



2016 Scientific Workshop Agenda

Tuesday September 20th			
Time	Presentation	Presenter	Organization
<i>Welcome</i>			
9:15 - 9:25	<i>Welcome</i>		
9:25 - 10:00	Company Introductions (2 to 5 Min. per Organization)	Jean Giroux	All
10:00 - 10:45	Hyperspectral Imaging for Combustion and Polarimetric-Hyperspectral Imaging for Material Identification	Dr. Michael Rhoby Keynote Speaker	AFIT
<i>Break</i>			
10:45 - 11:10	<i>Break</i>		
11:10 - 11:35	Detection and Identification of Chemicals in Clutter Backgrounds Using Telops Hyper-Cam Data	Dr. Russell Warren	EO-Stat Inc.
11:35 - 12:00	Atmospheric Correction and Temperature-Emissivity Separation for Hyper-Cam Imagery	Dr. Steven Adler-Golden	Spectral Sciences
<i>Lunch Break</i>			
12:00 - 13:30	<i>Lunch Break</i>		
13:30 - 14:15	Hyperspectral Sensing in the LWIR - a Robust and Effective Tool for Detection of Hazardous Materials in Various Scenarios	Dr. Eyal Agassi Keynote Speaker	IIBR
14:15 - 14:40	Remote Detection and Flow Rates Quantification of Methane Releases Using Infrared Camera Technology and 3D Reconstruction Algorithm	Dr. Xavier Watremez (presented by Dr. Martin Chamberland, Telops)	Total
14:40 - 15:05	Hyperspectral Imaging: A User's Perspective	Dr. Ritchie D. Bullis	NAVAIR
<i>Break</i>			
15:05 - 15:30	<i>Break</i>		
15:30 - 15:55	A Quantitative Infrared Database for Trace Gas Detection: Construct and Properties with Applications to Prescribed-Fire Biomass Burns at Select Military Bases	Dr. Bruce E. Bernacki	Pacific Northwest National Laboratory (PNNL)
15:55 - 16:50	Hands-on Demonstration of Telops Hyper-Cam and New Reveal Pro Software	Dr. Martin Chamberland	Telops
<i>Break</i>			
16:50 - 17:00	<i>Break</i>		
<i>Happy Hour at the Hotel Bar - Drinks Offered by Telops</i>			
17:00 - 18:00	<i>Happy Hour at the Hotel Bar - Drinks Offered by Telops</i>		
<i>Dinner Offered by Telops at the Gordon Biersch Brewery</i>			
18:30	<i>Dinner Offered by Telops at the Gordon Biersch Brewery</i>		

Wednesday September 21st			
Time	Presentation	Presenter	Organization
<i>Arrival</i>			
9:00 - 9:10	<i>Arrival</i>		
9:10 - 9:55	Known Signature Detection in Hyperspectral Imagery Using Non-Parametric Data Models	Dr. David W. Messinger Keynote Speaker	RIT
9:55 - 10:20	Atmospheric Correction and Temperature Emissivity Separation on Hyper-Cam Data Based on Multisensory Surveys and Combination of Atmospheric Correction Methodology	Dr. Holger Eichstaedt	Dimap
<i>Break</i>			
10:20 - 10:45	<i>Break</i>		
10:45 - 11:10	Expanding the Dimensions of Hyperspectral Imagery to Improve Target Detection	Dr. Mark Z. Salvador	Zi Inc.
11:10 - 11:35	Mineral Identification in Hyperspectral Imaging Using Sparse-PCA	Dr. Bardia Yousefi (presented by Dr. Martin Chamberland, Telops)	Université Laval
11:35 - 12:00	Discussion & Closing Remarks	Group Discussion	
<i>End of Workshop</i>			