

CALL FOR PAPERS

Special Session on "Performance and Analysis of Wireless LANs and PANs"

organized in conjunction with

The 1st International Conference on Mobile Lightweight Wireless Systems (MOBILIGHT 2009)

18-20 May 2009, Athens, Greece

<http://www.mobilight.org/>

Important Dates:

Full Paper submission due: February 26, 2009
Notification of acceptance by: March 8, 2009
Camera ready paper due: March 15, 2009

Scope:

Wireless networking technologies are increasingly penetrating into the life of people worldwide. Examples of the most popular recent technologies such as the Wi-Fi family of Wireless Local Area Networks (WLANs), and Bluetooth for Personal Area Networks (WPANs), are intended to provide the flexibility of forming networks in an ad hoc manner, without access to any infrastructure, or by extending a pre-existing network infrastructure, e.g. to provide access to a wired LAN and/or the Internet. Recent developments also foresee WLAN technologies to be a complement to third generation mobile communication networks. This special session is devoted to the analytic, simulation and experimental studies of the wireless LANs and PANs, the most recent standardisation efforts and deployment examples.

Topics:

Topics of interest include, but are not limited to:

- Mathematical methods for the performance evaluation of WLAN and WPAN
- Wireless LAN and PAN media access control (MAC) protocols
- Energy efficiency in protocol and systems design
- 802.11s mesh networks
- Wireless network simulation techniques
- Interoperability issues between wireless standards/protocols
- Performance of Bluetooth and Wi-Fi-based networks
- Quality of Service issues in local wireless networks
- Resource allocation in wireless LANs

Paper submission:

All submitted papers should describe original, previously unpublished work and will be subject to a rigorous peer-review. Accepted papers will be published by Springer in the MOBILIGHT Conference Proceedings and made available online through the Lecture Notes of ICST (LNICST). Please visit <http://www.mobilight.org/> for submission guidelines.

Special Session organizers:

Alexey Vinel, Saint-Petersburg Institute for Informatics and Automation, Russia
Periklis Chatzimisios, University of Macedonia, Greece