

CALL FOR PAPERS

The 2021 Asia Pacific Microwave Conference (APMC 2021) will be held in Brisbane, Australia, from the 28th of November to 1st of December 2021 (dates fixed and confirmed). The organising committee is monitoring the COVID-19 situation and will consider hybrid or online format if required.

APMC2021 is organised by the Australian Chapters of the IEEE MTT-Society and sponsored by the IEEE MTT Society. Papers submitted to APMC2021 will be peer reviewed. The conference will cover the entire scope of microwave engineering, including RF/microwave, antennas & propagation and EMC/EMI. Prospective authors are invited to submit original papers on their latest research results. All papers presented at the conference will be submitted to IEEE Xplore for publication. Proposals for special sessions, workshops and tutorials are also solicited.

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CONFERENCE TOPICS

Active Devices and Circuits

Low-noise devices and circuits, high-power devices and circuits, wide band-gap devices, active device modelling and simulations, microwave tubes, control circuits (mixer, oscillator, switch, etc.), MMICs, RFICs, millimeter and terahertz wave devices and circuits, graphene devices, rectennas, and others.

Passive Components

Multi-band, broadband, tunable, and reconfigurable filters, resonators, directional couplers and hybrids, waveguides and transmission lines, passive device modelling and simulations, ferrite and SAW devices, RF MEMS, LTCC devices, packaging, metamaterials and EBG structures, and others.

Antennas and Wireless

Scattering and propagation, EM field theory, DOA estimation, antenna theory and design, millimeter-wave/terahertz and optical antennas, small antennas, broadband and multi-band antennas, MIMO antennas, active adaptive and smart antennas, antenna measurements, reconfigurable antennas, and others.

Systems

5G systems and beyond, wireless and cellular communication systems, high-speed and broadband millimeter and terahertz wave systems, MIMO systems, microwave photonics, radar and sensor systems, autonomous driving systems, IoT/M2M/RFID systems, wearable devices and systems, security and health monitoring systems, wireless power transfer system, energy harvesting devices and systems, microwave medical and biomedical applications systems, digital broadcasting systems, whitespace systems, software defined/cognitive/smart radio systems, satellite systems, near/far field OTA measurement systems, measurement techniques, EMC, and others.

Emerging Technologies

Millimeter-wave and terahertz biomedical applications, RF and millimeter-wave cubesat/space applications, new materials (graphene, CNT, nanowires etc.), nanostructured devices, circuits and antennas, machine learning in electromagnetics.

APMC 2021 PRIZES

Papers presented at APMC 2021 will be assessed by the Award Committee and outstanding papers will be awarded APMC 2021 Prizes and APMC 2021 Student Prizes.

PAPER SUBMISSION GUIDELINES

The recommended paper length is two pages, with three pages as a maximum. Submitted papers must be formatted according to the conference template. Related information and template will be available on the conference website.

IMPORTANT DATES

Proposals for special sessions, workshops and tutorials	June 1, 2021
Paper submissions	July 15, 2021
Notification of acceptance	September 30, 2021
Final paper submissions	October 30, 2021

www.apmc2021.org