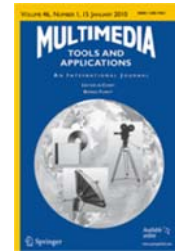


# Special Issue of Multimedia Tools and Applications



## “Advanced Semantic and Social Multimedia Technologies for Future Computing Environment”

### Introduction

During the last decades, many researchers in multimedia community have been focused on developing multimedia content analysis and processing by using low-level information. However, despite their extensive efforts on these, there are still several key difficulties such as semantic gap and user gap in multimedia analysis/processing and annotation/tagging, respectively. The explosive growth of social networking services on the internet, social multimedia can be an additional *context* which provides to understand and reason about multimedia content. The purpose of this special issue is to provide an overview of emerging research challenges in semantic and social multimedia technologies and to help reducing the semantic and user gap between low-level content descriptions of multimedia and the semantics in high-level human interpretations of multimedia data.

This special issue invites high quality contributions addressing related theoretical and practical aspects of semantic and social multimedia. Authors of selected outstanding papers from the 6th International Conference on Future Information Technology (FutureTech 2011: Track 6. Multimedia Convergence) and the FTRA 2<sup>nd</sup> International Workshop on Multimedia and Semantic Technologies (MUST 2011), June, 2011, Crete, Greece will be invited to submit extended versions of their papers for this special issue.

### Topics

Topics of interest include, but are not limited to:

- Advanced Semantic and Content-based Multimedia Analysis in FCE (Future Computing Environments)
- Advanced Semantic Descriptors and Similarity Metrics for Multimedia in Future Computing Environments
- Affective/Emotional Interaction or Interfaces for Multimedia Applications in FCE
- Applications of Semantic Multimedia in Social and Web-based Environments
- Collective and Swarm Intelligence for Multimedia Applications in FCE
- Intelligent Multimedia Services for FCE
- Interfaces for Web-scale Multimedia Repositories in FCE
- Machine Learning and Relevance Feedback in Multimedia Analysis and Retrieval for FCE
- Multimedia and Digital Convergence in FCE
- Multimedia Security in FCE
- Ontology Engineering and Ontology-based Multimedia Mining and Retrieval for FCE
- Semantic-driven Multimedia Indexing and Retrieval in FCE
- Semantic-driven Multimedia Personalization and Adaptation for FCE

### Submission Details

All the papers should be full journal length versions and follow the guidelines set out by Multimedia Tools and Applications (<http://www.springer.com/computer/information+systems/journal/11042>). Manuscripts should be submitted online at <http://mtap.editorialmanager.com> choosing “Semantic & Social Multimedia” as article type, no later than July 31, 2011. Information about the manuscript (title, full list of authors, corresponding author’s contact, abstract, and keywords) should also be sent to the corresponding editor Dr. Seungmin Rho ([pc.seungminrho@gmail.com](mailto:pc.seungminrho@gmail.com)). All the papers will be peer-reviewed following the MTAP reviewing procedures.

### Important Dates (Tentative)

Submission of papers: November 30, 2011  
First-round acceptance notification: February 28, 2012  
Revision: April 15, 2012

Final decision: April 30, 2012  
Publication of special issue: 3Q/4Q in 2012

### Guest Editors

Seungmin Rho (Corresponding Editor) Korea University, Korea  
Damien Sauveron University of Limoges, France  
Konstantinos Markantonakis, Royal Holloway University of London, UK

[pc.seungminrho@gmail.com](mailto:pc.seungminrho@gmail.com)  
[damien.sauveron@unilim.fr](mailto:damien.sauveron@unilim.fr)  
[K.Markantonakis@rhul.ac.uk](mailto:K.Markantonakis@rhul.ac.uk)