



The 2023 IEEE 24th International Workshop on Signal Processing Advances in Wireless Communications

Shanghai, China, September 25-28, 2023
<http://2023.ieeespawc.org/>

For its 24th edition, the IEEE International Workshop on Signal Processing Advances in Wireless Communications (SPAWC) 2023 will be held in Shanghai, China. As a flagship workshop of the IEEE SP Society SPCOM technical committee, SPAWC 2023 will exhibit a technical program with high profile plenaries, special sessions, industrial panels, invited and contributed papers.

Call for Papers

SPAWC 2023 invites original contributions in the following (but not limited to) areas:

- MIMO systems (massive-, multiuser-, cooperative, coordinated, cell-free, IAB, etc.)
- Machine learning for wireless communications and networking
- Cooperative communication
- Resource allocation
- Sparse signal processing for wireless communications
- Millimeter-wave and terahertz communications
- Integrated communications and sensing
- Reconfigurable intelligent surfaces (RIS)
- Full duplex systems
- Cognitive radio and networks
- Cooperative, compressed, and sparse sensing
- Machine-to-machine, device-to-device communications
- Modeling, estimation and equalization of wireless channels
- Acquisition, synchronization, localization and tracking
- Signal processing for optical, satellite, and underwater communications
- Energy efficiency and energy harvesting
- Distributed signal processing and uncoordinated access
- Internet of things
- Information freshness / age of information
- Cache-aided communications
- Broadband, ultra-reliable, and low latency solutions towards 6G
- Digital front-end signal processing in radio transceivers
- Experimental setups

All invited and regular papers, with up to 5 pages of technical content (including references), will be published through IEEE Xplore.

Papers will be submitted via CMS.

Submit Paper: <http://2023.ieeespawc.org/>

Call for Special Sessions

The program for SPAWC 2023 will include Special Sessions which complement the regular program with new and emerging topics of interest to the signal processing community. Please refer to the conference webpage for information about Special Session proposals.

Please submit the proposal via google form <https://forms.gle/8i5AHJCo8WHvu8WA9>

Questions regarding special sessions should be addressed to **Tianyi Chen** (chentianyi19@gmail.com)

Important Dates

Special Session Proposals Due
February 12, 2023

Decisions for Special Sessions
February 19, 2023

Paper Submissions Due
April 30, 2023

Acceptance Notification
June 18, 2023

Author Registration Deadline
June 30, 2023

Final Paper Submission Deadline
June 30, 2023

Organizing Committee

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