Aim and scope:

Overview Recent trends in mobile computing rely more and more on the development of advanced networking technologies and sophisticated solutions, which utilize the concepts of ubiquitous computing. This development has led to new computing paradigms that already influence our everyday life and have a big impact on e-society. Here, consideration of social and environmental aspects, such as sustainability, energy-efficiency, cyber-security and privacy concerns, context-awareness, as well as humanized computing have to be taken into account.

In this special issue, we aim on receiving contributions targeting novel academic approaches as well as industry proven solutions, thus fostering the exchange between these domains.

Keywords:

Wireless network, security, peer to peer network, energy-efficiency, Ubiquitous computing, cloud, cognitive radio networks, Software defined networks (SDN).
Topics include, but are not limited to:

• Cloud computing
• Energy-efficient communication and computing technologies
• Energy-aware networking architecture and protocols
• Cyber security, privacy, and trust
• Algorithms and modeling for tracking and locating mobile users
• Stochastic modeling and performance evaluation of wireless, sensor and mobile networks and devices
• Design and analysis of wireless networks and protocols
• Peer-to-peer (P2P) system
• Autonomic computing and communication
• Mobile and context-aware computing
• Ubiquitous intelligence and smart world
• Security and privacy in e-documents
• Cognitive informatics for network applications
• Ambient intelligence in ubiquitous computing
• Power smart-grid security, privacy and trust
• Innovative networking and applications
• Digital ecosystems
• High-speed communication and network
• Traffic engineering, measurement and modeling
• Quality of service provisioning in wireless/mobile systems
• Wireless/mobile network architectures
• Resource and data management in mobile, wireless and ad hoc networks
• Mobility management and handover issues
• e-Technology, e-Government, and eLearning
• Green wireless networking
• Green cognitive wireless networks
• Wireless sensor network

Important Dates:
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