

## **Demos**

### **Wednesday, June 22**

Rousseau Center & Foyer

D01 - The Automatic Linguistic Indexing of Pictures System, James Wang and Jia Li

D02- RGB-Z: Mapping a Sparse Depth Map to a High Resolution RGB Camera Image, Abbas Rafii, Chris Rossbach, and Peter Zhao

D03 - Driver State Monitor from DELPHI, N.Edenborough, R.Hammoud, A.Harbach, A.Ingold, B.Kisacanin, P.Malawey, T.Newman, G.Scharenbroch, S.Skiver, M.Smith, A.Wilhelm, G.Witt, E.Yoder, and H.Zhang

D04 - Tyzx High Frame Rate Stereo System, Gaile Gordon, and Ron Buck

D05 - High-Speed Face Detection and Recognition System, Yea-Shunag Huang, Yi-Tsung Chien, and Hung-Xin Zhao

D06 – Scalable object recognition and semi-autonomous object learning with an anthropomorphic robot head, Erik Murphy-Chutorian, Hyundo Kim, Huei-ju Chen, and Jochen Triesch

D07 – A camera-assisted digital notepad, Tanveer Syeda-Mahmood, and Thomas Zimmerman

### **Thursday, June 23**

Rousseau Center & Foyer

D08 - Herodion: A real-time, multi-camera, pixel-synchronized uncompressed video capture system, George Dramitinos, Constantin Papadas, Harlyn Baker, and Donald Tanguay

D09 - A Cellular Phone that Recognizes Your Face, Yoshihisa Ijiri, Miharuru Sakuragi, Shihong Lao, and Masato Kawade

D10 - Image-based Web Search on a Mobile Platform, Tom Yeh, Kristen Grauman, and Trevor Darrell

D11 - Sublinear Indexing for Near Real-time Object Recognition of Hundreds of Objects, Jiri Matas, and Stepan Obdrzalek

D12 - Tandem Facial Tracking in Thermal Infrared Video for Physiological Measurement, J. Dowdall, I. Pavlidis, and P. Tsiamyrtzis

D13 – Real-Time Deformable Object Detection and Shape Recovery, Julien Pilet Vincent Lepetit, and Pascal Fua

D14 - Depth Edges in Real Time using Multi-Flash Camera, Amit Agrawal, Vlad Branzoi, Rama Chellappa, Rogerio Feris, Ramesh Raskar, Karhan Tan, and Matthew Turk

D15 - SLAM for Real-Time Scene Modeling from a Hand-Held Camera, Andrew J. Davison

**Friday, June 24**

Rousseau Center & Foyer

D16 - Headprint - A Top-Down System Using Hair for Person Recognition, H. B. Aradhye, M. A. Fischler, R. C. Bolles, and G. K. Myers

D17 – AVITRACK: Aircraft surroundings, categorized vehicles and individuals tracking for apRon’s activity model interpretation and check, James Ferryman

D18 - Detecting, Tracking and Classifying Animals in Underwater Video Duane Edgington, Ishbel Kerkez, Danelle Cline, Dorothy Oliver, Marc’Aurelio Ranzato, and Pietro Perona

D19 - VISTA: Vectorized Image Segmentation via Trixel Agglomeration, Lakshman Prasad, and Alexei Skourikhine

D20 – Car License Plate, Make, and Model Recognition, Louka Dlagnekov, and Serge Belongie

D21 - Interleaved Object Categorization and Segmentation, Bastian Leibe, and Bernt Schiele

D22 - Self Localizing Smart Camera Networks, Camillo J. Taylor, and Ryan Cekander