IWSSIP 2020
NITERÓI - RJ

THE 27TH INTERNATIONAL CONFERENCE ON SYSTEMS, SIGNALS AND IMAGE PROCESSING

JUNE 3 - 5

The 27th International Conference on Systems, Signals and Image Processing, IWSSIP 2020 will be held in Niteroi, Rio de Janeiro, Brazil, from June 3 to June 5, 2020 and hosted by the Computer Institute-IC, of Federal Fluminense University-UFF.

IWSSIP is an international conference on theoretical, experimental and applied signal processing.

IWSSIP brings together researchers and developers from both academia and industry to report on the latest scientific and theoretical advances, to discuss major issues and to demonstrate state-of-the-art. IWSSIP 2020 will follow the successful events previously held in Osijek, Budapest, Manchester, Poznan, Zagreb, Bratislava, Maribor, Bucharest, Prague, Chalkida, Rio de Janeiro, Sarajevo, Vienna, Dubrovnik and London.

Topics of interest

The program includes keynote and special lectures presented by eminent experts in the field, peer reviewed papers and invited sessions about but no limited to the following topics:

Signal Processing
- Signal estimation & detection
- Feature extraction
- Filtering
- Transformations

Image and Video Processing
- Coding
- Quality enhancement & evaluation
- Scene analysis
- Object localization & recognition
- Texture detection & extraction
- Medical image processing
- Image and video processing for autonomous driving

Speech and Audio Processing
- Coding
- Enhancement
- Speech recognition
- Speaker identification & verification
- Speech synthesis

Machine learning
- Neural networks
- Support vector machines
- Evolutionary algorithms
- Classification theory and methodology
- Data mining

Human Machine Interface
- Speech processing for HMI
- 2D and 3D Face recognition
- Gesture navigation
- Brain control interface

Wireless Communications
- MIMO & multi-antenna communications
- Cooperative transmission & reception
- Next generation mobile networks
- Wireless sensor network systems
- Cognitive radio

Security
- Watermarking & encryption
- Information & network security
- Authentication protocols & services

Multimedia
- Multimedia content processing
- Multimedia signal processing
- Multimedia communications
- Multimedia systems & services

Network
- Multicast and broadcast for IPTV, DVB & IPTV technologies
- IMS based NGN architecture, services & protocols
- Content delivery networks
- Software defined networks
- Network function virtualization

Modern ICT in E-learning
- Online and virtual labs
- Effective teaching and learning
- Immersive technologies and online applications for online education

Paper submission and publication

Prospective authors are invited to submit full papers (maximum six pages including figures and references) of novel research material. Papers must be submitted electronically by February 16, 2020 using Easy Chair. Each paper will be blind reviewed by at least two independent reviewers and evaluated with special attention to its originality, significance and clarity. As in the previous years, all accepted papers will be submitted to IEEE Xplore. All accepted papers will be published in Proceedings that will be available at the conference. Outstanding, extended and enhanced versions of selected papers will be published in scientific journal indexed in Web of Science and Scopus.

IMPORTANT DATES

Full paper | February 16, 2020
Notification of Acceptance | April 5, 2020
Camera ready paper | April 15, 2020
Early registration | April 19, 2020
Registration deadline | May 1, 2020

Honorary Chair
Branka ZOVOKO-CIHLAR

General chairs
Aura CONCI

Publication Co-chair
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Erick S. DELVIZIO
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Full details of submission procedures are available at: http://iwssip2020.ic.uff.br