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### Springer Mobile Network & Applications (MONET)

#### Special Issue on

#### *New Technologies and Applications for Wireless Communications & Mobile Cloud Computing*

<http://www.springer.com/engineering/signals/journal/11036>

### Overview

Recent advances in wireless and mobile communication with cloud computing have dramatically changed the modern business environment and daily human life. Mobile cloud computing based on wireless communication will completely transform the way mobile technologies and applications are being developed, acquired, and used. However, mobile cloud computing is also facing many challenges such as the dependency on continuous network connections, data sharing applications and collaboration, and security. These problems must be carefully investigated before mobile cloud computing can become the next big thing. The mobile and wireless technologies market is about to change radically, from suppliers' standpoint and from the consumer access standpoint due to the emergence of widgets, the most compelling of mobile cloud applications. Thus, currently the communication research area is being closely connected with cloud issues such as wireless and mobile cloud, private and public cloud. The goal of this special issue is to report on cutting-edge research achievements covering those aspects of wireless and mobile cloud computing that are distinctively different from communication networks in general.

The research area poses challenges such as new architecture of mobile and wireless communication technologies and applications for cloud computing and middleware technologies, thin client layer on mobile devices, delay tolerance technologies and applications, software structure for mobile cloud application, collaborative operations in mobile cloud computing, mobile social network, security in mobile cloud computing, design tools for mobile cloud computing and business model for mobile cloud, and so on.

### Topics

This special issue of the journal ACM/Springer Mobile Network and Applications solicits high quality technical contributions New Technologies and Applications for Wireless Communications and Mobile Cloud Computing including, but not limited to:

- New architecture of mobile technologies and applications in cloud computing
- Middleware technologies for mobile cloud computing
- Delay tolerance technologies and applications for wireless communication
- Software structure for mobile cloud application,
- Thin client layer on mobile devices
- Collaborative operations in mobile cloud computing
- Mobile social network for wireless communication and cloud computing
- Security in wireless communication and mobile cloud computing

- Business model for wireless communication and mobile cloud computing
- Private-commercial-government communication system interoperability
- Wireless communications in multidimensional complex urban environments
- Emergency services and disaster recovery of networks and applications
- Techniques for flexible spectrum usage for wireless communication

## Important Dates

- **Manuscript submission deadline: Sept 1, 2011**
- **Notification of acceptance: Dec 1, 2011**
- **Submission of final revised manuscript due: Feb 20, 2012**
- **Publication of special issue: 1st Quarter 2013**

## Submission Procedure

Authors should follow the MONET Journal manuscript format at the journal site:

<http://www.springer.com/engineering/signals/journal/11036> .

Manuscripts should be submitted on line through <http://www.editorialmanager.com/mone/>. A copy of the manuscript should also be emailed to the following email: [taeshik.fra@gmail.com](mailto:taeshik.fra@gmail.com). The "Subject field" of the email must contain "**MONET NTAWCMC Paper** - ".. Manuscript Submission Due: Sept. 1, 2011

In addition, authors whose selected papers have been accepted and presented at the CloudComp 2011(<http://www.cloudcomp.eu/>), the 3rd International ICST Conference on Cloud Computing are invited to submit an extended and revised version of their papers to this special issue. The selected submitted papers must have at least 30% difference from the conference paper.

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