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CALL FOR PAPERS

The 3rd IEEE International Conference on Mobile Ad hoc and Sensor Systems (MASS-2006)

October 9 - 12, 2006, Vancouver, Canada
http://www.ieee-mass.org

Sponsored by

IEEE Computer Society, IEEE TC on Distributed Processing and TC on Simulation

Earlier research in wireless networks and mobile computing has concentrated on single-hop networks, where network nodes communicate directly with a fixed infrastructure, such as cellular or satellite systems. More recently, interest in multi-hop networks, such as mobile ad hoc networks and sensor networks, has stimulated a significant amount of scientific research. In particular, wireless mesh networking (a new community network architecture) has been proposed as an alternative for providing Internet access to business and residential customers. This conference focuses on multi-hop ad hoc and sensor networks systems, covering topics ranging from physical issues to applications.

Manuscripts that focus on analytical modeling, protocol/algorithm design, and/or experimental studies of the following topics of interest are sought:

- Channel behavior modeling and its impact on design of higher-layer protocols
- Directional and smart antennas for ad hoc networks
- MAC protocols for ad hoc and sensor networks (802.11, 802.15.4, UWB)
- Provisioning of wireless QoS; e.g., 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 maintenance of coverage
- 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 in ad hoc and sensor networks
- Operating system and middleware support
- Applications of multi-hop technology

Paper submission

All submissions must be full papers in .pdf or .ps (PostScript) format. Papers must be uploaded to EDAS by March 31, 2006, 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 http://www.ieee-mass.org together with format files.

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, Elizabeth M. Belding-Royer (ebelding@cs.ucsb.edu) by March 31, 2006.

Important dates

Manuscript Submission Due:	**March 31, 2006**
Acceptance Notification:	**June 30, 2006**
Final Manuscript Due:	**August 10, 2006**
Conference:	**October 9 – 12, 2006**