

Special Issue



Journal of Intelligent Manufacturing

SPECIAL ISSUE ON

Advanced Intelligent & Security Services in Mobile and Ubiquitous Computing

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Overview

Today research and industry communities are aiming at establishing mobile and ubiquitous computing (MUC) in order to address the emerging needs of the information society. MUC provides the foundation of a “human-oriented communication environment”, where people can go online even while moving around, thus can have almost permanent access to their preferred services. With a great potential to revolutionize our lives, MUC also poses new research challenges. The objective of this special issue is to report on the most recent developments and research in the MUC field, as well as to enhance and expand its state-of-the-art, fundamentals and practices with an emphasis on forthcoming intelligent and security applications. This special issue will bring together researchers from academia and industry as well as practitioners to share their new ideas, problems, and solutions related to the multifaceted aspects of MUC. The special issue will publish high quality papers which are closely related to the various theoretical and applied aspects of MUC. In addition, we expect that the special issue will foster further research and technology improvements in this important area.

Topics (included, but are not limited to):

- Theoretical foundations and algorithms for intelligent and security services in MUC
- Security issues and protocols for MUC
- Key management, authentication and access control for MUC
- Privacy and trust for MUC
- Communications network architecture for MUC
- Mobile Internet and mobility management for MUC
- Intelligent context-aware scheme
- Smart spaces and intelligent environments
- Fuzzy sets, genetic algorithms and neuro-computing for MUC
- Wireless sensors networks and RFID technologies for MUC
- Mobile ad-hoc and wireless mesh networks for MUC

Important Dates

- **Submission due date: June 30, 2009**
- Acceptance notification: August 31, 2009
- Paper due date: September 30, 2009
- Publication date: December 2009 or February 2010 (Tentative)

Submission

Authors should follow the Style and Author Guidelines for regular submissions to JOURNAL OF INTELLIGENT MANUFACTURING (<http://www.springer.com/business/production/journal/10845>).

Please submit your papers to the Guest Editor, Prof. Il-sun You, at ilsunu@gmail.com

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