



**Call for Papers**  
**IEEE Workshop on Wireless Ad Hoc and Sensor Networks**  
**Nov. 29, 2004**  
*(in conjunction with GLOBECOM 2004)*

Original papers are solicited in the area of wireless ad hoc and sensor networks. Papers must represent high quality and previously unpublished work, not currently under review by another conference, workshop, or journal. Papers accepted for presentation will be published in an IEEE workshop proceeding and will be available on IEEEExplore. Papers of particular merit will be proposed for publication in a journal special issue.

Potential areas of interest include, but are not limited to, the following:

- a. PHY: de/modulation, transceiver design, multi-packet reception (MPR), directional antennas, exploiting directional antennas for MAC and QoS, etc.
- b. MAC: single-channel, multi-channel
- c. Scheduling: scheduling and load balancing, joint scheduling and power control, etc.
- d. Broadcasting: optimal, probabilistic, etc.
- e. Routing: fair routing, incorporation of linear and non-linear optimization, etc.
- f. Distributed positioning: GSP-free positioning
- g. Location-inspired designs
- h. Virtual Wireless Infrastructures (VWI): heuristics, near-optimal, VWI for efficient cross-layer interactions, etc.
- i. Security: key management, WPA vulnerability, etc.
- j. Disruptive applications (telemedical, biological, etc)
- k. Body area ad hoc networks
- l. M-commerce
- m. Self-configurable wearable ad hoc networks
- n. Non-monolithic/shared conceptual models for context-awareness
- o. Cross-layer design: integration of PHY, MAC, routing and application aspects
- p. Performance evaluation and modeling

All submissions will be handled electronically through the EDAS conference management system at <http://edas.info>, and must be in PDF format. Your submission should include the names, complete mailing addresses, telephone and fax numbers, and the email addresses of the authors. Papers should be submitted to one of the workshop co-chairs listed below.

**Important Dates:**

Paper submission deadline: July 15, 2004 **(NO EXTENSIONS WILL BE GRANTED)**

Notification of acceptance: August 2, 2004

Camera-Ready manuscripts: August 27, 2004

**Co-Chairs:**

Ahmed M. Safwat, Queen's University, Canada, [safwat@ee.queensu.ca](mailto:safwat@ee.queensu.ca)

Mohsen Guizani, Western Michigan University, USA, [mguizani@cs.wmich.edu](mailto:mguizani@cs.wmich.edu)

More details can be found at the workshop website:

<http://www.ece.queensu.ca/hpages/faculty/safwat/Conferences/GLOBECOM04/index.html>

