

10th IEEE Workshop on Perception Beyond the Visible Spectrum (PBVS) Monday Morning (8:00AM-12:30PM), June 23, 2014		
	7:30-8:00	Complimentary Breakfast
Introduction	8:00-8:10	PBVS14 Welcome message
Keynote Talk	8:10-8:45	Dr. Erik P. Blasch (Air Force Research Lab, Rome, NY, USA)
Session 1. Thermal and infrared imaging	8:45-9:00	A Thermal Infrared Video Benchmark for Visual Analysis <i>Zheng Wu, Nate Fuller, Diane Theriault</i>
	9:00-9:15	Low Resolution Person Detection with a Moving Thermal Infrared Camera by Hot Spot Classification <i>Michael Teutsch, Thomas Mueller, Marco Huber, Juergen Beyerer</i>
	9:15-9:30	Improving Person Tracking Using an Inexpensive Thermal Infrared Sensor, <i>Michael Jones, Suren Kumar, Tim Marks</i>
Session 2. Activity recognition and surveillance	9:30-9:45	Cell Phone Usage Detection From HOV/HOT NIR Images <i>Yusuf Artan, Orhan Bulan, Robert Loce, Peter Paul</i>
	9:45-10:00	Ground-Based Activity Recognition at Distance and Behind Wall <i>Tao Wang, Riad Hammoud, Zhigang Zhu</i>
	10:00-10:15	Multi-Source Multi-Modal Activity Recognition in Aerial Video Surveillance <i>Riad I. Hammoud, Cem S. Sahin, Erik P. Blasch, Bradely J. Rhodes</i>
Coffee break	10:15-10:45	Poster preparation
Session 3. Point registration, 3D estimation and 3D segmentation	10:45-11:00	Non-rigid Point Set Registration with Global-Local Topology Preservation <i>Song Ge, Guoliang Fan, Meng Ding</i>
	11:00-11:15	3D Scene Estimation with Perturbation-Modulated Light and Distributed Sensors, <i>Quan Wang, Xinchu Zang, Kim Boyer</i>
	11:15-11:30	Edge-Weighted Centroid Voronoi Tessellation with Propagation of Consistency Constraint for 3D Grain Segmentation in Microscopic Superalloy Images, <i>Youjie Zhou, Lili Ju, Yu Cao, Jarrell Waggoner, Yuwei Lin, Jeff Simmons, Song Wang</i>
Session 4. Posters	11:30-12:30	Joint Shape And Texture Based X-Ray Cargo Image Classification <i>Jian Zhang, Qiang Li, Janping Gu</i>
		Use of Sparse Representation for Pedestrian Detection in Thermal Images <i>Bin Qi, Vijay John, Zheng Liu, Seiichi Mita</i>
		A Photon-Mapping Informed Chan-Vese Segmentation Algorithm to Enable Multispectral Sensing and Path-Planning in 3D Virtual Environments, <i>Bruce Johnson, Hairong Qi, Jason Isaacs</i>
		Superpixel Estimation for Hyperspectral Imagery <i>Pegah Massoudifar, Anand Rangarajan, Paul Gader</i>
		Automatic Target Recognition in Infrared Imagery Using Dense HOG Features and Relevance Grouping of Vocabulary, <i>Mohammed Nazuml Khan, Guoliang Fan, Douglas Heisterkamp, Liangjiang Yu</i>
		Ego-Motion Estimation on Range Images using High-Order Polynomial Expansion, <i>Brian Okorn and Josh Harguess</i>
		All oral presenters are invited to re-present their works by a poster presentation in the poster session.