



WiOpt 2012
10th Intl. Symposium on Modeling and Optimization in
Mobile, Ad Hoc, and Wireless Networks
May 14 – 18, Paderborn, Germany
<http://www.wi-opt.org/>

WiOpt 2012 intends to bring together researchers and practitioners working on modeling and optimization of wireless network design and operations. It welcomes original, high-quality work on different perspectives, including performance analysis and simulation, algorithms and protocol design, optimization theory and application, information-theoretic analysis, for all forms of wireless networks.

Contributions to the symposium should improve the state of the art in design, analysis, dimensioning, and operations of wireless network by providing insights into theoretical aspects or providing practical methods and tools. All forms of wireless networks are of interest: from cellular to ad hoc networks; domain-specific vehicular, public-transport, and personal-area networks as well as application-specific sensor networks.

Topics of relevance include, but are not limited to, the following:

- Asymptotic system properties, e.g., capacity, connectivity, coverage, delay
- Cognitive radios
- Cross-layer design and optimization
- Dynamic spectrum management
- Energy efficiency
- Game theoretic models, contract, pricing, and incentives
- Interference in wireless networks
- Mobility modeling and management
- Modeling, simulations, and performances analysis
- Network and multi-user information theory
- Network protocol design
- Opportunistic and cooperative communications
- Optimal control of network operations
- Optimization of network design
- Routing protocols
- Scalability and manageability of network architectures
- Security in wireless networks

Technical papers describing original, previously unpublished research, which are not currently under review by another conference or journal are solicited.

The submission format for the papers is an extended abstract, up to eight pages long. Please use 11 pt character size, one column text, double spacing, and letter paper. This page budget should contain all figures, tables, references, etc. The extended abstract should include a brief abstract of up to 150 words. The submission will be handled via EDAS (<http://edas.info>). Only PDF files are acceptable; please make sure that the paper prints without problems (take care to embed all required fonts, etc.). Full papers, of up to 8 pages, in IEEE conference double column format, will be published in the conference proceedings and will be available via the IEEE Xplore website.

Important dates

Submission Deadline
January 6, 2012

Notification of Acceptance
March 9, 2012

Camera Ready Papers
March 30, 2012

General chairs

Catherine Rosenberg
Jie Lie
Holger Karl

TPC chairs

Afef Feki
John S. Baras
Jianwei Huang

Publication chair

Hannes Frey

Publicity chairs

Stefan Valentin
Chia-Chin Chong
Jianhua Zhang

Workshop chairs

Halim Yanikomeroglu
Slawomir Stanczak