

IWSSIP 2012

Vienna, Austria, 11-13 April
INTERNATIONAL CONFERENCE ON SYSTEMS, SIGNALS AND IMAGE PROCESSING

The 19th International Conference on Systems, Signals and Image Processing, IWSSIP 2012, will take place in the city of Vienna, Austria from April 11 to April 13, 2012 and will be hosted by the Vienna University of Technology (<http://www.tuwien.ac.at/EN/>).

IWSSIP (<http://www.iwssip.org/>) is an international conference on theoretical, experimental, and applied signal processing techniques. IWSSIP brings together researchers and developers from both academia and industry to report on the latest scientific and theoretical advances to discuss and debate major issues and to demonstrate state-of-the-art systems. The proceedings of IWSSIP 2012 will be published in IEEE Xplore. More details can be found on <http://www.iwssip2012.com/>.

Areas of Interest

The program includes keynote and special lectures presented by eminent experts in the field, peer reviewed contributed papers, posters, and special sessions about but not limited to the following topics:

Wireless Communications

- MIMO and multi-antenna communications
- Multi-user MIMO
- Cooperative transmission and reception
- Next generation mobile networks
- LTE, WiMAX, and other emerging broadband wireless networks
- Wireless sensor network systems
- Cognitive Radio

Multimedia

- Multimedia services in NGN
- Multimedia data compression
- Multimedia human-machine interface and interaction
- Multimedia content processing and content description
- Multimedia signal processing
- Multimedia communications, networking, services and applications
- Multimedia systems and services

Security

- Watermarking and encryption
- Trust and security systems

Submission

Prospective authors are invited to submit full-length, four-pages long papers (including figures and references) of novel research material. Papers must be submitted electronically by October 15, 2011 using EDAS. Each paper will be reviewed by at least two independent reviewers and evaluated based on its originality, significance, and clarity.

Important Deadlines

- September 15, 2011* - Proposals for tutorials and special sessions
- October 15, 2011* - Electronic submission of papers
- December 15, 2011* - Notification of acceptance
- January 31, 2012* - Submission of camera-ready papers

- Information and network security
- Authentication protocols and services

Image and Video Processing

- Image and video processing and coding
- Medical imaging and image analysis
- Video streaming and video conferencing

Signal Processing

- Signal processing and systems
- Speech and audio processing
- Signal detection and estimation
- Signal processing for communications
- Design and implementation of signal processing systems
- Signal processing education
- Bioinformatics
- Neural Networks and
- Fuzzy Systems
- Genetic Algorithms

Networks

- Multicast & broadcast for IPTV
- DVB and IPTV technologies
- IMS based NGN architecture, services and protocols

General Chair

Markus Rupp
Vienna University of Technology
Christoph Mecklenbräuer
Vienna University of Technology

Int. Program Committee

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