



Intelligent Algorithms for the Smart Monitoring of Complex Environments

A special track of the International Symposium on Visual Computing 2007 (ISVC2007), <http://www.isvc.net>

Video surveillance and safety applications call for advanced computer vision methods to robustly track people and objects in highly complex scenes. We encourage submissions that put forward intelligent algorithms for the automatic understanding of complex environments, very crowded and cluttered. In particular, we are very much interested in methods which combine computer vision and machine learning methodologies.

Topics of interest include, but not limited to, the following areas.

1. Object detection, tracking and recognition
 - (a) Multi-camera tracking
 - (b) Posture, gesture and interaction analysis
 - (c) Appearance model for tracking
2. Intelligent environment
 - (a) Extreme tracking
 - (b) Crowd analysis
 - (c) Machine learning for video understanding
3. Surveillance applications
 - (a) Surveillance data management
 - (b) Surveillance from PTZ camera
 - (c) Methods for multi-camera automatic storyboards

Important Dates

Paper submission: 23rd July 2007

Decision: 24th August 2007

Final submission: 7th September 2007

Organizers

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