

**8th IEEE Workshop on Object Tracking and Classification Beyond the Visible Spectrum
(OTCBVS2011), in conjunction with CVPR 2011
Colorado Spring, Colorado, USA, June 25, 2011**

	8:00-8:30	<i>Complimentary breakfast</i>		
Introductory talk	8:30-8:40	Firooz Sadjadi, Behzad Kamgar-Parsi, Riad I. Hammoud, Guoliang Fan	Beyond the visible spectrum	
Invited talks	8:40-9:05	Aly Farag	Interceptors & simulated cool target tracking	
	9:05-9:30	Aswin C. Sankaranarayanan	Compressive video sensing	
Session 1. Automated object detection and classification	9:30-9:50	Nguyen Trung Thanh, Dinh Nho Hao, Hichem Sahli	Passive infrared technique for buried object detection and classification	pages 1-6
	9:50-10:10	Toufiq Parag	Coupled Label and Intensity MRF Models for IR Target Detection	pages 7-13
	10:10-10:30	<i>Coffee break</i>		
	10:30-10:50	Jason Isaacs	Laplace-Beltrami Eigenfunction Metrics and Geodesic Shape Distance Features for Shape Matching in Synthetic Aperture Sonar	Pages 14-20
	10:50-11:10	Tarek Elguebaly and Nizar Bouguila	A Nonparametric Bayesian Approach for Enhanced Pedestrian Detection and Foreground Segmentation	Pages 21-26
	11:10-11:30	Jason Isaacs and James Tucker	Diffusion Features for Target Specific Recognition with Synthetic Aperture Sonar Raw Signals and Acoustic Color	Pages 27-32
Session 2. Automated object tracking and recognition (1)	11:30-11:50	Vijay Venkataraman, Guoliang Fan, Liangjiang Yu, Xin Zhang, Weiguang Liu, Joseph Havlicek	Joint Target Tracking and Recognition using View and Identity Manifolds	Pages 33-40
	11:50-12:10	Domingo Mery	Automated Detection in Complex Objects using a Tracking Algorithm in Multiple X-ray Views	Pages 41-48
	12:10-14:00	<i>Lunch</i>		
Session 2 Automated object tracking and recognition (2)	14:00-14:20	Ahmed Shalaby, Asem Ali, Aly Farag	Simultaneous Identification and Tracking of Moving Targets	Pages 49-54
	14:20-14:40	Guillaume-Alexandre Bilodeau, Ramla Ghali, Sébastien Desgent, Pierre Langlois, Rana Farah, Pier-Luc St-Onge, Sandra Duss, Lionel Carmant	Where is the rat? Tracking in low contrast thermographic images	Pages 55-60
Session 3. Registration and segmentation	14:40-15:00	Atousa Torabi, Guillaume-Alexandre Bilodeau	Local self-similarity as a dense stereo correspondence measure for thermal-visible video registration	Pages 61-67
	15:00-15:30	<i>Coffee break</i>		
	15:30-15:50	Guillaume-Alexandre Bilodeau, Pier-Luc St-Onge, Romain Garnier	Silhouette-based features for visible-infrared registration	Pages 68-73
	15:50-16:10	Thommen Korah, Swarup Medasani, Yuri Owechko	Strip Histogram Grid for Efficient LIDAR Segmentation from Urban Environments	Pages 74-81
Session 4. Feature extraction and localization	16:10-16:30	Farhana Bandukwala	Extracting Spatially and Spectrally Coherent Regions from Multispectral Images	Pages 82-87
	16:30-16:50	Antonio Robles-Kelly	Learning a Gaussian Basis for Spectra Representation Aimed at Reflectance Classification	Pages 88-95
	16:50-17:10	Zoltán Szlávik and Havasi László	A Method for Object Localization in a Multi-view Multimodal Camera System	Pages 96-103
	17:10-17:30	<i>Conclusions</i>		