The 27th International Conference on Systems, Signals and Image Processing, IWSSIP 2020 will be held in Niterói, 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.

**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-CIHLLAR

**General chairs**
Aura CONCI

**Publication Co-chair**
Anselmo C. PAIVA
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Full details of submission procedures are available at: http://iwSSIP2020.ic.uff.br