Special Issue Proposal / Call for Papers

ACM Transactions on Embedded Computing Systems (TECS)
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Special Issue on "Embedded Systems for Interactive Multimedia Services (ES-IMS)"

Interactive multimedia services make it possible to access various multimedia contents everywhere at any time. Many experts foresee that people and consumers will make extensive use of interactive multimedia computing and communication, which is a post-desktop model of human-computer interaction. In this model, information process is thoroughly integrated into everyday objects, things, activities and infrastructures. Given the backdrop that the interactive multimedia technology has become more and more essential, the design and analysis of Embedded Systems for Interactive Multimedia Services (ES-IMS) have drawn substantial attention from the research community. This special issue aims to foster the dissemination of high quality research in any new design or analysis of ES-IMS . The objective of this special issue is to showcase the most recent developments and research in the ES-IMS field, as well as to enhance its state-of-the-art. This special issue solicits original, high quality papers addressing research challenges in all areas of ES-IMS as well as its applications.

Topics of interest include but are not limited to:

- Embedded system and software architectures for IMS
- Real-time systems and operating systems for IMS
- Systems/network-on-chip for IMS
- Wireless sensor networks and RFID for IMS
- Embedded system applications for IMS
- Communications and networks suitable for ES-IMS
- Human communication interaction for ES-IMS

Full papers, describing original, previously unpublished research work, experimental efforts and practical experiences are solicited. Each submitted paper must include title, names, authors' affiliations, postal and e-mail addresses, an abstract, and a list of keywords. For multiple author submission, please identify the corresponding author. The papers should be submitted via the Manuscript Central website (http://mc.manuscriptcentral.com/tecs) and should adhere to standard ACM TECS formatting requirements (http://acmtecs.acm.org/gtsi.htm). The page count limit is 25.

Timetable:

Submission Deadline: September 30, 2010
Review Results: December 30, 2010
Final Copy Deadline: February, 30, 2011
Tentative Publication: Summer or Fall 2011

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