

Call for Papers WWAN 2005

2nd IEEE International Workshop on Wireless Ad Hoc Networking

<http://www.lifl.fr/RD2P/WWAN2005>

to be held in conjunction with

The 25th IEEE International Conference on Distributed Computing Systems (ICDCS-2005)

Colombus, Ohio, USA, June 6-9, 2005

<http://www.cis.ohio-state.edu/icdcs05>

Program Co-Chairs

Dr. David Simplot-Ryl
IRCICA/LIFL, Univ. Lille 1,
INRIA Futurs, France
David.Simplot@lifl.fr

Dr. Ivan Stojmenović
SITE, University of Ottawa,
Canada
ivan@site.uottawa.ca

Program Committee

Michel Barbeau, *Carleton
University, Ottawa, Canada*

Stefano Basagni, *Northeastern
University, Boston, USA*

Ana Cavalli, *INT Evry, France*

Marco Conti, *IIT Institute, Pisa,
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Bonn, Germany*

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of Lille, France*

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Purpose

Wireless networks and mobile computing research has until recently concentrated on single-hop networks (network nodes communicating directly to a fixed infrastructure), such as cellular or satellite systems. Ad hoc networking covers multi-hop scenarios (network nodes communicating via other network nodes) such as conference, hospital, battlefield, rescue, monitoring scenarios. Wireless ad-hoc networks are formed by a set of hosts that communicate with each other over a wireless channel. Each node has the ability to communicate directly with another node in its physical neighborhood. They operate in a self-organized and decentralized manner and message communication takes place via multi-hop spreading. A packet is sent to its target node through a set of intermediate nodes that act as routers. Particular ad hoc network systems include packet radio networks, sensor networks, personal communication systems, rooftop networks, and wireless local area networks.

This workshop covers the area of ad hoc networking, from physical issues up to applications aspects. In particular, it will cover physical, data link, network and transport layers, as well as applications, security, simulation and power management issues in sensor, local area, personal, and mobile ad hoc networks. It is the goal of this workshop to review ad hoc protocols and models and to reflect the latest in the state of the art in ad hoc networks. It seeks to provide up to date information on research and development activities in rapidly growing area of ad hoc networks.

Topics of Interest

We are seeking papers that describe original and unpublished contributions addressing various aspects of ad hoc networking. Possible topics of interest include, but are not limited to:

- Applications and history of ad hoc networks,
- Physical layer of ad hoc networks,
- Pervasive and wearable computing,
- IEEE 801.11 and Bluetooth based medium access control,
- Methods and tools for ad hoc networks simulation,
- Analytical, mobility and validation models for ad hoc networks,
- Hybrid networks and wireless internet,
- Security in ad hoc networks,
- Data management issues, query processing, data delivery,
- Routing, broadcasting and multicasting in ad hoc networks,
- Energy-efficient protocols for ad hoc networks,
- Quality of service in medium access control and routing,
- Topology construction and maintenance in ad hoc networks.

Paper Submission

Submission instructions are published on the workshop web site.

Important Dates

Manuscript Submission	November 12, 2004
Acceptance Notification	January 21, 2005
Final Manuscript Due	March 1, 2005