



Microwaves bridging Smart Cities

## 2019 Asia-Pacific Microwave Conference (APMC) and Technical Exhibition in Singapore

**2019 Asia-Pacific Microwave Conference (APMC)** will be held in Singapore from Tuesday, December 10 to Friday, December 13, 2019.

APMC dates back to 1986 in New Delhi, and it is now recognized as one of the premier international conferences of microwave community. Singapore is proud to organize the 2019 APMC. This event will continue the spirit of APMC, address important issues in the microwave community to exchange results and discuss collaboration.

**APMC'19** will offer a rich scientific program of the highest quality with invited speakers from all over the world and provide a broad forum of exchange for both academia and industry alike.

The conference will cover the entire scope of microwave and millimeter wave engineering, including RF/microwave/THz, antennas & propagation and EMC/EMI. Prospective authors are invited to submit original papers on their latest research results. Proposals for special sessions, workshops and tutorials are also solicited and welcomed.

### Important Dates

Proposals for special sessions & workshops and tutorials	<b>June 10, 2019</b>
Preliminary paper submission (3 pages in PDF format)	<b>June 30, 2019</b>
Notification of acceptance	<b>August 30, 2019</b>
Final paper submission	<b>September 20, 2019</b>

*All accepted and presented papers will be included and published in IEEE Xplore.*



### Organizing Committee

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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, and other relevant topics.

## Passive Components

Multiband, 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 other relevant topics.

## Systems

5G systems, high-speed and broadband millimeter and THz wave systems, MIMO systems, microwave photonics, radar and sensor systems, IoT/M2M/RFID systems, wearable devices and systems, security and health monitoring systems, wireless power transfer systems, energy harvesting devices and systems, microwave medical and biomedical applications systems, whitespace systems, software defined/cognitive/smart radio systems, satellite systems, near/far field measurement, EMC/EMI, SI/PI, microwave heating and chemistry, and other relevant topics.

## Antennas and Propagation

EM field theory, EM wave propagation, wave scattering and inverse scattering, DOA estimation, localization, antenna theory and design, millimeter-wave/THz and optical antennas, small antennas, broadband and multi-band antennas, MIMO antennas, active adaptive and smart antennas, reconfigurable antennas, body channel modelling, and other relevant topics.

## Emerging Areas

Nano-electromagnetics, artificial intelligence, machine learning and deep learning for wireless applications, electromagnetic-acoustics, and other relevant topics.

Authors are requested to submit a paper up to 3 pages in length, including title, author's affiliation, abstract, figures, and references.

During the initial paper submission, authors should clearly summarize the novelty of their contributions. The submission must be in electronic format (PDF). A Word template is available on the conference website. No hard copy submission will be accepted.

**APMC'19 Prizes** consist of Best Conference Paper and Best Student Paper Prizes. Students are encouraged to submit the papers provided that the student is the principal author and also the presenter. Please indicate in your electronic submission if you want to be considered for the Student Paper Prize.

The Technical Exhibition on RF/microwave/EMC components, devices, materials, measurements, instrumentation and software will be the major accompanying event of the Asia-Pacific Microwave Week.

This exhibition will provide a diverse array of opportunities to showcase and network with tech companies in an exciting venue hosting major manufacturers and distributors of RF/microwave-related equipment, software, and tools.

**For more information, please visit:**

[www.apmc2019.org](http://www.apmc2019.org)