

2013 IEEE International Workshop on Performance Evaluation of Tracking and Surveillance

(PETS 2013)

**Clearwater Beach, Florida, USA
15 – 17 January 2013**



**IEEE Catalog Number: CFP1399H-PRT
ISBN: 978-1-4673-5649-7**

PETS Table of Contents

- Learning crowd behavior for event recognition** 1
Eduardo Carmeño, Silvana Mallor, Juan Sigüenza
- A motion-enhanced Hybrid Probability Hypothesis Density filter for real-time Multi-Human Tracking in video surveillance scenarios** 6
Volker Eiselein, Tobias Senst, Ivo Keller, Thomas Sikora
- Parameter Estimation and Contextual Adaptation for a Multi-Object Tracking CRF Model** 14
Alexandre Heili, Jean-Marc Odobez
- Unified Hierarchical Multi-Object Tracking using Global Data Association** 22
Martin Hofmann, Michael Haag, Gerhard Rigoll
- Real-time tracking of single people and groups simultaneously by contextual graph-based reasoning dealing complex occlusions** 29
Pasquale Foggia, Gennaro Percannella, Alessia Saggese, Mario Vento
- Improved Meanshift for Multi-Target Tracking** 37
Gargi Phadke, Rajbabu Velmurugan
- Histograms of Optical Flow Orientation for Abnormal Events Detection** 45
Tian Wang, Hichem Snoussi
- Performance Evaluation of an Improved Relational Feature Model for Pedestrian Detection** 53
Andreas Zweng, Martin Kampel