

SpaSWiN 2010 Workshop

6th Workshop on Spatial Stochastic Models for Wireless Networks

June 4, 2010

Avignon, France

Held in conjunction with WiOpt 2010

Organizing Committee

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Important Dates

March 8, 2010 **Extended** Paper submission deadline
March 31, 2010 Decision notification
April 25, 2010 Camera ready deadline
June 4, 2010 Workshop date

Keynote Speaker

Piyush Gupta (*Bell Labs*)

Invited Speaker

Ali Jadbabaie (*U. Penn*)

Conference Website

<http://www.spaswin.org>

SpaSWiN 2010

The spatial distribution of the transmitters, receivers and relaying nodes 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, and network protocols.

SpaSWiN is the first workshop specifically devoted to the use of spatial stochastic models for wireless communications. Building on the success of the five previous venues of the workshop: in Riva del Garda, Italy (2005), Boston, Massachusetts (2006), Limassol, Cyprus (2007), Berlin, Germany (2008), and Seoul, South Korea (2009), the goal of SpaSWiN 2010 is to bring together researchers from the various disciplines involved in spatial models of wireless communications. Please join us in Avignon, France on June 4th, 2010.

Call for Papers

The technical program committee is soliciting contributions that employ spatial stochastic models including (but not limited to) point processes, stochastic geometry, discrete and continuum percolation, and random graphs. All aspects and technologies of wireless networking will be considered, including (but not limited to): *ad hoc*, cellular, mesh, sensor, mobile, hybrid, and two-tier networks; models for coverage, connectivity, capacity, delay, energy efficiency; distributed routing and scheduling protocols and algorithms; network information theory; power and topology control; mobility models.

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. 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 IEEEExplore as well as in the IEEE digital library, with IEEE publication status.