



IEEE
Signal Processing Society

The 20th IEEE International Workshop on
Signal Processing Advances in Wireless Communications
July 2-5, 2019 // Cannes, France
www.spawc2019.org

For its 20th year edition, the IEEE International Workshop on Signal Processing Advances in Wireless Communications (SPAWC) 2019, returns to the country that saw its birth, France. Held in Cannes, in the heart of the world renowned "French Riviera" (Côte d'Azur in French), the SPAWC 2019 will exhibit a technical program complete with high profile plenaries, including **Petar Popovski**, **Rui Zhang**, **Reinaldo A. Valenzuela**, **Yonina Eldar** and **Nikos Sidiropoulos**, special sessions, invited and contributed papers.

Call for Papers

SPAWC 2019 invites original contributions in the following (but not limited to) areas:

- x-MIMO systems (massive-, multi user-, network- etc.)
- Machine learning for wireless
- Cooperative communication
- Resource allocation
- Convex and non-convex optimization
- Game theory for wireless
- Sparse signal processing for wireless
- Millimeter wave 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
- Uncoordinated access
- Internet of things (including vehicles)
- Cache-aided communication
- Physical-layer security
- Broadband, ultra reliable, and low latency solutions for 5G and beyond
- 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 EDAS.

Call for Special Sessions

The program for SPAWC 2019 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 Sessions proposals.

Important Dates (Tentative)

December 4, 2018

Special Session Proposals

December 28, 2018

Decisions Due for Special Sessions

February 19, 2019

Paper Submission

April 30, 2019

Paper Decisions Due

May 14, 2019

Camera-Ready Papers Due

May 14, 2019

Registration Deadline for Authors

Organizing Committee

General Chair

David Gesbert

Technical Program Chairs

Florian Kaltenberger

Laura Cottatellucci

Other Members

Paul de Kerret, *Finance*

Antti Tölli, *Special Sessions*

Bruno Clerckx, *Special Sessions*

Philippe Ciblat, *Sponsors*

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For more information about SPAWC 2019 – www.spawc2019.org