

2011 IEEE COMMUNICATION THEORY WORKSHOP

June 20-22, 2011

Sitges, Catalonia, Spain

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CTW 2011

The workshop will be held near the beautiful beach at Sitges, Catalonia, Spain, the city well known for its Film Festival and Carnival. As always, the workshop will be single track with five technical sessions, three keynote speakers, five panel discussions, and two open poster sessions. The workshop will be followed by the well celebrated The Night of Saint John at Barcelona!

Call for Poster Presentations

The technical program committee is soliciting contributions for early-evening poster sessions devoted to recent results. We especially encourage students and junior researchers to participate. There will be no published proceedings. Any contribution in the general area of communication theory is welcome. Extended abstracts (2 pages maximum, double column, IEEE style file) for the poster session should be submitted by **Mar. 13, 2011**. Electronic submissions must be in Adobe PDF format, and of sufficient detail to permit careful reviewing. Acceptance notifications will be sent on **Apr. 29, 2011**. The advance-registration deadline is **May 20, 2011**.

Keynote Speakers

Helmut Bölcskei (ETH Zurich, Switzerland)

"The SIMO pre-log can be larger than the SISO pre-log"

Peter J. Winzer (Alcatel-Lucent Bell Labs, USA)

"Information theory and digital signal processing in optical communications"

Ian F. Akyildiz (Georgia Institute of Technology, USA)

"Nanonetworks: a new frontier in information theory"

Moe Win (Massachusetts Institute of Technology, USA)

"Network Localization"

Werner Mohr (Nokia Siemens Networks GmbH & Co. KG, Germany)

(Talk title TBD)

Invited Technical Sessions

Session 1: Security

Organizer: Aylin Yener (Pennsylvania State University, USA)

Session 2: Network and polar codes on graphs

Organizer: Raymond Yeung (Chinese University of Hong Kong)

Session 3: Interference

Organizer: organized by David Gesbert (EURECOM, France)

Session 4: Random matrix theory in communications

Organizer: Peter Smith (University of Canterbury, New Zealand)

Session 5: Green communications and the smart grid

Organizer: Anna Scaglione (University of California at Davis)

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