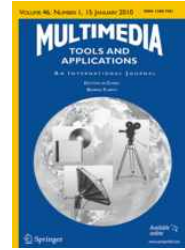


Special Issue of Multimedia Tools and Applications

“Advanced Issues on Knowledge Management Technologies for Semantic Multimedia Services in Ubiquitous and Pervasive Environment”



Introduction

In ubiquitous or pervasive computing environment, the residents want their services to be smart. In order to be a smart service, it needs to be understood the semantics and context of the situation where the service works. For service's understanding, the knowledge about the service's domain needs to be properly managed. However, the well managed knowledge has different meaning according to the domain, the way of representation and reasoning, the size, and the way of using the knowledge. This indicates the importance of selecting the right knowledge in right domain. This special issue invites high quality contributions addressing for knowledge management technologies adopted by semantic multimedia services in ubiquitous and pervasive environment.

Topics

Topics of interest include, but are not limited to:

- Adaptive and Context-aware computing for Semantic Multimedia Services (SMS)
- Advanced Semantic and Content-based Multimedia Analysis for SMS
- Advanced Semantic Descriptors and Similarity Metrics for SMS
- Applications of Semantic Multimedia in Social and Web-based Environments
- Advanced searching of services and other resources for SMS
- Negotiation of Semantic Web services and resources for SMS
- Interleaving of discovery, composition, and negotiation of Semantic Web services for SMS
- Theories and Concepts for Knowledge Management for SMS
- Knowledge Relationship Discovery and Statistical Relational Learning for SMS
- Collaborative knowledge construction and modeling for SMS
- Innovative Approaches to Knowledge Management for SMS
- Mobile Multimedia system and services
- Semantic Web and Grid Services

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 Knowledge Mgmt” as article type, no later than July 31, 2012. Information about the manuscript (title, full list of authors, corresponding author's contact, abstract, and keywords) should also be sent to the corresponding editor Prof. Changhoon Lee (changhoonlee08@gmail.com). All the papers will be peer-reviewed following the MTAP reviewing procedures.

Important Dates (Tentative)

Submission of papers: July 31, 2012

First-round acceptance notification: October 31, 2012

Revision: December 15, 2012

Final decision: December 31, 2012

Publication of special issue: 3Q/4Q in 2013

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