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4th Intl. Symposium on Modeling and Optimization in Mobile, Ad Hoc, and Wireless Networks (WiOpt'06)

Boston, Massachusetts, April 3-7, 2006

SCOPE OF THE SYMPOSIUM

The complexity of mobile, ad hoc, and wireless networks requires thoroughly founded models capturing their essential characteristics and new optimization techniques building upon such models. Insights into both the theoretical aspects of these problems as well as practical methods and tools are necessary. This symposium intends to bring together researchers and practitioners working on optimization issues from different perspectives, including performance analysis, mobile networking, wireless communication, and optimization theory.

Contributions to this conference should show new modeling and optimization techniques suitable for mobile/wireless networks or innovative applications of these techniques to improve network operation. Topics of interest include, but are not limited to:

- Modeling techniques and tools for wireless networks
- Performance characterization & optimization of wireless networks
- Wireless network optimization: Applications, algorithms, and tools
- Protocol design for optimal wireless network utilization
- Models and optimization approaches for energy efficiency, QoS, bandwidth economy and other aspects of wireless networks
- Models and optimization techniques for non-standard network paradigms like sensor, vehicular, body area networks
- Security and co-operation models for mobile and ad hoc networks
- Pricing and incentives in wireless networks
- Game theoretic techniques for mobile/wireless networks

Papers should be submitted as extended abstracts of up to 8 pages and published by IEEE Press (see web-page for details). Selected papers from WiOpt 2006 will appear in a special issue of ACM/Kluwer Monet.

ADJUNCT WORKSHOPS

Several one-day workshops will accompany the main WiOpt Symposium on April 3rd and 7th:

- **WINMEE 2006** — Measurement in Wireless Networks, Chairs: K. Almeroth (UC Santa Barbara), K. Salamati (LIP6-CNRS)
- **RAWNET 2006** — Resource Allocation in Wireless Networks, Chairs: S. Borst (Bell Labs –CWI), A. Proutiere (France Telecom R&D)
- **SPASWIN 2006** — Stochastic Geometry for Wireless Networks, Chairs: M. Franceschetti (UC San Diego), P. Thiran (EPFL)
- **NETCOD 2006** — Network Coding and Information Theory, Chairs: R. Koetter (UI Urbana Champaign), M. Medard (MIT)

SPONSORSHIP

WiOpt'06 is sponsored by INRIA, Boston University, ICST, Create-Net, and Intel, and technically co-sponsored by the IEEE Information Theory and Control Systems Societies, and IFIP TC6 WG 6.3 (Performance of Communication Systems).

IMPORTANT DATES

Submission deadline (EXTENDED): Oct. 11, 2005

Notification of acceptance: Dec. 5, 2005

Camera-ready copy: Jan. 5, 2006

For more details,
please visit
<http://www.wiopt.org>