

MAS 2007

The 4th IEEE International Conference on Mobile Ad-hoc and Sensor Systems

Pisa, Italy, October 8 – 11, 2007



<http://cnd.cnr.iit.it/mass2007>

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Important dates

Submission Deadline: April 14, 2007 (Extended)

Acceptance Notification: June 30, 2007

Final Manuscript Due: August 10, 2007

In cooperation with
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CALL FOR PAPERS

Wireless multi-hop communication is envisioned in multiple scenarios where network nodes communicate via other network nodes: conferences, hospitals, battlefields, rescue operations, environment control, cars-to-cars, and monitoring scenarios. Wireless mesh networks have been applied as alternatives for providing Internet access in remote business and residential areas. Wireless sensor networks are being deployed for several industrial control processes and for monitoring environment. This conference aims to address multi-hop ad-hoc and sensor networks systems, covering topics ranging from technology issues up to the applications aspects. Original manuscripts that focus on the analytical modeling, protocol/algorithm design, and/or experimental studies of the following topics of interest are sought:

- * physical layer impact on higher level protocols
- * MAC protocols for ad-hoc and sensor networks (802.11, 802.15.4, UWB)
- * Provisioning of wireless QoS in terms of bandwidth and delay assurance
- * Routing protocols (unicast, multicast, broadcast, geocast) and routing metrics
- * Data transport in wireless ad hoc and sensor networks
- * Power-aware and energy-efficient design
- * Topology construction and coverage maintenance
- * Cross layer design and optimization
- * Incentives and game theoretic approaches in wireless ad-hoc networks
- * Localization and synchronization in wireless sensor networks
- * Data gathering, fusion, and dissemination in wireless sensor
- * Reliability, security, and trustworthiness issues in ad hoc and sensor networks
- * Operating system and middleware support
- * Measurements and practical experience from experimental systems and test-beds
- * Modeling, analysis and performance evaluation
- * Mesh networking
- * Delay tolerant networks and opportunistic networking
- * Handoff and mobility management and seamless internetworking
- * Peer-to-peer, overlay, and content distribution wireless ad hoc networks

Paper submission

All submissions must be full papers in .pdf or .ps (PostScript) format. Papers must be uploaded to EDAS by March 31, 2007, and must not exceed 10 single-spaced, two-column pages using at least 11 point size fonts on 8.5 x 11 inch pages. Detailed submission instructions will be published in due time on the conference website.

Workshops

Proposals for full day workshops are solicited. Selections will be made considering the expertise and experience of the workshop organizers and the relevance of the topic to the central theme of the conference. Proposals of at most 4 pages, including a 1-page biographical sketch, should be submitted to the Workshops Chair by March 31, 2007.

Demos

Technical demonstration of experimental ad hoc networking and computing systems are solicited. To Instructions for submitting a demo proposal will be published in due time on the conference website.