# Intelligent Environments: algorithms and applications

## A Special Track of the

## 8th International Symposium on Visual Computing (ISVC'12)

### http://www.isvc.net

### July 16-18, 2012, Crete, Greece

## Scope:

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).

## Topics:

The topics of interest include but are not limited to the following areas:

| Session 1 (Visual surveillance) | Session 2 (Ambient intelligence) |
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| • Background and environment modelling<br>• Multi-targets tracking, context-based target description<br>• Machine learning methods for scene understanding<br>• Complex behaviour analysis and recognition<br>• Activity analysis and abnormality detection in crowded scene<br>• Visual surveillance approach towards soft biometric identification<br>• Scenes/events annotation, summarization and classification for efficient archiving and retrieval of surveillance recordings | • Multimodal information analysis, fusion and visualisation<br>• Multi-camera analysis of complex scenes, in particular with heterogeneous cameras (fixed, mobile and panoramic)<br>• Innovative hand-over for video monitoring of very large areas<br>• Applications, prototypes and fielded solutions<br>• HCI and HRI for Ambient Intelligence applications<br>• Performance evaluation of ambient intelligence |

## Paper Submission Procedure:

Papers submitted to ISVC 2012 Special Track must not have been previously published and must not be currently under consideration for publication elsewhere. Manuscripts should be submitted in camera-ready format and should not exceed **12 pages**, including figures and tables (see http://www.isvc.net for details). All papers accepted will appear in the symposium proceedings which will be published by **Springer-Verlag** in the **Lecture Notes in Computer Science (LNCS)** series.

## Important Dates:

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| **Paper submissions** | May 7, 2012 (Extended) |
| **Notification of acceptance** | June 4, 2012 |
| **Final camera ready paper** | June 18, 2012 |
| **Advance Registration** | June 18, 2012 |
| **ISVC'12 Symposium** | July 16-18, 2012 |

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