

# **1st International Symposium on Intelligent Interactive Multimedia Systems and Services**

<http://iimss-08.kesinternational.org/index.php>

## **Invited session *Fast methods for intelligent image recognition***

To design and implement flexible and intelligent machine vision and interactive multimedia systems, a capability of performing the demanding tasks of image processing and pattern recognition becomes of crucial importance. How can we define “intelligent” image recognition? It consists of the processing algorithms that incorporate a considerable level of adaptability and ability of learning and inference. Intelligence can also be introduced by users in the repeated interaction with different image processing methods in attempts to tease out the structures, understand the meaning behind them, and assist the machine learning process.

In this sense, a variety of intelligent image recognition approaches has been proposed, mostly based on statistically gathered information. Their primary focus is accuracy, reliability, and robustness, whereas the computational complexity is not always put forward. Slow responsiveness can hinder a proper human-machine interaction significantly, in particular when (near) real-time applications are considered. And there is a lot of such cases, as for example in medical environments, in entertainment, in tutoring systems, in web services, etc. All these urge the need for fast processing methods.

This session entitled *Fast methods for intelligent image recognition* strives to encourage contributions complying with any interpretation of the intelligence in different fields of image recognition. The emphasis is on faster solutions, such as the optimised machine learning or inference, which can lead to a satisfactory interaction between the system and its users.

## **Important Dates**

### **Invited session *Fast methods for intelligent image recognition***

- Submission of papers: Monday 4 February 2008
- Notification of acceptance: Friday 29 February 2008
- Publication files for final papers to be uploaded onto PROSE by: Friday 21 March 2008
- Authors / Early registration: Monday 3 March 2008
- Symposium: Wednesday 9 - Friday 11 July 2008

## **Paper Submission**

Papers for IIMSS-08, Invited Session *Fast methods for intelligent image recognition*, should be prepared following the instructions available on the [Paper Submission](#) page of this web site.

Papers must be submitted electronically in PDF format using the PROSE Publication Review and Organisation System available from the main menu. Email submissions are not acceptable. When papers are submitted via PROSE the author is required to select the **Invited Session IS07: *Fast methods for intelligent image recognition***.