



## Call for Papers

### Special Issue on “Semantic Media Adaptation & Personalization”

The objective of this Special Issue is to collect and report on recent high quality research that addresses the problem of managing and adapting hyper/multi-media content according to its underlying semantics. As text-based search engines give way to intelligent, collective content and context-aware engines, which not only personalize searching and delivery but also the actual content format, advanced network infrastructures are emerging. The latter are capable of end-to-end ubiquitous transmission of media content to any device, fixed or mobile, on any network, wired or wireless, at any time. This has enabled propagation of semantic media, adaptation and personalization aspects throughout the entire media analysis value chain.

Research in this area is important to combine the fields of semantics and knowledge engineering with the content and navigation adaptation, mainly because of the overwhelming amount of information available as hypertext and multimedia for the purpose of entertainment, security, education, cultural or technical documentation. The very limited understanding of the semantics of such data sources and, hence, the limited ways in which they can be personalized and adapted to their end-users constitutes the need for the development of efficient adaptation techniques and methodologies.

This Special Issue is addressed to those members of the community interested in extending their content analysis, indexing, retrieval, and delivery methods by leveraging adaptation and personalization technologies. The benefit is to explore how these technologies can be used to efficiently increase the level of semantics extraction from the content, e.g. by using social networks, folksonomies, ontologies and reasoning to assist personalization and adaptation. High quality contributions addressing related theoretical and practical aspects are expected.

Topics of interest include, but are not limited to the following semantic media adaptation & personalization aspects:

- Knowledge Acquisition and Management
- Knowledge Models, Ontologies and Reasoning
- Semantic Context Modelling and Extraction
- Semantic Content Creation and Modelling
- Content Adaptation, Management & Delivery
- Adaptive Content Information Retrieval & Filtering
- Personalized and Adaptive E-Learning
- Personal & Ubiquitous Application Development
- Adaptive & Personalized Content Summaries
- Adaptation & Personalization in TV Environments
- Adaptive Navigation
- Network and Device Adaptation

### Submission Procedure

Submissions to this special issue should follow the journal's guidelines for submission (<http://www.idea-group.com/journals/details.asp?ID=4625&v=guidelines>). After submitting a paper, please also inform guest editors by email to [ijswis-smap@image.ntua.gr](mailto:ijswis-smap@image.ntua.gr) about the specific paper ID assigned by the submission system. If a submission is based on a prior publication in a workshop or conference, the journal submission must involve substantial advance (a minimum of 50%) in conceptual terms as well as in exposition (e.g., more comprehensive testing/evaluation/validation or additional applications/usage).

### Important Dates

**Deadline for manuscript submission:**

**July 15, 2009**

Notification to authors:

October 31, 2009

Final accepted manuscript due:

November 30, 2009

Estimated publication date:

February 15, 2010



### Guest Editors

**Phivos Mylonas**

National Technical  
University of Athens,  
Greece

[fmylonas@image.ntua.gr](mailto:fmylonas@image.ntua.gr)

**Maria Bielikova**

Slovak University of  
Technology,  
Slovakia

[bielik@fiit.stuba.sk](mailto:bielik@fiit.stuba.sk)

**Yannis Kompatsiaris**

Centre for Research and  
Technology Hellas,  
Greece

[ikom@iti.gr](mailto:ikom@iti.gr)

**Raphaël Troncy**

Centre for Mathematics  
and Computer Science,  
The Netherlands

[raphael.troncy@cwi.nl](mailto:raphael.troncy@cwi.nl)