Description

The new social, economic and technological trends having evolved worldwide such as the increasing demand for productivity and effectiveness with the pressure to respond immediately to customer requirements have created increased need for access to information anywhere in the world at anytime. Considering the present telecommunication environment, which is an amalgamation of a large number of networks and administrative domains employing various access technologies, combined with the increased user mobility makes it difficult to promise the same grade of service quality at all parts of the network. The convergence of information communications technology and computing is creating new demands and opportunities for ubiquitous computing via wireless and mobile equipment without technological restrictions.

The demanding networking environment of wireless communications imposes several challenges in terms of network design, channel estimation, propagation and radio resource management offering a variety of high quality multimedia applications. Overcoming these issues becomes even more demanding due to non-uniform spectrum allocation, various radio resource management policies, economic concerns, the scarcity of radio resources, the inherent transmission impairments of wireless links, and user mobility.

This Special Issue aims to publish high quality, original, unpublished research papers covering all aspects related to Mobile Computing and Networking Technologies. In addition, this Special Issue collects extended versions of best papers from IEEE Workshop on Mobile Computing and Networking Technologies 2009 (WMCNT09).

Special Issue Topics

Authors are solicited to submit original unpublished papers in the following, but not limited to, topic areas:

- QoS in wireless/mobile systems
- End-to-End QoS
- Mobility management in wireless networks
- Modeling analysis and simulation
- Wireless access techniques
- Wireless propagation and channel modelling
- Wireless/Mobile network architectures
- Digital audio and video on wireless networks
- Experimental systems and field trials
- Wireless communication networks and systems
- Wireless system services and applications
- Security, scalability and reliability in wireless/mobile networks
- Wireless / Mobile Internet
- Wireless LANs and PANs
- Body Wireless Networks
- Wireless mesh networks
- Wireless Mobile ad-hoc networks
- Planning and standardization
- Cognitive radio networks
- Cross-layer adaptation design and optimization
- Heterogeneous wireless networking
- 3G, 4G, and beyond system
- Next generation networks
- Systems interoperability
- Radio resource management
- Reliable broadcast/Multicast wireless technologies for multimedia applications
- Performance evaluation of new wireless standards for high-quality entertainment environments

Submission Guidelines

Prospective authors are invited to submit research contributions representing original, previously unpublished work. Submitted papers will be carefully evaluated based on originality, significance, technical soundness, and clarity of exposition. Authors should follow the Telecommunication Systems (http://www.springer.com/business/business+information+systems/journal/11235) manuscript format as described in the Instruction to Authors. Manuscripts (pdf and source files) must be directly emailed the following email address: wmcnt09@gmail.com with clear indication that the submission is for the Special Issue Mobile Computing and Networking Technologies (use “SI Submission – MCNT – JTS” as the e-mail subject). All manuscripts should include a cover letter containing the title of the paper, full names and affiliations, complete postal and electronic addresses, phone and fax numbers, an abstract, and some keywords. The contacting author should be clearly identified. Moreover, a short biography (up to 200 words) and a jpg picture of each author should be given at the end of the manuscript. All papers will be peer
reviewed based on their originality and high scientific quality. In addition, this Special Issue collects extended version of best papers from IEEE Workshop on Mobile Computing and Networking Technologies 2009 (WMCNT09), which should be a least 30% new compared to the workshop papers. For further questions or inquiries, please contact us at the following email address: wmcnt09@gmail.com.

**Important Dates**

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<td>First Notification of Acceptance</td>
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