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Intelligent Robots and Computer Vision
XXXII: Algorithms and Techniques

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Intelligent Robots and Computer Vision XXXIII: Algorithms and Techniques

Wednesday, February 17, 2016

Keynote: The 23rd Annual Intelligent Ground Vehicle Competition: Building Engineering Students into Robotists

Session Chairs: David Casasent, Carnegie Mellon University (USA) and Juha Roning, University of Oulu (Finland)

9:10 – 9:50 am

Golden Gate 8

ROBVIS-390

The 23rd Annual Intelligent Ground Vehicle Competition: Building engineering students into robotists, Bernard Theisen, US Army TARDEC (USA)

Robotic Vision: Motion Accommodation

Session Chairs: David Casasent, Carnegie Mellon University (USA) and Juha Roning, University of Oulu (Finland)

9:50 – 10:20 am

Golden Gate 8

9:50

ROBVIS-391

Modeling active vision during smooth pursuit of a robotic eye, Jacek Turski, University of Houston-Downtown (USA)

10:20 – 10:50 am Coffee Break

Feature Extraction and Recognition

Session Chairs: David Casasent, Carnegie Mellon University (USA) and Juha Roning, University of Oulu (Finland)

10:50 am – 12:20 pm

Golden Gate 8

10:50

Conference Welcome

10:55

ROBVIS-392

Multiple objects extraction from aerial imagery with Convolutional Neural Networks (JIST-first), Shunta Saito¹, Takayoshi Yamashita², and Yoshimitsu Aoki¹; ¹Keio University and ²Chubu University (Japan)

11:20

ROBVIS-393

Pixel based cost computation using weighted distance information for cross-scale stereo matching, YongJun Chang and Yo-Sung Ho, Gwangju Institute of Science and Technology (South Korea)

11:45

ROBVIS-394

Feature extraction using block-based Local Binary Pattern for face recognition, Abdelmalik Moujahid, Amaia Abanda, and Fadi Dornaika, University of the Basque Country UPV/EHU (Spain)

12:10

ROBVIS-395

Place recognition using image retrieval with covariance descriptors, Fadi Dornaika¹, Ammar Assoum², and Abdelmalik Moujahid¹; ¹University of the Basque Country (Spain) and ²Lebanese University (Lebanon)

12:20 – 2:00 pm Lunch Break

EI 2016 Wednesday Plenary and Symposium Awards

Session Chair: Choon-Woo Kim (Inha University)

2:00 – 3:00 PM

Continental Ballroom 5

Intel® RealSense Technology: Adding human-like sensing and interactions to computing devices, Achin Bhowmik, Intel Corporation (USA)

3:00 – 3:30 pm Coffee Break

Intelligent Robots and Computer Vision XXXIII: Algorithms and Techniques Interactive Papers Session

5:30 – 7:00 pm

Continental Ballroom 6

The Intelligent Robots and Computer Vision XXXIII interactive paper will be presented in the EI 2016 Symposium Interactive Papers Session.