



**IWSSIP 2022**  
SOFIA, BULGARIA

**June 1—3, 2022**



## CALL FOR PAPERS

# International Conference on Systems, Signals and Image Processing 2022

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](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.

IWSSIP 2022 is organized by Technical University of Sofia In co-operation with:

IEEE Bulgarian Section

IEEE CAS/SSC Jt Bulgarian Chapter

### Important Deadlines

Special Session Proposal | January 31, 2022

Full paper | February 28, 2022

Notification of Acceptance | April 01, 2022

Camera ready paper | April 15, 2022

Early registration | April 26 – May 7, 2022

Registration deadline | May 19, 2022

Conference Days | June 1—3, 2022

### 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.

### Contact

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For more information about the terms of attendance and fees please visit [iwssip.bg](http://iwssip.bg)

### Registration

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### 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

### Partners



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