Important Dates

to be confirmed

Paper Submission Deadline	Jun. 18, 2027
Notification of Acceptance	Aug. 12, 2027
Final Manuscript Submission Deadline	Aug. 31, 2027

CALL FOR PAPERS

The 39th Asia-Pacific Microwave Conference (APMC) will take place from December 5 to 8, 2027, at Guangzhou Baiyun International Conference Center, Guangzhou, China. Original papers (3-pages in length) are invited on topics including, but not limited to, the following areas listed below. All accepted and presented papers will be included and published in IEEE Xplore. Proposals for special sessions and workshops are also solicited.

01 Active Devices and Circuits

Semiconductor devices, low-noise devices and circuits, high-power devices and circuits, wide bandgap devices, device modelling and characterization, microwave tubes, control circuits (mixer, oscillator, switch, etc.), MMICs, RFICs, millimeter and terahertz wave devices and circuits, RF circuits for quantum computing, and others.

02 Passive Components and Packaging

planar passive components, non-planar passive components, integrated passive circuits, packaging, MCMs, microwave/RF filters, resonators, power combiners/dividers, waveguides and transmission lines, passive device modelling and simulations, microwave acoustic, ferrite, ferroelectric, phase-change, MEMS components, RF MEMS, LTCC devices, metamaterials and EBG structures, and others

03 Field Analysis, Simulation, and Characterization Techniques

EM field analysis, quided waves, computational EM, non-EM related multiphysics simulations, instrumentation and measurement techniques, calibration and de-embedding techniques, measurement uncertainty, over-the-air measurement methods and novel instrumentation, EMI/EMC/SI for high speed interfaces, and others.

04 Antennas and Propagation

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, near/far field OTA measurement systems, measurement techniques, reconfigurable antennas, rectennas, transparent antennas, and others

05 Systems and Applications

5G-adv/6G systems, 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 systems, RF energy applications, RF energy harvesting devices and systems, satellite systems, and others.

06 Emerging Technologies

AI/ML for RF to millimeter wave software defined/cognitive/smart radio systems, quantum devices and circuits, RF/microwave medical and biomedical applications systems, RF and millimeter-wave cubsat/space applications, new materials (graphene, CNT, nanowires etc.), and others.

APMC2027

The 39th Asia-Pacific Microwave Conference

05/12/2027-08/12/2027

Guangzhou Baiyun International Convention Center, Guangzhou, China

IEEE Journal Special Issues

The papers presented at APMC 2027 will have the chance to submit extended versions of their work to a Special Issue of the IEEE Transactions on Microwave Theory and Techniques (TMTT) and a Special Issue of the IEEE Microwave and Wireless Technology Letters (MWTL). These submissions will subsequently undergo the standard IEEE peer-revie w process. The details can be found in APMC 2027 homepage. (To be confirmed)

IEEE TMTT | Special Issue of the IEEE Transactions on Microwave Theory and Techniques (TMTT)

IEEE MWTL | Special Issue of the IEEE Microwave and Wireless Technology Letters (MWTL)

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About Guangzhou

Guangzhou is the foremost city in southern China in history and economic vitality.As the capital of Guangdong Province and the core engine of the Guangdong-Hong Kong-Macao Greater Bay Area, it has served as a thriving trading port for more than 2,200 years. Known as the "Flower City" for its year-round subtropical blossoms, Guangzhou is also renowned for its vibrant Cantonese culture, dim-sum morning tea and world-class cuisine, and has been designated as a NationalCentral City and one of China's top-tier cities for internationalexchange.

Venue: BGICC

APMC 2027 will be held at the Guangzhou Baiyun International Convention Center (BGICC). Located at the foot of Baiyun Mountain on Baiyun Avenue North, BGICC covers more than 250,000 m^2 of ground area and over 400,000 m^2 of total floor space. It is directly accessible by Metro Line 2 and only a 20-minute drive from Guangzhou Baiyun International Airport, featuring world-class facilities and a comprehensive conference environment.