Wednesday, December 9

1300–2100 Registration (Ballroom Lobby)

1510–1520 Welcome & Introductory Remarks (Ballroom 1)

1520–1635 Session 1 – Tracking (Ballroom 1)

1. Monocular Human Pose Tracking using Multi Frame Part Dynamics, *Vivek Kumar Singh and Ramakant Nevatia*
2. Automatic Tracking of Swimming Microorganisms in 4D Digital In-line Holography Data, *Laura Leal Taixé, Matthias Heydt, Axel Rosenhahn, and Bodo Rosenhahn*
3. Tracking-Reconstruction or Reconstruction-Tracking? Comparison of Two Multiple Hypothesis Tracking Approaches to Interpret 3D Object Motion from Several Camera Views, *Zheng Wu, Nickolay I. Hristov, Thomas H. Kunz, and Margrit Betke*
4.

1635–1800 Dinner (Golden Cliff & Eagle's Nest)

1635–1800 Poster Session (Magpie Room & Ballroom 2)

1. Non-linear Parametric Bayesian Regression for Robust Background Subtraction, *Federico Tombari, Alessandro Lanza, Luigi Di Stefano, and Stefano Mattoccia*
2. Simultaneous In-Plane Motion Estimation and Point Matching Using Geometric Cues Only, *Pierre Fite Georgel, Adrien Bartoli, and Nassir Navab*
3. Activity Recognition by Integrating the Physics of Motion with a Neuromorphic Model of Perception, *Ricky J. Sethi, Amit K. Roy-Chowdhury, and Saad Ali*
4. A Color Neuromorphic Approach for Motion Estimation, *Xuefeng Liang, Peter W. McOwan, and Alan Johnston*
5. Fast Superpixels for Video Analysis, *Fabio Drucker and John MacCormick*
6. Query-based Retrieval of Complex Activities using "Strings of Motion-Words", *Utkarsh Gaur, Bi Song, and Amit K. Roy-Chowdhury*
7. Improvements in Video-Based Automated System for Iris Recognition (VASIR), *Yooyoung Lee, Ross J. Micheals, and P. Jonathon Phillips*
8. View Independent Recognition of Human-Vehicle Interactions using 3-D Models, *Jong Taek Lee, M. S. Ryoo, and J.K. Aggarwal*
9. GPU-Accelerated Hierarchical Dense Correspondence for Real-Time Aerial Video Processing, *Stephen Cluff, Bryan S. Morse, Mark Duchaineau, and Jonathan D. Cohen*

1800–1940 Session 2 – Keynote & Applications (Ballroom 1)

1. **Keynote Talk:** Andrew Fitzgibbon *(Microsoft Research, Cambridge)*
2. Functional Scene Element Recognition for Video Scene Analysis, *Eran Swears and Anthony Hoogs*
3. Action Recognition based on Human Movement Characteristics, *Radu Dondera, David Doermann, and Larry Davis*

1940–2000 Coffee Break (Ballroom Lobby)

2000–2140 Session 3 – Action Recognition, Segmentation, & Saliency (Ballroom 1)

1. Graphical Framework for Action Recognition using Temporally Dense STIPs, *Pradeep Natarajan, Prithviraj Banerjee, Furqan M. Khan, and Ramakant Nevatia*
2. Recognizing Human Action from a Far Field of View, *Chia-Chih Chen and J.K. Aggarwal*
3. Motion Segmentation using the Hadamard Product and Spectral Clustering, *Jae-Hak Kim and Lourdes Agapito*
4. Learning Attention Based Saliency in Videos from Human Eye Movements, *Sunaad Nataraju, Vineeth Balasubramanian, and Sethuraman Panchanathan*

2140–2145 Closing Remarks (Ballroom 1)