



# Thirteenth International Symposium on Wireless Communication Systems

20–23 September 2016 | Poznań, Poland

The Thirteenth International Symposium on Wireless Communication Systems (ISWCS'16) will be held on September 20–23, 2016, in Poznań, Poland. Following over ten years of tradition, this event will bring together experts from various research and industry fields of wireless communications, as well as representatives of standardization and regulatory bodies. In that context we foresee focusing on highly-innovative and state-of-the-art contributions in the form of original technical papers, demos or products and achievements shown at the accompanying exhibition. As one of the leading European events in the field of wireless communications and networking, ISWCS 2016 is technically co-sponsored by IEEE ComSoc, IEEE VTS and EURASIP.

#### Steering committee:

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#### Workshops Chair:

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#### Special Sessions Chair:

Jordi Perez-Romero, UPC, Spain

#### Panel chair

Hans Schotten, UKL, Germany

#### TRACK 1: COMMUNICATION THEORY, SIGNAL PROCESSING, INFORMATION THEORY, ANTENNAS AND PROPAGATION

- Advanced Multicarrier waveforms: beyond OFDM and filterbank-based schemes
- MIMO and multi-antenna communications
- Multiuser, network, massive and distributed MIMO systems
- Cooperative communications and relaying
- Space-time coding and processing
- Interference alignment techniques
- Communication with feedback
- Precoding and scheduling
- Wireless Communications Powered by Energy Harvesting and Wireless Power Transfer
- Spread spectrum systems: UWB, CDMA
- Information theory
- Green communications and energy efficiency
- Small cells and heterogeneous networks
- Cognitive radio
- Error control coding including turbo codes, LDPC and iterative decoding
- Adaptive modulation and coding
- Network coding
- Detection, equalization, synchronization, estimation
- Performance analysis, field tests and measurements
- Cross-layer air interface design
- Multiple access techniques
- Resource allocation and interference management
- Satellite and high altitude platforms
- Antennas and propagation
- Localization techniques
- Concepts for 5G and future PMR/PPDR broadband systems
- Physical layer security
- Radio over fiber techniques

#### TRACK 2: NETWORKING, PROTOCOLS, COGNITIVE RADIO, WIRELESS SENSOR NETWORKS, SERVICES AND APPLICATIONS

- Ad-hoc and mesh networks
- Cognitive radio networking
- Green networking
- Energy harvesting
- Mobile Internet
- Heterogeneous and small cell networks
- MANETs
- Vehicular Networks (VANETs)
- Wireless sensor networks
- Machine-to-machine communications
- MAC protocols
- Self-organisation
- Radio resource management and interference control
- Cross layer design
- Wireless routing techniques
- Mobility management
- End-to-End QoS and QoS provisioning
- Traffic control and engineering
- Wireless privacy and security
- Multimedia systems
- Innovative services and applications
- Implementation concepts and testbeds
- Homeland security and military communications
- Device-to-Device (D2D) Communication
- ICT applications in smart cities and smart grid
- Delay tolerant networks
- Software defined networking
- Cloud-based networking techniques (mobile cloud computing, Cloud-RAN)
- Network virtualization
- Networking techniques for mmWave, MIMO, and massive-MIMO
- Machine-to-machine communications and applications

#### Important dates:

Special session and workshop proposals:  
Friday, April 1, 2016

#### Regular paper submission:

Wednesday, May 4, 2016  
Paper submission (workshops):  
Wednesday, May 18, 2016

#### Acceptance notification:

Friday, June 17, 2016  
Acceptance notification (workshops):  
Friday, July 1, 2016

The papers accepted and presented at regular sessions, special sessions and workshops will be published in the conference proceedings and submitted to IEEE Xplore, as well as other abstracting and indexing databases

