

Special Session: Call for Papers



Intelligent Environments: algorithms and applications

Associated with ISVC 2006: <http://www.isvc.net/>

This special session combines the success of two special sessions of ISVC2005 on visual surveillance and ambient intelligence under the same umbrella of intelligent environments. Intelligent environments could be deployed in numerous applications including outdoor spaces such as concourses, shopping malls, parking spaces, stations and airports, and indoor spaces such as nursing homes, private properties, kindergartens, schools, prisons and more. This special session welcomes any paper that falls within the remit of the analysis of visual information as independent source of information and visual information in combination with other sensorial information (audio, RFID etc). We encourage paper submissions in the following areas:

Session 1 (Visual surveillance)	Session 2 (Ambient intelligence)
<ul style="list-style-type: none">• Background and environment modelling• Multi-targets tracking, context-based target description• Machine learning methods for scene understanding• Complex behaviour analysis and recognition• Activity analysis and abnormality detection in crowded scene• Visual surveillance approach towards soft biometric identification• Scenes/events annotation, summarization and classification for efficient archiving and retrieval of surveillance recordings	<ul style="list-style-type: none">• Multimodal information analysis, fusion and visualisation• Multi-camera analysis of complex scenes, in particular with heterogeneous cameras (fixed, mobile and panoramic)• Innovative hand-over for video monitoring of very large areas• Applications, prototypes and fielded solutions• HCI and HRI for Ambient Intelligence applications• Performance evaluation of ambient intelligence

Submission details

All papers for the special session must be submitted in electronic format following the guidelines at URL: <http://www.isvc.net/>. The best papers will be selected for inclusion in a special issue of the International Journal of Knowledge-Based & Intelligent Engineering Systems (<http://www.kesinternational.org/journal/>). For any query please contact { p.remagnino@kingston.ac.uk, hleng@i2r.a-star.edu.sg, wyyau@i2r.a-star.edu.sg, guoliang.fan@okstate.edu, yunqian.ma@honeywell.com, Monique.thonnat@sophia.inria.fr }

Important dates

Submission of papers: June 19, 2006
Notification of acceptance: July 31, 2006
Final papers to be received by: August 14, 2006

Session Chairs

Dr. Paolo Remagnino, Digital Imaging Research Centre, Kingston University
Dr. How-Lung Eng and Dr. Wei-Yun Yau, Institute for Infocomm Research, Singapore
Dr. Guoliang Fan, Oklahoma State University, USA
Dr. Yunqian Ma (*contact person*), Honeywell Labs, USA
Dr. Monique Thonnat, INRIA Sophia Antipolis, France