



2020 Asia-Pacific Microwave Conference

APMC 2020

December 8-11, 2020, Hong Kong SAR, PRC **Virtual Conference**

<http://www.apmc2020.org>

CALL FOR PAPERS

On behalf of the organizing committee, the 2020 Asia-Pacific Microwave Conference (APMC 2020) will be held virtually from 8-11 December, 2020. It is organized by the IEEE AP/MTT Hong Kong Chapter, technically co-sponsored by the State Key Laboratory of Terahertz and Millimeter Waves (City University of Hong Kong), the Department of Electrical Engineering (City University of Hong Kong), the Department of Electronic Engineering (The Chinese University of Hong Kong), the IEEE AP-S, the IEEE MTT-S and the European Microwave Association. It is also supported by the Hong Kong Science and Technology Parks Corporation, IEEE Hong Kong Section, IEEE CES and IEEE OES. A broad forum will be provided for participants from both academia and industry to exchange research results and discuss collaborations in the fields of microwaves, millimeter waves, terahertz waves, infrared and optical waves during APMC 2020; such exchanges are key to accelerating the technology development in the Asia Pacific region. Prospective authors are invited to submit original papers on their recent works. Proposals for special sessions, workshops and short courses are also solicited.

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Active Devices and Circuits

Low-noise devices and circuits, high-power devices and circuits, wide band-gap devices, microwave tubes, control circuits (mixer, oscillator, switch, etc.), MMICs, RFICs, millimeter and THz 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, ferrite and SAW devices, RF MEMS, LTCC devices, packaging, metamaterials and EBG structures, plasmonic and optical components, nanomaterials, and others.

Antennas and Wireless

Scattering and propagation, EM field theory, DOA estimation, antenna theory and design, millimeter-wave/THz 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, wireless and cellular communication systems, high-speed and broadband millimeter and THz 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 THz biomedical applications, millimeter-wave and THz nano-electronic devices, new materials (graphene, CNT, nanowires etc.), nanostructured devices, circuits and antennas.

APMC 2020 Prizes

Papers presented will be judged by Prize Award Committees, and the authors of selected best papers will be awarded APMC 2020 Prizes and APMC 2020 Student Paper Prizes.

Paper Submission Guidelines

The recommended paper length is two (2) pages, with three (3) pages as a maximum. Submitted papers should be formatted for printing on Letter Sized (8.5"x11") paper, and camera-ready including figures. Related information and templates will be available on the conference website.

Important Dates

Proposal Deadline (Workshops/Short Courses/Special Sessions) **Jul 31, 2020**
Paper Submission Deadline **Aug 30, 2020**
Notification of Acceptance **Sep 11, 2020**
Final Manuscript Submission Deadline **Sep 30, 2020**

Contact: apmc2020@ee.cityu.edu.hk

Organizer



IEEE (HK) Section
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