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Special Issue on “Advanced Processing Technologies and Applications for Mobile Communication Systems”

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Overview

The current state of mobile communication systems has advanced to the point that now they contain novel processing technologies and have applications that give them capabilities and power similar to traditional desktop computers, along with global access to data via the Internet. It has been argued that this is largely a result of the emphasis on pervasive computing along with the requirements for ubiquitous network access. In addition, recent mobile communication systems like Smartphone, tablet, and mobile gadgets represent an advanced communication environment featuring daily-life objects that continuously involve and are focused on final non-expert users. Most researchers predict that these smart devices and platforms' communication systems, as they continue to be developed, will provide an avenue for many new types of services. This trend of rapid growth of smart communication systems throughout the past few years has contributed to an increase of pervasive computing and has provided a variety of convergence services. The goal of this issue is to bring together state of the art research that describes original and unpublished work addressing Advanced Processing Technologies and Applications for Mobile Communication Systems. It will reflect the state of the art of the various smart devices' communication, network, applications and services, platforms, security of new processing techniques in engineering, science, and other disciplines related to the Smartphone applications and services for pervasive computing and the Internet of Things. Research areas of relevance would therefore include, but not limited to, the following topics:

Topics (Areas of interest for this special issue include the following topics):

- Smart Device Applications and Mobile Network Services
- Device & Platform Communication and Connectivity
- Efficiency and Performance of Smart, Wireless, Mobile Systems
- Smart Appliance, Wireless, Mobile Network and Systems
- Wearable, WSN, WPAN, RFID Communication Systems
- Smart Grid/Home and Building Automation Systems
- Multimedia security, authentication, access control
- Recent Advance Processing technologies for Communication systems
- User-friendly interface and User Experience
- Future Mobile Communication Challenges and Trends

Schedule

Manuscript due date: February 1st, 2012
Notification of acceptance: May 1st, 2012
Publication date: Winter, 2012 / Spring, 2013 (Tentative)

Revised paper due: June 1st, 2012
Submission of final manuscript: July 1st, 2012

Submission & Review Instruction



Submitted articles must not have been previously published or currently submitted for journal publication elsewhere. First, submissions must be submitted via IJCS submission system: <http://www3.interscience.wiley.com/journal/5996/home> Please mention the special issue title in the covering letter and in the appropriate fields of the online form which requests this information. And copy of the paper should be sent via email to Guest Editors: parkjonghyuk1@hotmail.com. Paper submissions must conform to the layout and format guidelines in international journal of communication systems. Instructions for Contributors are in: <http://www3.interscience.wiley.com/journal/5996/home/ForAuthors.html>

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