

COMPUTING AND INFORMATICS
SPECIAL ISSUE ON
*Interactive Multimedia & Intelligent Services
in Mobile and Ubiquitous Computing*

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Overview

With the proliferation of wireless technologies and electronic devices, there is a fast growing interest in Mobile and Ubiquitous Computing (MUC). MUC enables to create a human-oriented computing environment where computer chips are embedded in everyday objects and interact with physical world. Through MUC, people can get online even while moving around, thus having almost permanent access to their preferred services. With a great potential to revolutionize our lives, MUC also poses new research challenges. This special issue will focus on the challenges and solutions for MUC with an emphasis on interactive multimedia and intelligent services. The special issue will provide an opportunity for academic and industry professionals to discuss the latest issues and progress in the area of MUC. The special issue will publish high quality papers which are closely related to the various theories and practical applications in MUC. In addition, we expect that the special issue will be a trigger for further related research and technology improvements in this important subject.

Topics (included, but are not limited to):

- Security issues and privacy for MUC
- Multimedia content distribution/service system in MUC
- Theoretical foundations and algorithms for multimedia in MUC
- Real-time and interactive multimedia applications for MUC
- Ubiquitous multimedia streaming with mobility, QoS, and multicast support
- Multimedia synchronization schemes in MUC
- Mobile multimedia applications & services
- Business model and protocols for ubiquitous services
- Intelligent context-aware schemes for MUC
- Wireless sensor networks / RFID application for MUC
- Key management and authentication in MUC
- Network security issues and protocols in MUC
- Security issues on multimedia for MUC
- Authentication and Access control for MUC
- Emerging standards and technologies for MUC

Important Dates

- **Submission due date: May. 31, 2007**
- Decision Notification: June 29, 2007
- Camera-ready paper due date: July 31, 2007
- Publication date: September or October 2007 (Tentative)

Submission

Only the authors of IMIS-07 workshop papers who presented the paper at IMIS-07 can submit their revised papers to this special issue. Authors should follow the Style and Author Guidelines for regular COMPUTING AND INFORMATICS papers available at <http://www.cai.sk/CAIinstr.htm>. Please submit your papers to the guest editor, Dr. Ilsun You, at ilsunu@gmail.com.

Guest Editors

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