

SpaSWiN 2006: Technical Program

08.30 - 08.40	Welcome
08.40 - 09.20	Keynote 1: <i>Random graph models of wireless networks: Connectivity, clocks, computation and capacity</i> P.R. Kumar (Univ. Illinois at Urbana Champaign)
09.20 - 10.00	Keynote 2: <i>From statistical physics to information science; how to use math for communication networks</i> Ronald Meester (Free University Amsterdam)
10.00 - 10.30	Coffee break
10.30 - 12.10	<u>Session 1.</u> Chair: Ayalvadi Ganesh (Microsoft Research, Cambridge). Contributed papers (5)
	<i>Navigation on a Poisson point process</i> Charles Bordenave
	<i>A Lower Bound for the Achievable Throughput in Large Random Wireless Networks Under Fixed Multi-path Fading</i> Yoav Nebat
	<i>A Backoff Mechanism to Achieve Full Organization</i> Mathilde Durvy; Patrick Thiran
	<i>Propagation properties for a message in a Brownian sensor network</i> Niklas Gunnarsson; Ingemar Kaj; Petteri Mannersalo
	<i>Travel delay in a large wireless ad hoc network</i> Erol Gelenbe
12.10 - 13.20	Lunch
13.20 - 15.00	<u>Session 2.</u> Chair: Petteri Mannersalo (VTT Finland)
13.20 - 13.50	Invited talk 1: <i>Flows through random networks</i> David Aldous (U.C. Berkeley)
13.50 - 14.20	Invited talk 2: <i>Self Organization of Interfering 802.11 Wireless Access Networks</i> Francois Baccelli (ENS-INRIA, Paris)
14.20 - 15.00	Contributed papers (2)
	<i>A compact routing protocol for ad hoc networks</i> Minghua Chen; Ayalvadi Ganesh

	<i>A stochastic geometry approach to wideband ad hoc networks with channel variations</i> Steven Weber; Jeffrey Andrews
15.00 - 15.30	Coffee break
15.30 - 16.50	Session 3. Chair: Olivier Dousse (Deutsche Telekom Laboratories, Berlin). Contributed papers (4)
	<i>On the Distance Entropy of a Data Collection Network</i> Junning Liu; Micah Adler; Don Towsley
	<i>Energy aware unicast geographic routing</i> Anthony Busson; Guillaume Chelius; Eric Fleury
	<i>Regularization Energy in Sensor Networks</i> Radha Krishna Ganti; Martin Haenggi
	<i>Facet Routing on Voronoi Tessellation: A Scalable Model for Energy Load Balancing in Large-scale Sensor Networks</i> Sung Jun Baek; Gustavo de Veciana
16.50 - 17.00	Closing remarks