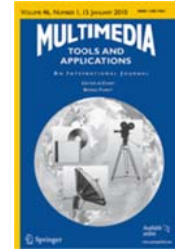


Special Issue of Multimedia Tools and Applications

“Advances in Multimedia and Ubiquitous Technologies for the New Era”



Introduction

Recent advances in pervasive computers, networks, telecommunication, and information technology, along with the proliferation of multimedia-capable mobile devices, such as laptops, portable media players, personal digital assistants, and cellular telephones, have stimulated the development of intelligent and pervasive multimedia applications in a ubiquitous environment. The new multimedia standards (for example, MPEG-21) facilitate the seamless integration of multiple modalities into interoperable multimedia frameworks, transforming the way people work and interact with multimedia data. These key technologies and multimedia solutions interact and collaborate with each other in increasingly effective ways, contributing to the multimedia revolution and having a significant impact across a wide spectrum of consumer, business, healthcare, education, and governmental domains. This conference provides an opportunity for academic and industry professionals to discuss recent progress in the area of multimedia and ubiquitous environment including models and systems, new directions, novel applications associated with the utilization and acceptance of ubiquitous computing devices and systems.

This special issue invites high quality contributions addressing related theoretical and practical aspects of multimedia and ubiquitous. Authors of selected outstanding papers from the 5th International Conference on Multimedia and Ubiquitous Engineering (MUE-11), June 28-30, 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:

- Context-Aware Ubiquitous Computing
- Parallel/Distributed/Grid Computing
- Semantic Web and Knowledge Grid
- Smart Home Network Middleware
- Ubiquitous Sensor Networks / RFID
- Ubiquitous Database Methodologies and Data Mining
- AI and Soft Computing in Multimedia
- Virtual Reality and Game Technology
- Multimedia Information Retrieval (audio, image, video, etc.)
- Multimedia in Telemedicine
- Multimedia Indexing and Compression
- Multimedia Embedded Systems
- Multimedia and Ubiquitous Security
- Other IT and Multimedia Applications

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 “MUE2011” 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 Prof. Sang Soo Yeo (ssyeo.mue11@gmail.com). All the papers will be peer-reviewed following the MTAP reviewing procedures.

Important Dates (Tentative)

Submission of papers: July 31, 2011
First-round acceptance notification: October 15, 2011
Revision: November 30, 2011
Final decision: December 31, 2011
Publication of special issue: 2Q/3Q in 2012

Guest Editors

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