The 29th International Conference on Systems, Signals and Image Processing, IWSSIP 2022 will be held in Sofia, the capital of the Bulgaria, from June 1 to June 3, 2022 and hosted by the Technical University of Sofia.

IWSSIP 2022 is technically co-sponsored by IEEE - Conference record: #55020

https://conferences.ieee.org/conferences_events/conferences/conferencedetails/55020

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. IWSSIP 2022 will follow the successful events previously held in Bratislava, Niteroi/Rio de Janeiro, Osijek, Budapest, Manchester, Poznan, Zagreb, Bratislava, Maribor, Bucharest, Prague, Chalkida, Rio de Janeiro, Sarajevo, Vienna, Dubrovnik, and London. Now IWSSIP is calling for papers about but not limited to the listed topics.

**Topics of Interest**

### Signal Processing
- Signal estimation and detection
- Signal enhancement
- Feature extraction
- Filtering
- Transformations

### Image and Video Processing
- Coding
- Enhancement
- Scene analysis
- Object localization & recognition
- Texture detection & extraction
- Medical image processing

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

### Multimedia
- Multimedia content processing and content description
- Multimedia signal processing
- Multimedia communications, networking, services and applications
- Multimedia systems and services

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

### Machine Learning
- Neural networks
- Support Vector machines
- Evolutionary algorithms
- Classification theory & methods
- Data mining

### Security
- Watermarking and encryption
- Information and network security
- Security protocols and services

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

### Wireless Communications
- MIMO and multi-antenna communications
- Cooperative transmission and reception
- Next generation mobile networks
- Broadband wireless networks
- Wireless sensor network systems
- Cognitive radio

### Modern ICT in e-learning
- Online and virtual labs
- Effective teaching and learning
- Immersive technologies and online applications for effective learning

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**Important Deadlines**

- Special Session Proposal | January 31, 2022
- Full paper | March 31, 2022
- Notification of Acceptance | April 30, 2022
- Camera ready paper | May 15, 2022
- Early registration | April 26 – May 7, 2022
- Registration deadline | May 19, 2022
- Conference Days | June 1—3, 2022

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**Paper Submission & Publication**

Prospective authors are invited to submit regular papers (maximum 4 pages including figures and references) and invited papers (maximum 8 pages including figures and references) in IEEE format of novel research material. Papers must be submitted electronically by February 28, 2022. Each paper will be blind reviewed by at least two independent reviewers and evaluated with special attention to its originality, significance and clarity.

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**Registration**

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