MASS 2008 The 5th IEEE International Conference on Mobile Ad Hoc and Sensor Systems

September 29 – October 2, 2008
Atlanta, USA
http://www.cse.psu.edu/IEEEMASS08/

CALL FOR PAPERS

Sponsors: *IEEE, IEEE Computer Society, IEEE Technical Committee on Distributed Processing, IEEE Technical Committee on Simulation and IEEE Technical Committee on Computer Communications*

Wireless ad-hoc communication has applications in a variety of environments, such as conferences, hospitals, battlefields and disaster-recovery/rescue operations, and is also being actively investigated as an alternative paradigm for Internet connectivity in both urban and rural areas. Wireless sensor and actuator networks are also being deployed for enhancing industrial control processes and supply-chains, and for various forms of environmental monitoring. The IEEE MASS 2008 conference is the fifth edition of MASS and aims at addressing advances in research on multi-hop ad-hoc and sensor networks, covering topics ranging from technology issues to applications and test-bed development.

Original, unpublished contributions are solicited in all aspects of (mobile) ad-hoc networks and wireless sensor networks (WSN), systems and applications. Extended versions of selected papers will be considered for fast track publication in the Pervasive and Mobile Computing Journal (www.elsevier.com/locate/pmc). Topics include, but are not limited to:

- Physical layer impact on higher layers in ad-hoc networks and WSNs
- Directional / smart antennas
- Multi-channel, multi-radio and MIMO technologies
- MAC protocols (802.11, 802.15.4, UWB)
- Wireless mesh networks and cognitive networks
- P2P, overlay, and content distribution architectures for wireless ad hoc networks
- Delay tolerant networks and opportunistic networking
- Vehicular networks and protocols
- Mobile/robotic sensor networks
- Power-aware architectures, algorithms and protocols design
- Clustering, topology control, coverage and connectivity issues
- Routing protocols (unicast, multicast, broadcast, geocast)
- Data transport, management and information scheduling
- Data gathering, fusion, and dissemination in WSNs
- Localization and synchronization in WSNs
- Cooperative sensing in WSNs
- Sensor networks and pervasive infrastructures

- Capacity planning and admission control in ad-hoc networks
- Handoff / mobility management and seamless internetworking
- Resource management and wireless QoS Provisioning
- Cross layer design and optimization
- Incentive-based and game-theoretic approaches in ad-hoc networks
- Reliability, resiliency and fault tolerance techniques
- Security, privacy, and trust issues
- Management and monitoring of ad-hoc and sensor networks
- Operating systems and middleware support
- Novel applications and architectures for WSNs
- Modeling, analysis and performance evaluation
- Measurements and experience from experimental systems and test-beds

The "Best Paper Award" at MASS 2008 will be sponsored by Pervasive and Mobile Computing journal (Elsevier)

Submission Guidelines:

All submissions must be full papers in PDF format and uploaded on EDAS. Direct link for paper submission (abstracts due within March 14, 2008):

http://www.edas.info/newPaper.php?c=6118&

They must not exceed 10 single-spaced, double-column pages using 10 pt size fonts on 8.5 x 11 inch pages in IEEE style format. Detailed formatting and submission instructions will be available on the conference website.

Workshop Proposals:

Workshop proposals are solicited on cutting-edge topics that complement or supplement the main theme of IEEE MASS 2008. Please contact the Workshop Co-chairs with proposals or for any questions.
The submission deadline is Feb 15.

Demo Proposals:

Proposals are solicited for technical demonstrations of experimental ad-hoc and sensor networking systems. Visit the conference website for instructions on submitting demo proposals or contact the Demo Chair.

Submission Deadlines:

Abstracts Due:	**March 21, 2008**
Manuscripts Due:	**March 28, 2008**
Acceptance Notification:	~~**June 20, 2008**~~ **June 25, 2008**
Camera-ready Submission:	July 18, 2008

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