



NaNoNetworking Center in Catalunya

Mòdul D6 (Campus Nord)

Jordi Girona, 1-3

08034 Barcelona

Catalunya, Spain

Third NaNoNetworking Summit

Barcelona, Campus Nord of the UPC – Sala d'Actes (Edifici Vèrtex)

<http://www.n3cat.upc.edu/n3summit2011>

Wednesday, June 22, 2011		
8:30-		Registration
9:00-9:30	Elisa Sayrol TelecomBCN Ana Pérez-Neira Universitat Politècnica de Catalunya	Welcome
9:30-10:00	Ian F. Akyildiz N3Cat	Opening
10:00-10:30	Jordi Pascual Institut Català de Nanotecnologia	The Graphene Flagship
10:30-11:00	Jesús Alonso-Zárate Centre Tecnològic de Telecomunicacions de Catalunya	The Guardian Angels Flagship
11:00-11:30		Coffee break
Session I	Chair: Josep Solé-Pareta	Electromagnetic Nanocommunications
11:30-12:00	Emre Koksal and Eylem Ekici The Ohio State University	High-rate RF nanoreceivers with CNT antennas
12:00-12:30	Julien Bourgeois and Seth Copen Goldstein University of Franche-Comté / Carnegie Mellon University	Communications in distributed intelligent MEMS
12:30-13:00	Fabio Mesiti Norwegian University of Science and Technology	Radio frequency technology for applications in neuronal degenerative diseases
13:00-14:30		Lunch
Session II	Chair: Özgür B. Akan	Molecular Communications I
14:30-15:00	Laura Galluccio, Sergio Palazzo and Giuseppe Enrico Santagati University of Catania	Modeling signal propagation in neuronal nanonetworks
15:00-15:30	Gábor Vattay Eötvös University	Neuronal communications
15:30-16:00	Vasos Vassiliou University of Cyprus	Security issues in nanoscale communication networks
16:00-		Welcome reception

Thursday, June 23, 2011		
Session III	Chair: Sasitharan Balasubraniam	Molecular Communications II
11:00-11:30	Dogu Arifler Eastern Mediterranean University	Physical and link layer modeling of molecular nano communication networks
11:30-12:00	Mauro Feminella, Luca Felicetti and Gianluca Reali University of Perugia	A simulation tool for nanoscale biological communication systems
12:00-12:30	Mark S. Leeson University of Warwick	Aspects of coding for molecular communications
12:30-13:00	Chun Tung Chou University of New South Wales	Molecular circuits for decoding frequency coded signals in nano-communication networks
13:00-14:30		Lunch
Session IV	Chair: Gabriel Abadal	Energy Harvesting Nanosystems
14:30-15:00	Riccardo Rurali ICMAB-CSIC	Graphene-based energy harvesting
15:00-15:30	Luca Gammaitoni University of Perugia	Fluctuations energy harvesting: from macro to nano
15:30-16:00	Gonzalo Murillo Universitat Autònoma de Barcelona	N/MEMS-based energy scavenging for enabling autonomous WSN shrinkage
16:00-16:30		Coffee break
Session V	Chair: Albert Cabellos	Nanodevices for Communications
16:30-17:00	Frank Koppens Institut de Ciències Fotòniques	Graphene-based nano-photonics devices
17:00-17:30	Núria Ferrer Universitat Politècnica de Catalunya	Transparent and flexible carbon nanotubes thin film network: impedance dependence on sample geometry and nanotubes density
20:30-		St. Joan DINNER and PARTY