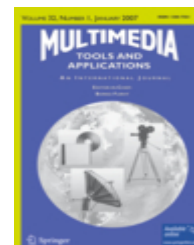


Multimedia Tools and Applications Journal

Call for Papers

Special issue on: Multimedia Computing and Its Embedded Systems



Having the development of low-cost imaging sensors, CMOS cameras and sensitive microphones, Multimedia Computing and Embedded Systems (MCES) have been proposed and have drawn substantial attention from the research community. MCES is currently a topic of extensive research that includes multimedia computing, applications and services, embedded computing, and related fields. Multimedia computing has the potential to enable a large class of applications ranging from delivering elderly multimedia content (such as audio, image, and video) to multimedia security issues, multimedia modeling and processing, multimedia surveillance networks, and multimedia embedded system. This Special Issue solicits original research papers addressing research challenges in all areas of multimedia computing, embedded systems as well as their applications and services. Topics of interest include, but are not limited to:

Multimedia Computing

- Ubiquitous multimedia services and applications
- Pervasive and interactive multimedia systems
- Multimedia systems, architecture, and applications
- Multimedia networking and QoS
- P2P multimedia systems and streaming
- Multimedia Security issues
- Multimedia file systems, databases, and retrieval
- Multimedia modeling and processing

- Secure embedded system / software design
- Reconfigurable Computing Systems and Applications
- Verification and testing techniques for embedded computing
- System-level power/energy management
- Hardware/Software Co-design and Design Automation
- Application-Specific Processors and Devices
- Sensor Networks
- Power-Aware Computing

Embedded Computing

- Embedded system architectures
- Hardware/Software optimization techniques
- Real-Time systems and operating systems
- Real-Time systems and operating systems
- Wireless Sensor Networks and RFID
- System/Network-on-Chip
- Trustworthy computing in embedded computing

MCES Applications and Services

- Mobile multimedia systems and services
- Communications and networks for MCES
- Context-awareness for MCES
- Human communication interaction for MCES
- Business model for MCES
- Emerging standards and technologies for MCES
- Case studies

Submission Details:

Original, high quality contributions that are not yet published or that are not currently under review by other journals or peer-reviewed conferences are sought. Manuscripts should be submitted online at <http://mtap.edmgr.com/>. Please mention the special issue title in the covering letter and in the appropriate fields of the online form which requests this information. Until this is done, the paper will not be accepted for this Special Issue. General information and instructions for authors can be found at <http://www.springer.com/computer/information+systems/journal/11042>. Contributing authors might also be asked to review some of the papers submitted to this special issue.

Important Dates:

Manuscript Due: January 31, 2010.

Acceptance Notification: April 30, 2010.

Camera-Ready Final Manuscript Due: June 30, 2010.

Publication Date: End of 2010 (tentative).

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