



Call for Papers

Mobile Information System (MIS)

SPECIAL ISSUE ON

Mobile and Wireless Networks

<http://www.iospress.nl/loadtop/load.php?isbn=1574017x>

Overview

Recent advances in wireless and mobile computing technologies have led to a new paradigm of computing by providing a lot of services and functionalities. Wireless technologies allow a wide spectrum of devices including laptops, PDA, intellectual sensors, and cellular phones to exchange and process information. To fulfill the potential for new services, applications and businesses offered by new computing and communication capabilities, several complex research issues need to be further studied and resolved. For example, in order to guarantee the performance requirements from applications in heterogeneous Wireless and Mobile Networks (MWNets), we need to develop new techniques for communication, QoS support, middleware, data management, etc. Also, information exchange among unconstrained entities (e.g. people, server, etc) need security mechanisms to guarantee data confidentiality and integrity and protect services from unauthorized use. This special issue solicits papers on various kinds of technologies in MWNets.

Topics

Topics of interest include, but are not limited to, the following scope:

<ul style="list-style-type: none">- Theoretical foundations and algorithms for MWNets- Modeling and performance evaluation for MWNets- QoS and real-time communications for MWNets- Multimedia communications over MWNets- Novel security models, threats and foundations for MWNets- Key management and authentication in MWNets- Privacy and trust in MWNets- Intelligent system techniques and novel applications for MWNets- Middleware support for MWNets- Implementation and deployment Issues for MWNets- Pervasive computing and applications- Register allocation for network processors in pervasive computing- Storage management for mobile and pervasive computing	<ul style="list-style-type: none">- Wireless networking protocols, systems and applications- Mobile Ad Hoc networking- Wireless Mesh Networks- Wireless Sensor Networks- Mobile IPv6 and mobility management- Wireless LAN, PAN, MAN and WAN- RFID Technologies- Operating system and network support for mobile devices- Integration and interworking of wired and wireless networks- Data management for wireless applications- Query processing for mobile and wireless sensor networks- Cross layer approach in wireless networks- Context aware computing and location-based services
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Important Dates

- **Submission due date: July 1, 2009**
- First review: August 1, 2009
- Minor/Major revision due (first round): August 15, 2009
- Acceptance decision notification: September 1, 2009
- Publication date: First Quarter of 2010 (Tentative)

Submission

Authors whose papers have been accepted and presented at CISIS 2009 and its workshops, are invited to submit their extended versions to this special issue. Due to the copyrights problem, the submitted manuscripts should have at least 30% difference from their conference version.

Authors should follow the Style and Author Guidelines for regular submissions to Mobile Information Systems (http://www.iospress.nl/html/1574017x_ita.html).

Please directly submit your manuscript in the pdf format to the Guest Editor, Prof. Ilsun You, at ilsunu@gmail.com.

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For further information regarding the special issue, please contact the guest editors.