

2025

SPAWC



IEEE
Signal
Processing
Society™

IEEE 26th International Workshop on Signal Processing and Artificial Intelligence for Wireless Communications

7-10 July 2025, Surrey, UK

Call for Papers

The IEEE SPAWC 2025 solicits papers that are devoted to advances in signal processing and artificial intelligence for wireless communications, networking, and information theory. Papers on both traditional research topics and emerging areas are encouraged to be submitted. Topics include, but not limited to:

- Physical-layer security and privacy
- Machine learning and data analytics
- 5G and beyond
- Biological communications and signal processing
- Reliable wireless communications for autonomous vehicles
- Smart antennas, MIMO systems, massive MIMO, and space-time processing
- Cooperative communication, coordinated multipoint transmission and reception
- Signal processing for ad-hoc, multi-hop, and sensor networks
- Convex and non-convex optimization; game theory for communications
- Distributed resource allocation and scheduling
- Millimetre wave, 60 GHz communications
- Heterogeneous networks, small cells
- Cognitive radio and networks
- Full duplex systems
- Machine-to-machine, device-to-device communications
- Cooperative sensing, compressed sensing, sparse signal processing
- Acquisition, synchronization, localization and tracking
- Modelling, estimation and equalization of wireless channels
- Signal processing for optical, satellite, and underwater communications
- Low latency & delay-limited communications
- Energy efficiency and energy harvesting

Important Dates

Special Session Proposals:	15 Jan 2025
Decisions for Special Sessions:	31 Jan 2025
Paper Submission Due:	15 Mar 2025
Acceptance Notification:	01 May 2025
Final Submission Due:	15 May 2025
Author Registration Due:	15 Jun 2025

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