

IEEE Computer Society
Conference on
**Computer Vision and
Pattern Recognition**

Pocket Guide

CVPR

June 23-28, 2013

Portland, OR

Monday, June 24

0730–0830 Breakfast (Exhibit Hall B)

0730–1730 Registration (Pre-function A)

0730–1730 Computer Room (A102)

1200–1330 Lunch (Exhibit Hall B)

Perception Beyond the Visible Spectrum

Organizers: Riad I. Hammoud

Fatih Porikli

Behzad Kamgar-Parsi

Guoliang Fan

Firooz Sadjadi

Guna Seetharaman

Aly Farag

Location: A105

Schedule: Full Day

0830 Welcome Message

0840 **Keynote Talk:** Multi-frame Data Association with Higher-Order Cost Functions, *Robert T. Collins (The Pennsylvania State Univ.)*

0930 Tri-modal Person Re-identification with RGB, Depth and Thermal Features, *Andreas Møgelmoose, Chris Bahnsen, Thomas B. Moeslund, Albert Clapés, Sergio Escalera*

0950 Fast and Accurate Registration of Visible and Infrared Videos, *Socheat Sonn, Guillaume-Alexandre Bilodeau, Philippe Galinier*

1010 A Multi-Sensor Fusion Framework in 3-D, *Vishal Jain, Andrew Miller, Joseph Mundy*

1030 Morning Break

1050 Overhead-Based Image and Video Geo-Localization Framework, *Riad I. Hammoud, Scott Kuzdeba, Brian Berard, Victor Tom, Richard Ivey, Renu Bostwick, Jason HandUber, Lori Vinciguerra, Nathan Shidman, Byron Smiley*

1110 A Comparative Evaluation of Spectral Reflectance Representations for Spectrum Reconstruction, Interpolation and Classification, *Cong Phuoc Huynh, Antonio Robles-Kelly*

1130 A Fully Automatic Method to Extract the Heart Rate from Thermal Video, *Travis R. Gault, Aly A. Farag*

1200 Lunch (provided)

1330 One-Class Multiple-Look Fusion: A Comparison of Different Approaches with Examples from Infrared Video, *Mark Koch*

1350 The CASIA NIR-VIS 2.0 Face Database, *Stan Li, Dong Yi, Zhen Lei, Shengcai Liao*

1410 A Non-invasive Method for Measuring Blood Flow Rate in Superficial Veins from a Single Thermal Image, *Ali Mahmoud, Ahmed EL-Barkouky, Heba Farag, James Graham, Aly Farag*

1430 X-ray Testing by Computer Vision, *Domingo Mery*

1450 Automated X-ray Object Recognition Using an Efficient Search Algorithm in Multiple Views, *Domingo Mery, Vladimir Rizzo, Irene Zuccar, Christian Pieringer*

1510 Shadow Segmentation in SAS and SAR Using Bayesian Elastic Contours, *Darshan Bryner, Anuj Srivastava*

1530 Afternoon Break

1555 Audio-Visual Feature Fusion for Vehicles Classification in a Surveillance System, *Tao Wang, Zhigang Zhu, Riad Hammoud*

1615 Applications of Human Motion Tracking: Smart Lighting Control, *Sung Yong Chun, Chan-Su Lee*

1635 **Keynote Talk:** Visual Material Recognition, *Ko Nishino (Drexel Univ.)*

1715 Closing Remarks