

IEEE CVPR PBVS' 2015 Program

8:00-8:05	Welcome message
8:05-8:50	Spotlight presentations (3 min per presenter/poster)
8:50-9:15	Keynote Talk 1: 3D Assisted Common Operational Framework Dr. Guna Seetharaman / Prof. Palaniappan, Air Force Research Laboratory
9:15-10:00	Oral Session 1: Evaluation and database <u>Comparison of Infrared and Visible Imagery for Object Tracking: Toward Trackers with Superior IR Performance</u>, Erhan Gundogdu, Huseyin Ozkan, H. Seckin Demir, Hamza Ergezer, Erdem Akagündüz, S. Kubilay Pakin (ASELSAN Inc.) <u>VAIS: A Dataset for Recognizing Maritime Imagery in the Visible and Infrared Spectrums</u>, Mabel Zhang (University of Pennsylvania), Jean Choi (Gwangju Institute of Science and Technology), Kostas Daniilidis (University of Pennsylvania), Michael Wolf (Caltech/NASA Jet Propulsion Laboratory), Christopher Kanan (Caltech/JPL) <u>A Comparison of Stereo and Multi-view 3-D Reconstruction Using Cross-Sensor Satellite Imagery</u>, Ozge Can Ozcanli (Vision Systems Inc.), Yi Dong (Vision Systems Inc.), Joseph Mundy (Vision Systems Inc.), Helen Webb (BAE Systems), Riad Hammoud (BAE Systems), Victor Tom (BAE Systems)
10:00-10:15	Coffee break Poster setup
10:15-11:00	Poster session <u>Online Multimodal Video Registration Based on Shape Matching</u>, Pierre-Luc StCharles (École Polytechnique de Montréal), Guillaume-Alexandre Bilodeau (École Polytechnique de Montréal) Robert Bergevin (Université Laval) <u>Automated feature weighting and random pixel sampling in k-means clustering for Terahertz image segmentation</u>, Mohamed Walid Ayeche (University of Sherbrooke), Djemel Ziou (University of Sherbrooke) <u>A Model-Based Approach to Finding Tracks in SAR CCD Images</u>, Tu-Thach Quach, Rebecca Malinas, Mark Koch (Sandia National Laboratories) <u>Efficient Person Re-identification by Hybrid Spatiogram and Covariance Descriptor</u>, Mingyong Zeng (PLA University of Science and Technology), Zemin Wu (PLA University of Science and Technology), Chang Tian (PLA University of Science and Technology), Lei Zhang (PLA University of Science and Technology), and Lei Hu (PLA University of Science and Technology) <u>Articulated Gaussian Kernel Correlation for Human Pose Estimation</u>, Meng Ding and Guoliang Fan (Oklahoma State University) <u>Automation of Dormant Pruning in Specialty Crop Production: An Adaptive Framework for Automatic Reconstruction and Modeling of Apple Trees</u>, Noha Elfiky, Shayan Ali Akbar, Jianxin Sun, Johnny Park, Avinash Kak (Purdue University) <u>A Cloud Infrastructure for Target Detection and Tracking using Audio and Video Fusion</u>, Kui Liu (Intelligent Fusion Technology), Bingwei Liu (Binghamton University), Erik Blasch (AFRL), Dan Shen (Intelligent Fusion Technology), Zhonghai Wang (Intelligent Fusion Technology), Haibin Ling (Temple

	University), Genshe Chen (Intelligent Fusion Technology) 8. <u><i>Make My Day - High-Fidelity Color Denoising with Near-Infrared</i></u>, Hiroto Honda (Toshiba Corporation), Radu Timofte (ETH Zurich), Luc Van Gool (ETH Zurich) 9. <u><i>USDOT Number Localization and Recognition From Vehicle Side-View NIR Images</i></u>, Orhan Bulan, Safwan Wshah, Ramesh Palghat, Vladimir Kozitsky, Aaron Burry (Palo Alto Research Center) 10. <u><i>Robust Object Recognition in RGB-D Egocentric Videos based on Sparse Affine Hull Kernel</i></u>, Shaohua Wan, J.K. Aggarwal (University of Texas at Austin) 11. <u><i>Improving Superpixel Boundaries Using Information Beyond the Visual Spectrum</i></u>, Keith Sullivan (Exelis, Inc.), Wallace Lawson (Naval Research Laboratory), Donald Sofge (Naval Research Laboratory) 12. <u><i>A Simply Integrated Dual-sensor based Non-intrusive Iris Image Acquisition System</i></u>, Jang-Hee Yoo (ETRI), Byung Jun Kang (Hyundai Mobis) 13. <u><i>Heterogeneous Structure Fusion for Target Recognition in Infrared Imagery</i></u>, Guangfeng Lin (Xi'an University of Technology, China), Guoliang Fan (Oklahoma State University), Liangjiang Yu (Oklahoma State University), Xiaobing Kang (Xi'an University of Technology, China), Erhu Zhang (Xi'an University of Technology, China) 14. <u><i>Non-rigid Articulated Point Set Registration with Local Structure Preservation</i></u>, Song Ge and Guoliang Fan (Oklahoma State University) 15. <u><i>Sonar Automatic Target Recognition for Underwater UXO Remediation</i></u>, Jason Isaacs (Naval Surface Warfare Center) <i>*The five oral talks are invited to present their papers in the poster session as well</i>
11:00-11:25	Keynote Talk 2: Analyzing the Flight Behavior of Bats in Thermal Infrared Video Prof Margrit Betke, Boston University
11:25-11:55	Oral Session 2: Face recognition and object segmentation 1. <u><i>NIR-VIS Heterogeneous Face Recognition via Cross-Spectral Joint Dictionary Learning and Reconstruction</i></u>, Felix Juefei-Xu, Dipan Pal, Marios Savvides (Carnegie Mellon University) 2. <u><i>Road Segmentation using Multipass Single-Pol Synthetic Aperture Radar Imagery</i></u>, Mark Koch, Mary Moya, James Chow, Rebecca Malinas, Jeremy Goold (Sandia National Laboratories)
11:55-12:20	Keynote Talk 3: Towards a Unified Understanding of Image Quality: Quantifying Spatial, Temporal, and Spectral Information for Computer Vision Dr. John M. Irvine, Charles Stark Draper Laboratory
12:20-12:30	Concluding remarks