CALL FOR PAPERS: Paper submission deadline – April 17, 2015

The Twelfth International Symposium on Wireless Communication Systems will be held August 25–28, 2015, in Brussels, Belgium. The aim of this symposium is to offer an opportunity for members of the research and industry community to present new ideas and contributions about wireless communications systems. ISWS 2015 will feature a comprehensive technical program including world-class plenary speakers, tutorials, oral and poster technical sessions, workshops, and exhibitions. ISWS 2015 is technically co-sponsored by IEEE COMSOC, IEEE VTS and EURASIP.

The following keynote speakers have confirmed their participation:

- **Prof. Erik G. Larsson**, Linkoping U., Sweden: «Massive MIMO: Myths and Realities»
- **Prof. François Baccelli**, UT Austin, USA: «Wireless Networks, Information Theory and Stochastic Geometry»
- **Prof. David Gesbert**, EURECOM, France: «Cooperating Devices in Decentralized Wireless Networks»
- **Prof. Michael C. Gastpar**, EPFL, Switzerland: «Information-Theoretic Limits of Caching»

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**THE TOPICS OF INTEREST INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:**

**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
- MUltisensor, network, massive and distributed MIMO systems
- Cooperative communications and relaying
- Space-time coding and processing
- Interference alignment techniques
- Communication with feedback
- Preceding 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
- Wireless channel modelling
- Over-the-air testing
- Millimeter wave and visible light communications

**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
- Vehicle 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

**SUBMISSION OF PAPERS:**
Prospective authors are invited to submit full-length papers, with up to five pages for technical content including figures and references.

**IMPORTANT DATES FOR REGULAR PAPERS:**

- **Paper submission:**
  Friday April 17, 2015

- **Acceptance notification:**
  Friday May 22, 2015

- **Final papers & author registration:**
  Friday June 12, 2015

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

**www.iswcs2015.org**