

# Awareness and Localization of Explosives-Related Threats (ALERT)

A Department of Homeland Security Center of Excellence



## Algorithm Development for Security Applications (ADSA) Workshop 06: Development of Fused Explosive Detection Equipment with Specific Application to Advanced Imaging Technology

November 8-9, 2011

Northeastern University, Boston, MA

# AGENDA

DAY 1				
Time	Duration	Topic	Speaker	Affiliation
8:15 AM	0:45	Registration/Continental breakfast		
9:00 AM	0:05	Call to order	Carl Crawford	Csuptwo
9:05 AM	0:10	Welcoming remarks - ALERT	Michael Silevitch	Northeastern University / ALERT
9:15 AM	0:10	Welcoming remarks - DHS	Doug Bauer	DHS
9:25 AM	0:10	Logistics	Mariah Nóbrega	Northeastern University / ALERT
9:35 AM	0:40	Workshop objectives and ADSA06 review	Carl Crawford	Csuptwo
10:15 AM	0:30	Break		
10:45 AM	0:30	Fusion development and deployment - Part I	Matthew Merzbacher	Morpho Detection
11:15 AM	0:45	Fusion development and deployment - Part II	Carl Crawford	Csuptwo
12:00 PM	1:00	Lunch		
1:00 PM	0:30	Examples of fusion in medical imaging	Homer Pien	Massachusetts General Hospital
1:30 PM	0:30	Combined optical and x-ray Mammography	Qianqian Fang	Massachusetts General Hospital
2:00 PM	0:40	Millimeter-wave AIT review	David Sheen	Pacific Northwest National Lab
2:40 PM	0:30	Break		
3:10 PM	0:40	Discussion - opportunities for fusion in AIT	All	
3:50 PM	0:30	X-ray backscatter AIT review	Homer Pien	Massachusetts General Hospital
4:20 PM	0:15	DHS comments on involvement of third parties	Laura Parker	DHS S&T
4:35 PM	0:15	Third party success stories	Michael Silevitch	Northeastern University / ALERT
4:50 PM	0:10	Topics for next workshop (ADSA07)	Carl Crawford	Csuptwo
5:00 PM	1:00	Reception sponsord by Csuptwo		
6:00 PM	1:00	Dinner		
7:45 PM	0:45	Dinner Speech - Fostering innovation in aviation security	Michael Ellenbogen	General Catalyst
		End Day 1		

<b>DAY 2</b>				
<b>Time</b>	<b>Duration</b>	<b>Topic</b>	<b>Speaker</b>	<b>Affiliation</b>
7:30 AM	0:30	Continental breakfast		
8:00 AM	0:05	Day 2 objectives	Carl Crawford	Csuptwo
		Sensor Fusion for PBIED		
8:05 AM	0:35	Detection	Scott MacIntosh	Reveal
8:40 AM	0:20	Fusion in DoD and discussion	Ross Deming	US Air Force
		Fusion opportunities at the		
9:00 AM	0:30	checkpoint	Kevin Johnson	Naval Research Laboratory
9:30 AM	0:45	Fusing MMW technologies	Carey Rappaport	Northeastern University
10:15 AM	0:20	Break		
		MMW using backscatter and		
		quantitative material		
10:35 AM	0:30	characterization	Steve Johnson	Telesecurity Sciences
11:05 AM	0:50	Thoughts on fusion	Eric Miller	Tufts University
		Adaptive screening		
11:55 AM	1:00	(presentation and discussion)	Harry Martz	Lawrence Livermore National Laboratory
12:55 PM	0:50	Lunch		
		How might technology		
		improve human detection		
1:45 PM	0:30	performance	Jeremy Wolfe	Harvard Medical School
2:15 PM	0:50	Next steps	Harry Martz	Lawrence Livermore National Laboratory
3:05 PM	0:45	Open discussion	All	
3:50 PM	0:05	Closing remarks - DHS	Laura Parker	DHS
3:55 PM	0:05	Closing remarks - ALERT	Michael Silevitch	Northeastern University
4:00 PM	0:00	Adjourn	Carl Crawford	Csuptwo