



SPAWC

LUCCA.ITALY.2024

25th IEEE INTERNATIONAL WORKSHOP ON SIGNAL
PROCESSING ADVANCES IN WIRELESS COMMUNICATIONS

September 10 - 13, 2024

www.spawc2024.org

SPAWC 2024

Lucca, Italy
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SPAWC 2024 invites original contributions in the following (but not limited to) areas:

- MIMO systems (massive-, multi user-, cell-free, ...)
- Machine learning for wireless communications and networking
- Cooperative communication
- Resource allocation
- Sparse signal processing for wireless communications
- Millimeter wave and terahertz communications
- 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
- Cache-aided communications
- Broadband, ultra-reliable, and low latency solutions for 5G and beyond
- Experimental setups

Organizing committee

General Chair

Luca Sanguinetti, *University of Pisa, Italy*

Technical Program Co-Chairs

Emil Björnson, *KTH Royal Institute of Technology, Sweden*
Osvaldo Simeone, *King's College London, UK*

Tutorial Co-Chairs

Elza Erkip, *New York University, USA*
Tara Javidi, *University of California San Diego, USA*

SPAWC Talks Chair

Angel Lozano, *Universitat Pompeu Fabra, Spain*

Special Session Co-Chairs

Martina Cardone, *University of Minnesota, USA*
Marwa Chafii, *NYU Abu Dhabi, UAE*
Özlem T. Demir, *TOBB University of Economics and Technology, Turkey*

Financial Chair

Giacomo Bacci, *University of Pisa, Italy*

Publicity Chair

Nikolaos Kolomvakis, *KTH Royal Institute of Technology, Sweden*

The 25th IEEE International Workshop on Signal Processing Advances in Wireless Communications (SPAWC), will be held in Lucca, Tuscany, Italy, on September 10-13, 2024. A flagship workshop of the IEEE SP Society SPCOM technical committee, SPAWC 2024 will combine cutting edge research in the fields of signal processing, communication theory, information theory, statistical learning, wireless networking and more.

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

Structure of the Technical Program

The technical program will follow the successful style of SPAWC, with morning and afternoon keynote talks, and poster sessions in between. Tutorials will be held on September 10, 2024. In addition to keynotes, the program will feature several SPAWC Talks given by leaders in both academia and industry. While each keynote will provide an introduction and overview of a topic, in a style that suits all the attendees, the SPAWC talks disseminate the latest developments in the same topic area as the keynotes.

Special Session Proposals

Call-for-Special-Sessions on hot topics in the society will be published. Special session proposals should include title, rationale, session outline, contact information, and a list of up to 7 invited papers. Proposals should be sent in PDF format to specialsessions@spawc2024.org



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Important Dates

- Special Session Proposals Due January 19, 2024
- Decisions for Special Sessions January 31, 2024
- Paper Submissions Due April 26, 2024 (firm)
- Acceptance Notification July 1, 2024
- Revised Paper Upload Deadline July 12, 2024
- Author Registration Deadline July 12, 2024

