



The Asia-Pacific Conference (APCC) is an annual event bringing together exceptional researchers and cutting-edge innovators from industries and academics around the world. The 28th Asia-Pacific Conference on Communications (APCC) will be held in Sydney, Australia from the 19th to the 22nd of November, 2023 and hosted by Western Sydney University, <https://www.westernsydney.edu.au/>. The theme of this year's conference is "Sustainable and Resilient Communications for Innovation". In addition to high-quality technical sessions, the conference will feature exciting keynotes, tutorials and workshops. It will also offer a fantastic social program. In addition to high-quality technical sessions, the symposium will feature exciting keynotes, tutorials and workshops. It will also offer a fantastic social program.

TECHNICAL PROGRAM

The conference program will run for four days with the regular tracks, special sessions, tutorials and workshops. For the tracks and special sessions, we invite you to contribute your original work on topics in the following, but not limited to, areas:

Signal Processing for Communications

- ◆ Massive MIMO signal processing
- ◆ Non-Orthogonal Multiple Access (NOMA) signal processing
- ◆ 6G wireless communication signal processing
- ◆ Visible light communication (VLC) signal processing
- ◆ Cognitive radio network signal processing
- ◆ Secure communication signal processing
- ◆ Edge computing signal processing
- ◆ Green communication signal processing
- ◆ Internet of Things (IoT) network signal processing
- ◆ Underwater communication signal processing

Wireless Networks

- ◆ Machine learning and artificial intelligence for wireless networks
- ◆ Multi-access edge computing (MEC) for 5G and beyond
- ◆ Blockchain for secure and decentralized wireless networks
- ◆ Intelligent transport systems (ITS) and vehicular networks
- ◆ Network function virtualization (NFV) and software-defined networking (SDN) for wireless networks
- ◆ Smart grid communications and power control
- ◆ 6G wireless networks and beyond
- ◆ Wireless network slicing for network customization and service differentiation
- ◆ Social network analysis for wireless network optimization
- ◆ Green wireless networks and sustainable communication technologies.

SUBMISSION & POLICIES

Submitted papers (for both regular and special sessions) are subject to a blind reviewed process handled by an international technical program committee. An author of an accepted paper must register at full rate (member or non-member of the IEEE) prior to uploading the camera-ready version. The maximum length of the camera-ready version is 6 pages without incurring additional page charges (maximum 1 additional page with over length page charge of USD 100 if accepted). Papers exceeding 10 pages will not be accepted at EDAS. Conference proceedings that meet IEEE quality review standards may be eligible for inclusion in the IEEE Xplore Digital Library. The IEEE reserves the right to exclude a paper from distribution after the conference (e.g., removal from IEEE Xplore) if the paper is not presented at the conference.

Paper submission on EDAS: <https://edas.info/N30676>

COMMITTEE

Honorary Co-chairs

Daehyoung Hong, Sogang University, Korea (ASC Chair, 2017-2018)

Technical Program Chairs

Chung G. Kang, Korea University, Korea

Vo Nguyen Quoc Bao, PTT, Vietnam

Local Organizing Chair

Khoa Le, Western Sydney University, Australia

Wireless Communications

- ◆ Unmanned aerial vehicle (UAV) communication networks
- ◆ Internet of Things (IoT) networks for industry 4.0
- ◆ Intelligent reflecting surfaces for wireless communications
- ◆ Low-latency communication for industrial automation
- ◆ Spectrum sharing and coexistence in heterogeneous networks
- ◆ Privacy and security in wireless communications
- ◆ Hybrid communication networks for smart cities
- ◆ Visible light communication (VLC) for intelligent transportation systems (ITS)
- ◆ Ultra-reliable low-latency communication (URLLC) for mission-critical applications
- ◆ Wireless charging and energy harvesting for IoT devices

Emerging Technologies, Applications, and Services Track

- ◆ Internet of Things (IoT) and smart cities
- ◆ Artificial intelligence (AI) and machine learning (ML) for emerging technologies
- ◆ Blockchain and distributed ledger technologies (DLT)
- ◆ Edge and fog computing for emerging applications and services
- ◆ Cloud computing and services for emerging technologies
- ◆ Cybersecurity and privacy for emerging technologies and applications
- ◆ Quantum computing and cryptography
- ◆ Augmented reality (AR) and virtual reality (VR) for emerging applications and services
- ◆ Big data and analytics for emerging technologies and services
- ◆ Human-computer interaction (HCI) and user experience (UX) for emerging technologies and services.

IMPORTANT DATES

Regular/special paper submission:

Manuscript submission:	July 30, 2023
Notification of acceptance:	August 30, 2023
Camera-ready submission:	September 15, 2023

Proposal submission:

Special sessions:	June 30, 2023
Tutorials:	August 30, 2023

Steering Co-chairs

Tomoaki Ohtsuki (Keio University, Japan)

Chung (Chris) G. Kang (Korea University, Korea)

Xiaofeng Tao (Beijing University of Posts and Telecommunications, China)

General Chairs

Mike Kagioglou, Western Sydney University, Australia

Yang Xiang, Western Sydney University, Australia