



ISWCS 2020

17th International Symposium on Wireless Communications Systems

31 August to
03 September, 2020
Berlin, Germany

General Chairs:

Slawomir Stańczak, TU Berlin & Fraunhofer HHI, Germany
Eduard A. Jorswieck, TU Braunschweig, Germany

General Co-Chairs:

Hirley Alves, 6G Flagship, University of Oulu, Finland
Faouzi Bader, CentraleSupélec, Rennes, France

Steering Committee:

Yuming Jiang, NTNU, Norway
Boon Sain Yeo, SensiMesh, Singapore
Carlos Faouzi Bader, Supélec, France
Rodrigo C. de Lamare, U. York, UK, and PUC-Rio, Brazil
Didier Le Ruyet, Le CNAM, France

Technical Program Chair:

Petar Popovski, Aalborg University, Denmark

Technical Program Co-Chairs:

Anke Schmeink, RWTH Aachen, Germany
Paul Patras, University of Edinburgh, United Kingdom
Jakob Hoydis, Bell Labs, Paris, France

Special Sessions Chairs:

Tobias Öchtering, KTH Stockholm, Sweden
James Gross, KTH Stockholm, Sweden

Tutorials Chairs:

Peter Jung, TU Berlin, Germany
Masahiro Yukawa, Keio University, Japan
Renato L. G. Cavalcante, Fraunhofer HHI, Germany

Workshops Chairs:

Leonardo Badia, Università degli Studi di Padova, Italy
Gerhard Wunder, FU Berlin, Germany

Publications Chairs:

Pin-Hsun Lin, TU Braunschweig, Germany
Bho Matthiesen, TU Dresden, Germany

Website and Publicity Chairs:

Navneet Agrawal, TU Berlin, Germany
Matthias Frey, TU Berlin, Germany

Liaison Chairs:

Asia: Tadashi Matsumoto, JAIST, Japan
South America: Lukas Landau, PUC Rio, Brazil

Important Dates

Full paper submission: April 06, 2020

Tutorial submission: March 06, 2020
Acceptance notification: June 01, 2020
Camera-ready paper: June 29, 2020

Conference: Aug. 31 – Sept. 03, 2020

Submissions: <https://edas.info/N26715>

Call for Papers

The aim of this symposium is to provide a forum for researchers and technologists to present new ideas and contributions in the form of technical papers, panel discussions, as well as real-world evaluation in the field of wireless communications, networking and signal processing. This 17th symposium will bring together various wireless communication systems developers to discuss the current status, technical challenges, standards, fundamental issues, and future services and applications.

Topics of Interest

5G wireless systems and beyond, Information- and communication-theoretic analysis of wireless systems, Energy efficiency of wireless communications and networks, Backscatter communication, energy harvesting, and wirelessly powered communication, Smart-grid communications, Millimeter Wave Communication Theory, Sub-Terahertz Communication Theory, Spectrum sensing, sharing, learning and prediction, Duplexing, full-duplex and two-way wireless communication, Massive MIMO, holographic MIMO, very large aperture arrays, and cell-free network architectures, Non-orthogonal transmission methods for multi-user systems (NOMA, rate splitting), Visible light communication, Smart meta surfaces, Satellite and space communications, Quantum communications, Molecular communications, Physical layer security, Private communications and computations, UAV-communication and UAV-assisted wireless networks, Massive Internet of Things (IoT) communication, cellular and low-power wide area networks, smart cities, Ultra-reliable Low Latency Communication (URLLC), Vehicle-to-Everything (V2X) ecosystems, Network programmability and network slicing, Resource allocation, Machine Learning at the PHY and MAC Layer, Computing and machine learning for wireless network optimization, Wireless network architecture to support distributed learning, Cloud, fog, and edge network architectures, Positioning, localization, and radar, Testbeds, measurements, and analytics.

Submission Guidelines

Prospective authors are invited to submit high-quality original technical papers (max 6 pages) for presentation at the conference and publication in the ISWCS 2020 Proceedings and IEEE Xplore (pending approval).

All papers should be submitted via EDAS, using standard IEEE conference templates.

The link for submission is <https://edas.info/N26715>

