

Special Session on Intelligent Visual Surveillance Systems (IVSS'2010)

Under the framework of the 10th International Conference on Intelligent
Design and Applications, ISDA'10
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Conference web page: <http://cig.iet.unipi.it/isda2010/>

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Introduction: CCTV cameras are worldwide operationally deployed collecting enormous volume of video data. Despite this, the impact on anti-social and criminal behavior has been minimal. Although most incidents are captured on video, there is no response because very little of the data is actively analyzed in real-time. For this technology to be effective, CCTV has to become active by alerting security analysts in real-time so that they can stop or prevent the undesirable behavior. Clearly, human analysis is not a cost-effective option. A potential solution is the intelligent visual surveillance systems developed as a multidisciplinary research area between computer vision, pattern recognition and artificial intelligence experts.

The increasing need for intelligent visual surveillance in commercial, law enforcement and military applications makes automated visual surveillance systems one of the main current application domains in several research communities specially computer vision, pattern recognition and artificial intelligence areas. The aim of this session is to gather researchers active in those areas to discuss the state-of-the-art in the development of intelligent visual surveillance systems. Papers should describe high-quality original research that joins the aforementioned research areas. Topics of interest include (but not limited to):

- Moving object detection, recognition, and tracking,
- Behavioral analysis and retrieval
- Visual surveillance system distribution, communication and design
- Intelligent visual surveillance system applications
- Multi-person/group/crowd tracking and interaction/activity analysis
- Spatial and temporal reasoning
- Sensory integration and data fusion
- Situation awareness and understanding

Instructions for Authors:

Papers must correspond to the requirements detailed in the (Paper Submission) on the conference flyer <http://cig.iet.unipi.it/isda2010/flyer.pdf> and All accepted papers will be published in the proceedings of ISDA'10 that will be also included in the IEEEExplore digital library. Extended versions of selected papers will be considered for publication

Registration Fees:

All papers must be presented by one of the authors, who must pay the registration fees.
<http://cig.iet.unipi.it/isda2010/>

Paper Reviewing and Publication

Submitted papers will be reviewed. Accepted papers, which should not exceed 6 pages (PDF) following the double column IEEE format. All accepted papers will be published in the proceedings of the ISDA'10. Selected papers will be published in special issues of a selection of International Journals (to be announced).

Tentative Dates of Submission and Acceptance

- Deadline for paper submission June 26, 2010
- Notification of acceptance August 14, 2010
- Camera-ready manuscript submission September 15, 2010