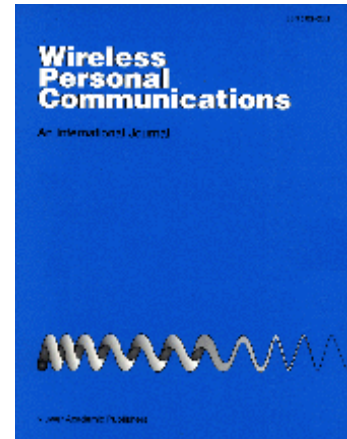


Wireless Personal Communications

Call for Papers

Special issue on: Advanced Technologies and Practices in Recent Wireless Sensor Networks



The recent advancement of wireless sensor network technologies and practices is one of the major roles to the evolution and enrichment of human life and fun with the advent of the next generation convergence network environments. A variety of usages and paradigms for wireless sensor networks is a growing interest in the design, development and deployment of sensor systems for applications with other emerging technologies such as RFID Technology, Multimedia Based Surveillance System, Biomedical Technology, Mobile Agent based Networks, P2P technology and Business Process, etc. In addition, the next evolutionary step for wireless sensor networks is to consider mobility, energy harvesting, and converged & fused services and applications.

Therefore, this special issue on advanced technologies and practices of recent wireless sensor networks will present current research focusing on MAC, security-related protocols and applications, robust architecture and frameworks, along with new theories and methodologies for next generation wireless sensor networks and respective its smart devices. We welcome contributions from the academic, industrial, research, and development communities that can demonstrate particular advances into the aforementioned proposals and technologies. Areas of interest for this special issue include, but not limited, the following topics:

- Application: Case studies, Prototypes and Services with WSN, Healthcare, Surveillance system, etc.
- Architecture: Localization, synchronization, sensor middleware architectures, etc.
- Information Processing & Context Awareness: distributed data processing, query processing, context reasoning and fusion etc.
- Security: Hybrid authentication, Intrusion detection, device security and threat countermeasure, etc.
- Protocol: Cross-layer design and interactions, efficient (de)modulation schemes, etc.
- Platform: Operating system and system software, QoS management, power saving technologies, RF propagation analysis, and frequency, etc.

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Original, high quality contributions that are not yet published or that are not currently under review by other journals or peer-reviewed conferences are sought. Manuscripts should be submitted by e-mail to paper.submission1@gmail.com. Please mention "WPC Special Issue Submission" in the subject line of your e-mail. After sending your manuscript, if you do not get a confirmation of receipt of your submission within 2-3 business days, please resend your original e-mail again. A guide for authors for preparing their papers is available at <http://www.springer.com/engineering/signals/journal/11277>. Contributing authors might also be asked to review some of the papers submitted to this special issue.

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