



# APMC 2025

2025 ASIA-PACIFIC MICROWAVE CONFERENCE

DEC 2 - 5, 2025 | ICC JEJU, Jeju Island, Korea

## IMPORTANT DATES

	Proposals Deadline (Workshops/Tutorials/Special Sessions) .....	April 25 (Fri.), 2025
	Paper Submission Deadline .....	June 29 (Sun.), 2025
	Notification of Acceptance .....	August 21 (Thu.), 2025
	Final Manuscript Submission Deadline .....	October 3 (Fri.), 2025

## CALL FOR PAPERS

The 37th Asia-Pacific Microwave Conference (APMC) will take place from December 2 to 5, 2025, at ICC JEJU in Jeju, Korea. 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, workshops and tutorials are also solicited.

## I CONFERENCE TOPICS

### 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, and others.

### 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.

### Field Analysis, Simulation, and Characterization Techniques

EM field analysis, guided 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, and others.

### 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, and others.

### 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.

### 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 cubesat/space applications, new materials (graphene, CNT, nanowires etc.), and others.



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## ABOUT JEJU ISLAND



Jeju Island is the foremost island in Korea in terms of size and unique climate. The island province consists of Jeju and its adjacent islands. Geographically, its relative isolation from the mainland resulted in a unique dialect and lifestyle of its own. The natural beauty of Hallasan Mountain and the surrounding sea make Jeju an ideal resort island. In recent years, Jeju has been awarded multiple times by global organizations. The island contains the natural World Heritage Site Jeju Volcanic Island and Lava Tubes. Jeju Island is UNESCO's only triple-crown winner for World Natural Heritage, Global Geopark, and Biosphere Reserve. It is also renowned for its beautiful, pristine environment and has been designated as one of the New 7 Wonders of Nature. With the 21st century's arrival, Jeju Island is transforming itself into irreplaceable tourist area.

## VENUE 'ICC JEJU'



APMC 2025 will be held at the International Convention Center Jeju (ICC JEJU) in Jeju, an island designated as a UNESCO World Natural Heritage site. ICC JEJU is located in the Jungmun Tourist Complex with the cobalt-blue Northern Pacific stretching on the south and towering Hallasan Mountain in the north. Spreading over an area of more than 5,000m<sup>2</sup>, the world-class convention center is a 7-story building. Artfully blending tourist resources and convention facility, this resort-style convention center is fully equipped for international meetings of any scale and provides professional logistic support in events hosting.