



# 2018 Asia-Pacific Microwave Conference APMC 2018

November 6-9, 2018, Kyoto International Conference Center, Kyoto, Japan

*Harmonious World Connected by Microwaves*

## First Call for Papers

The 2018 Asia-Pacific Microwave Conference (APMC 2018) will be held at the Kyoto International Conference Center, Kyoto, Japan, on November 6-9, 2018.

APMC 2018 will provide a broad forum for participants from both academia and industries to exchange information, share research results, and discuss collaborations in the fields of microwave, millimeter wave and even to the far infrared and optical waves.

Prospective authors are invited to submit original papers on their latest research results. Papers presented at the conference will be submitted for inclusion into IEEE Xplore. Proposals for workshops, short courses and special sessions are also solicited.

### CONFERENCE TOPICS

#### 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

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 others.

#### Systems

5G systems, wireless and cellular communication systems, high-speed and broadband millimeter and THz wave systems, MIMO systems, microwave photonics, radars and sensors systems, autonomous driving 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, digital broadcasting systems, whitespace systems, software defined/cognitive/smart radio systems, satellite systems, near/far field OTA measurement systems, measurement techniques, EMC, and others.

#### Antennas and Propagation

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.

### IMPORTANT DATES

- |  |               |
|--|---------------|
| • Proposal Deadline (Workshops/Short Courses/Special Sessions) | Feb. 28, 2018 |
| • Paper Submission Deadline                                    | May 19, 2018  |
| • Notification of Acceptance                                   | Aug. 10, 2018 |
| • Camera Ready Manuscript Upload Deadline                      | Aug. 31, 2018 |



## APMC PRIZE

Papers presented at APMC 2018 will be judged by the APMC 2018 Prize Award Committee, and the authors of selected papers will be awarded the APMC 2018 Prize for outstanding contributions to the microwave field.

## APMC STUDENT PAPER PRIZE

Outstanding student papers presented at APMC 2018 will be awarded the APMC 2018 Student Paper Prize.

## APMC STUDENT DESIGN COMPETITION

The APMC 2018 Student Design Competition will be held during the conference period. The details will be uploaded in the APMC 2018 website.

## TRAVEL FUNDS SUPPORT PROGRAM FOR STUDENT SPEAKERS

See the updates at APMC 2018 website.

## KYOTO

Kyoto is one of the best cities in the world to travel according to the most influential travel magazine. It served as the capital of Japan from year 794 to 1868 and has been nurturing its unique culture for over 1200 years. Today, Kyoto has 17 UNESCO World Cultural Heritage Sites and over 2000 temples and shrines. Historic scenery with wonderful architectures, traditional culture and Japanese hospitality attracted more than three million international visitors in 2016. In this way, the city of Kyoto has been designed such that people with different cultural backgrounds from all over the world are easy to get around. Kyoto in November particularly attracts many tourists by beautiful autumnal colorings of maples and other trees.

Kyoto is located nearly at the center of Japan, it enjoys a strategic position in the transport network and excellent accessibility. Kyoto's central railway station can be reached from Kansai International Airport in 75 minutes. Then, the conference venue, ICC Kyoto, can be reached from Kyoto station in 20 minutes.



## APMC 2018 COMMITTEE OFFICERS

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<http://www.apmc2018.org/>



This conference is organized and sponsored by the Institute of Electronics, Information and Communication Engineers (IEICE) of Japan, and technically co-sponsored by IEEE MTT-S and IEEE AP-S. It will also be technically co-sponsored by EuMA, URSI, IEEE MTT-S Japan/Kansai/Nagoya Chapters, IEEE Kansai Section, IEICE Technical Committee on Microwaves, IEICE Technical Committee on Electronics Simulation Technology, IEICE Technical Committee on Microwave Photonics, Japan Institute of Electronics Packaging, Japan Society of Electromagnetic Wave Energy Applications, and IEEE Investigative Committee on Innovative Technologies for Advanced Applications of Electromagnetic-waves.

## CONTACT

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