2nd IEEE International Workshop on Tracking Humans for the Evaluation of their Motion in Image Sequences (THEMIS2009)

Organizers: Jordi Gonzàlez, Thomas B. Moeslund, Liang Wang
Date: Saturday, October 3, 2009, 9:30-17:45

S2: Poster Fast Forward
3D Body-part Tracking of Two Persons Using a Hierarchical Body Model
Leonid Raskin, Michael Rudzsky, Ehud Rivlin
User-centric Speaker Report: Ranking-based Effectiveness Evaluation and Feedback
Tianshi Gao, Chen Wu, Hamid Aghajan
A Regression-based Approach to Recover Human Pose from Voxel Data
Laetitia Gond, Patrick Sayd, Thierry Chateau, Michel Dhome
Tracking of Humans and Estimation of Body/Head Orientation from Top-view Single Camera for Visual Focus of Attention Analysis
Ovgu Ozturk, Toshihiko Yamasaki, Kiyoharu Aizawa
A Framework for Human Tracking Using Kalman Filter and Fast Mean Shift Algorithms
A. Ali, K. Terada

S3: Oral Session I: Motion tracking
Modeling the Product Manifold of Posture and Motion
Ankur Datta, Yaser Sheikh, Takeo Kanade
3D Model-based Marker-less Human Motion Tracking in Cluttered Environment
Andre Gagalowicz, Chee Kwang Quah

S4: Oral Session II: Pose estimation
Monocular 3D Human Pose Estimation Using Sparse Motion Features
Ben Daubney, David Gibson, Neill Campbell
Multiple Views Gait Recognition Using View Transformation Model Based on Optimized Gait Energy Image
Worapan Kusakunniran, Qiang Wu, Hongdong Li, Jian Zhang
Summarised Hierarchical Markov Models for Speed-invariant Action Matching
J. Kilner, J-Y. Guillemaut, A. Hilton

S5: Oral Session III: Event understanding
Continuous Recognition of Motion Based Gestures in Sign Language
Daniel Kelly, John Mc Donald, Charles Markham
Trajectory Based Primitive Events for Learning and Recognizing Activity
Guido Pusiol, Francois Bremond, Monique Thonnat
The TUM Kitchen Data Set of Everyday Manipulation Activities for Motion Tracking and Action Recognition
Moritz Tenorth, Jan Bandouch, Michael Beetz