

Call for Papers

Signal Processing: Image Communication

Special issue on

“Semantic Analysis for Interactive Multimedia Services”

Introduction

The demand for efficient methods for extracting knowledge from multimedia content has led to a growing research community and a number of European, national and industrial projects in this area. Technologies for retrieving semantic information from multimedia content potential enable new applications and services for both commercial and personal end users. The aim of this special issue is to provide an overview of current research in the area of semantic analysis for multimedia applications including both theory and application oriented papers.

Topics

Topics of interest include, but are not limited to:

- Multimedia content analysis and understanding
- Content-based browsing, indexing and retrieval of images, video and audio
- Analysis for coding efficiency and increased error resilience
- Analysis and understanding tools for personalization and content adaptation
- Analysis and social content applications
- Content summarization and personalization strategies
- Semantic mapping and ontologies
- Identification and tracking of semantic regions in scenes
- Multimedia analysis for advanced applications

Important Dates

Submission of papers: 1 October 2007

Submission of final accepted papers: 14 March 2008

Publication of special issue: May 2008

Submissions

All the papers should be full journal length versions and follow the guidelines set out by Signal Processing: Image Communication (http://www.elsevier.com/wps/find/journaldescription.cws_home/505651/authorinstructions). Submissions should be sent by email to Yiannis Kompatsiaris (ikom@iti.gr) no later than October 1, 2007.

Guest Editors

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