

Call for Papers

The 13th Asia-Pacific Conference on Antennas and Propagation (APCAP 2025) will be held in Chateau on the Park, Christchurch, New Zealand on 3-7 August 2025. APCAP 2025 is jointly organized by Singapore IEEE MTT/AP Joint Chapter and RFID Chapter, and technically sponsored by IEEE Antennas and Propagation Society and IEEE New Zealand South Section.

APCAP is an international forum for the exchange of information on the progress and recent advancements in the research and development of innovative antenna technology and radio wave propagation. It offers a rich, high-quality scientific program with keynote and invited speakers from all over the world. It is a platform for not only exchanges of innovative ideas but also opportunities for collaboration among people from academia, industry, and governments. The APCAP was successfully inaugurated in Singapore in 2012 and subsequently held in Chiangmai in 2013, Harbin in 2014, Bali in 2015, Kaohsiung in 2016, Xi'an in 2017, Auckland in 2018, Incheon in 2019, Xiamen (on-line) in 2020, Xiamen (in-person) in 2022, Guangzhou in 2023, and Nanjing in 2024.

APCAP 2025 will cover a wide range of topics related to antenna technology, propagation, and electromagnetic theory. Prospective authors are invited to submit original contributions on their latest research findings. Proposals for special sessions and short courses are also invited and welcome.

As a tradition, the Student Paper Contest will be organized and the papers submitted are expected to be predominantly the work of the student. Papers co-authored by a student and his advisor are eligible, provided the student is the principal author and the presenter of the paper.

All submissions are subject to technical reviews for acceptance. The papers accepted by and presented in APCAP will be submitted for inclusion into IEEE Xplore subject to IEEE Xplore's scope and quality requirements, with an opportunity to be indexed by EI Compindex.

Important Dates:

Preliminary paper submission	April 21, 2025
Notification of acceptance	May 23, 2025
Final paper submission	June 20, 2025

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Organizers:



Technical sponsors:



Topics of Interest

Antennas

- Analysis, design, and development of various antennas
- Design of wide-band antennas and small antennas
- Empirical, theoretical, and computational models of antennas and arrays
- Material properties and their applications in antennas
- Reconfigurable and tunable antennas, optical and nano-antennas
- Antenna arrays and MIMO systems
- Signal processing for antennas
- Phase-arrays and digital-arrays for 5G/6G
- Antenna-in-package and antenna-on-chip
- AI-assisted antenna designs and testing

Wave Propagation

- Theoretical and computational methods for wave propagation and sensing
- Characterization of propagation channels
- Applications in wireless communications, radar, and imaging systems

Measurements

- Measurement, specification, and standards of electrical quantities
- Measurement techniques for antennas, electromagnetic radiation, propagation, and scattering
- Display and visualization of electromagnetic fields and currents
- Near-field and compact-range measurements and novel measurement techniques
- Microwave absorbers and material characterization

Electromagnetics

- Fundamental and advanced theory, analytical and numerical solutions
- Radiation, scattering, radar cross section, propagation, and interaction with all media
- Inverse scattering and target identification
- Novel electromagnetic and artificial materials
- Computational electromagnetics, fast algorithms, and CAD packages

Microwaves, Millimeter Waves, and THz

- Millimeter-wave components and devices
- Ferrite and SAW components, superconducting components and technology
- Microwave-Optical design, high speed digital circuits and SI, sub-millimeter wave techniques
- THz technology, measurement, and imaging

EMC & EMI

- EMC and EMI modeling
- EMC test methods in industry

and many other relevant topics....

Paper Submission

Authors are requested to submit a preliminary paper of **TWO** pages (IEEE double-column format) in length, including title, author's affiliation, abstract, figures, and references.

The submission must be in electronic (PDF) format. A paper template is available on the conference website. Hardcopy submissions will not be accepted.

Exhibitions

Technical exhibitions on RF antennas, microwave components and devices, materials, measurement equipment and instrumentation, and software will be an accompanying event of the Asia-Pacific Conference on Antennas and Propagation.

