ISWCS'10

The Seventh International Symposium on
Wireless Communication Systems

ISWCS'10

York, The University of York, United Kingdom
September 19-22, 2010

http://www.iswcs.org/iswcs2010

"Pervasive and Green Communications for the Future"

The aim of this symposium is to provide a forum for researchers and technologists to present new ideas and contributions in the form of technical papers, panel discussions as well as real-world evaluation of many ideas in wireless communications, networking and signal processing employed to support the needs of the Information Society. This seventh symposium will bring together various wireless communication systems developers to discuss the current status, technical challenges, standards, fundamental issues, and future services and applications. ISWCS'10 seeks to address and capture highly-innovative and state-of-the-art research from academia the wireless industry as well as standardization advances. 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 for improved performance, wireless broadband access, and cooperative networking. The topics of interest include but are not limited to the following:

* Cognitive radio
* Mobile Internet
* Wireless privacy and security
* Wireless IP
* Wireless network architectures and technologies
* Standardization in working groups: IEEE 802.11, 802.15, and 802.16, MANETs
* Vehicular Networks (VANETs)
* End-to-End QoS provision
* Novel wireless routing techniques
* Mobility management
* RFID networking
* Traffic control and engineering
* Wireless mesh networking
* Wireless sensor networks
* Innovative services and applications
* MIMO systems
* Underwater Communications

* Spread spectrum systems: UWB, CDMA
* Multicarrier systems: OFDM, MC-CDMA
* Precoding, scheduling, limited feedback
* Space-time coding and processing
* Adaptive and array signal processing
* Equalization, synchronization, channel estimation
* Turbo codes, LDPC and iterative decoding
* Detection and estimation algorithms
* Adaptive modulation and coding
* Cooperative communications, relaying
* Network coding
* Cross-layer air interface design
* Wireless access techniques
* DVB and DAB techniques
* Radio resource management
* Satellite and high altitude platforms
* Antennas and Propagation
* Multimedia Systems

Paper Submission Guidelines

Acceptance will be based on an extended abstract or a full paper. In case of an extended abstract submission, diagrams, results, and bibliography have to be provided to allow the reviewers to assess the contribution of your work. All accepted and registered papers included in the final programme will appear in the IEEE Xplore database. In addition to the paper submission, an abstract (approx. 100 words) shall be submitted. The submission has to be performed electronically by April 30, 2010 via the Trackchair system; look at the instructions on the conference web site: http://www.iswcs.org/iswcs2010/. For information, please send email to the organization: iswcs2010@elec.york.ac.uk.

Special Sessions

Proposals for special sessions should provide a 200 word summary plus the details of the invited papers; special sessions submissions should be made via email to yz1@york.ac.uk by April 5, 2010.

Tutorials

Proposals for tutorials should consist of a 1000 word summary plus a 150 word abstract with a cover page listing the details of the author(s); tutorial submissions should be made via email to iswcs2010@elec.york.ac.uk by April 22, 2010.

Important Dates

Submission deadline (special sessions): April 5, 2010
Submission deadline (tutorials): April 22, 2010
Submission deadline (papers): April 30, 2010
Notification of acceptance: June 8, 2010
Camera-ready version of accepted papers: July 6, 2010

Organising Committee

General Chairs
Paul D. Mitchell and
Rodrigo C. de Lamare
The University of York, UK

General co-Chairs
Yuming Jiang
Norwegian University of Science and Technology (NTNU), Norway
Giovanni Giambene
University of Siena, Italy

Technical Program Chairs
Martin Haardt
TU Ilmenau, Germany
Honggang Zhang
Zhejiang University, China

Technical Program co-Chair
Rajeev Shorey
NIIT, India

Finance Chair
David Grace
The University of York, UK

Panel Chair
Tim Tozer
The University of York, UK

Tutorial Chair
Alister Burr
The University of York, UK

Special Sessions Chair
Yuriy Zakharov
The University of York, UK

Industrial Liaison Chair
John Thornton
The University of York, UK

Publicity Chair
Rudolf Mathar
RWTH Aachen University, Germany

Publication Chair
Didier Le Ruyet
CNAM, France

Web Chair
Andy Greensted
The University of York, UK

Steering Committee
Boon Sain Yeo (Chair)
SensiMesh Pte Ltd, Singapore

Local Arrangements Chair
Tim Clarke
The University of York, UK

Conference Secretariat
Camilla Danese
The University of York, UK

VTS
Connecting the Mobile World

IEEE