Regular Papers
Research on wireless networks and mobile computing has until recently concentrated on single-hop networks (network nodes communicating directly to a fixed infrastructure), such as cellular or satellite systems. Ad-hoc and sensor networks cover multi-hop scenarios (network nodes communicating via other network nodes) such as conference, hospital, battlefield, rescue, and monitoring scenarios. This conference covers the area of ad-hoc and sensor systems, from physical issues up to the applications aspects.

Possible topics of interest include, but are not limited to:
- MAC protocols for ad-hoc and sensor networks (801.11, Bluetooth, etc)
- Routing protocols (unicast, multicast, broadcast, geocast, etc)
- Power-aware and energy-efficient design
- QoS, security, and fault-tolerant issues
- Location and mobility management
- Topology construction and coverage maintenance
- Distributed Algorithms (self-configuration, scheduling, synchronization, etc)
- Data gathering, fusion, and dissemination
- Operating system and middleware support
- Complexity analysis of algorithms
- Analytical, mobility, and validation models
- Applications of ad-hoc and sensor networks

Poster Papers
Poster session will be held to present recent results. This will also serve as a forum for discussions and mutual interaction on ongoing research, and it could possibly enhance interaction and foster collaboration among researchers from academia and industries. Submission should be limited to four pages, summarizing the main ideas and contributions.

Workshop Proposals
Proposals for full day workshops are also solicited on specific topic areas. The selection would depend on the uniqueness and importance of the topic, the necessary background information and potential for its success.

Special Issue
High quality papers from this conference will be invited for publication in a special issue of International Journal of Wireless Information Networks.

Important Dates
Manuscript Submission due: May 8, 2005
Workshop Proposals due: April 30, 2005
Acceptance Notification due: July 22, 2005
Final Manuscript due: August 26, 2005

Submission Guidelines
All submissions will be handled electronically. Authors should prepare a PDF or PS of their full papers and submit them through EDAS (http://www.edas.info). For further information visit http://www.mass05.wpi.edu/submission.htm
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Guohong Cao (Algorithms and Topology), Pennsylvania State University, USA
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