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 Heylī, 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 Tombart, 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. Michaels, and P. Jonathon Phillips
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, Furgaň 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, Sumanad Nataraju, Vineeth Balasubramanian, and Sethuraman Panchanathan

2140–2145  Closing Remarks (Ballroom 1)