

# CALL FOR PAPERS

## International Workshop on Wireless and Sensor Networks (WSNET-07)

<http://users.ece.gatech.edu/~xiaoli/WSNET07/>

XiAn, China, September 10-14, 2007

in conjunction with

**The 2007 International Conference on Parallel Processing (ICPP-07)**

### Scope and Interests

Wireless ad hoc and sensor networks have been one of the most prosperous research areas in recent years thanks to its potential to support and enable futuristic applications. In ad hoc networks, nodes in proximity dynamically form temporary networks without the aid of any established infrastructure or centralized administration. As one of the most convincing applications of ad hoc networks, sensor networks share the similar definition, but put more stringent resource constraints at each sensor node. Researches in ad hoc networks have led effective means to implement sensor networks and allow sensor nodes to enjoy greater mobility and connectivity. Sensor networks designed for different tasks, including surveillance and monitoring systems for commercial and military applications, are governed by various requirements. These requirements keep challenging researchers in the design of better architectures and protocols for ad hoc and sensor networks.

As more applications of wireless ad hoc and sensor networks are found, we believe that the technological advances in ad hoc and sensor networks will play an important role in our modern civilization. The workshop intends to serve as a platform that brings together all researchers and developers in these fields all around the world to share their research results, to exchange innovative ideas, and to establish possible collaborations both in academia and in industry. This workshop will focus on fundamental challenges and issues in the fields of wireless ad hoc and sensor networks. Technical topics of the workshop include but are not limited to:

Wireless Local and Metropolitan Area Networks	Power-aware Protocols
Wireless Sensor Networks	Wireless switching and routing techniques
IEEE 802.11 and IEEE 802.16	Topology Control
Bluetooth, ZigBee, and UWB	Localization and Synchronization
Network Planning and Deployment	Location-based Services
Performance Evaluation and Analysis	Mobile Security and Device Security
Roaming and Interoperability	Mobile Agents
Resource Management	Industrial Applications
Wireless modulation, coding, and diversity techniques	Case Studies
Scalability and Capacity	Spectrum sharing and open spectrum management
Middleware for Wireless Sensor Networks	Wireless medium access control techniques

### Paper Submission

Authors should email one copy of their paper in either PDF or PS format to [xiaoli@ieee.org](mailto:xiaoli@ieee.org). The paper should not exceed 20 double-spaced, 8.5 x 11-inch pages (including figures, tables and references) in 10-12 point font. Number each page. Include an abstract, five to ten keywords, the technical area(s) most relevant to your paper, and the corresponding author's e-mail address. All submitted papers will be reviewed by program committee members.

### Submission Deadline

Author Notification  
Final Manuscript Due

**February 17, 2007**

May 7, 2007  
June 11, 2007

### For Further Information – Please contact:

Prof. Chin-Tser Huang, University of South Carolina, [huangct@cse.sc.edu](mailto:huangct@cse.sc.edu)  
Prof. Xiaoli Ma, Georgia Institute of Technology, [xiaoli@ece.gatech.edu](mailto:xiaoli@ece.gatech.edu)  
Prof. Min-Te Sun, Auburn University, [sunmint@eng.auburn.edu](mailto:sunmint@eng.auburn.edu)