

SpaSWiN 2008

Forth Workshop on Spatial Stochastic Models for Wireless Networks
April 4, Berlin, Germany; Held in conjunction with WiOpt 2008

Call for papers

The spatial distribution of transmitters, receivers and relaying devices is an essential feature for assessing the capacity of a wireless network. The modeling of such networks requires methods and tools from point process theory, stochastic geometry and random graph theory. The art of modeling wireless networks is strongly multi-disciplinary, combining these spatial, stochastic tools with information theory, combinatorics, game theory, etc. SpaSWiN is the first workshop specifically devoted to the use of spatial stochastic models for wireless communications. Building on the success of the three previous venues of the workshop: in Riva del Garda, Italy (2005), Boston, Massachusetts (2006), and in Limassol, Cyprus (2007), the goal of SpaSWiN 2008 is to bring together researchers from the various disciplines involved in spatial models of wireless communications. Please join us in Berlin, Germany on April 4, 2008.

Papers

We are soliciting abstracts that report on recent advances on spatial stochastic models of wireless networks as well as more theoretical papers of potential interest to wireless networks.

Scope

Spatial stochastic models include, but are not limited to:

- Point processes,
- Stochastic geometry,
- Discrete and continuum percolation,
- Random graphs,

All aspects and technologies of wireless networking will be considered, in particular:

- Cellular networks,
- Mesh networks,
- Sensor networks,
- Mobile ad hoc networks,
- Hybrid networks,
- Macroscopic laws for coverage, connectivity, capacity, delay, etc.,
- Distributed routing and scheduling protocols and algorithms,
- Network information theory,
- Power and topology control,
- Mobility.

Submission guidelines

Authors are invited to submit titles and extended abstracts. Submitted manuscripts should not exceed 6 pages in length, including figures, appendix and bibliography. Abstracts should be formatted in two columns with a point size greater or equal to 10pt. Submissions will be done electronically in Adobe PDF format, though **Cocus**. Accepted abstracts will be published in (post)-workshop materials, with the copyright left to the authors. Authors will be offered the possibility to have their 6-page abstracts listed in the IEEE Xplore as well as in the IEEE digital library, with IEEE publication status.

Important dates (tentative)

Paper submission deadline:	November 19, 2007
Notification of acceptance:	January 21, 2008
Camera-ready paper due:	February 21, 2008
Early registration deadline:	March 1, 2008
Workshop date:	April 4, 2008

Workshop Chairs

Francois Baccelli, INRIA/ENS
Paris, France,

Bartek Blaszczyszyn, INRIA/ENS
Paris, France and Mathematical
Institute University of Wroclaw,
Poland

Program Committee

To be announced

Additional information

For **Registration, Lodging and Travel** please consult **WiOpt 2008**