

The 4th International Workshop on Ad hoc and Sensor Networks

To be held in conjunction with
2006 International Conference on Parallel Processing (ICPP-2006)
Columbus, Ohio, USA
August 14-18, 2006

Ad hoc networks are typically formed by a collection of wireless mobile nodes dynamically and temperately, without any established infrastructure or centralized administration. As one of the most convincing applications of ad hoc networks, sensor networks share the similar characteristics, but put more stringent resource constraints at each sensor node. Researches in ad hoc networks have led effective means to implement sensor networks with greater mobility and connectivity. Sensor networks are versatile for various applications, such as surveillance and monitoring systems for commercial and military applications. The various requirements of these applications keep challenging researchers to design better architectures and protocols.

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

- Wireless Local and Metropolitan Area Networks
- Wireless Sensor Networks
- Bluetooth and ZigBee
- Ultra Wide Band Networks
- Network Planning and Deployment
- Performance Evaluation and Analysis
- Roaming and Interoperability
- Resource Management

- Multiple Access Schemes
- Scalability and Capacity
- Power-aware Protocols
- Routing, Broadcasting and Multicasting
- Topology Control
- Middleware for Wireless or Sensor Networks
- Localization and Synchronization
- Location-based Services
- Information Assurance for Wireless Networks
- Mobile Agents
- Industrial Applications
- Case Studies

Paper Submission Guidelines

Authors should send one copy of their paper in either PDF or Postscript file format, with maximum 8 pages including figures, tables, and references, via email to yuwang@eng.auburn.edu. Paper submissions should be formatted according to the IEEE standard double-column format with a font size 10 pt or larger. Submissions should represent original, substantive research results. All submissions will be carefully reviewed.

Important Dates

Paper Submission Deadline:	February 22, 2006
Author Notification:	April 7, 2006
Final Manuscript Due:	April 30, 2006

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