The Eighth International Symposium on Wireless Communication Systems
ISWCS 2011

Eurogress Aachen, Germany, November 6 - 9, 2011
URL: http://www.ti.rwth-aachen.de/iswcs2011

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Wireless Communications is at the center of a new and passionate era characterized by smart and flexible transceiver concepts, the convergence of systems and technologies, a transition towards all-IP networks and the development of technologies with a user-centric focus. In this context, the International Symposium on Wireless Communication Systems (ISWCS) is positioning itself as a recognised and dynamic forum for researchers and engineers from academia and industry to present and discuss original ideas and contributions in all fields related to mobile wireless communication systems.

The aim of this symposium is to present novel contributions in the form of tutorials, panel discussions, keynote speeches, technical papers, posters and testbed implementations. ISWCS'11 seeks to address and capture highly innovative and state-of-the-art research from academia, the wireless industry and standardization bodies. The scope of the conference includes a wide range of technical challenges encompassing wireless communications, quality of service support, wireless networking, signal processing, cross-layer air interface design, wireless broadband access and cooperative communication.

Topics of interest include but are not limited to

- Cooperative communication and relaying
- Cognitive radio
- Radio resource management
- Wireless access techniques
- Cross-layer air interface
- Information and communication theory
- Bio-inspired communications
- Signal processing, including VLSI architectures
- Estimation and detection
- Coding and modulation
- Network coding
- Compressive sensing
- MIMO communications
- Multi-carrier systems, OFDM
- Spread spectrum and UWB
- Antennas and propagation
- Self organizing networks
- Ad-hoc, mesh and sensor networks
- Mobility management and modeling
- QoS provisioning
- Wireless network architectures and technologies
- Smart grid communications
- Innovative services and applications
- Wireless privacy and security

Paper Submission Guidelines
Acceptance will be based on full papers. Accepted and registered papers will be published in the conference proceedings and IEEE Xplore. Papers must be submitted via EDAS by May 30, 2011. Submission guidelines are downloadable from the symposium web page.

Special Sessions
Proposals for special sessions should provide a 200 word summary and the details of the invited papers.

Important Dates
Submission deadline special sessions: Monday, May 2, 2011
Submission deadline full papers: Monday, May 30, 2011
Notification of acceptance: Monday, August 1, 2011
Camera-ready version due: Monday, September 12, 2011