - SENTRY &amp; ALERT [In person]</th>
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<td>Michael Silevitch</td>
<td>Director, SENTRY</td>
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<th>Adjourn</th>
<th>Carl Crawford</th>
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