IEEE 14th Asia-Pacific Conference on Antennas and Propagation

3-6 August 2026, Chengdu, China

https://www.apcap2026.org/

Call for Papers

IEEE 14th Asia-Pacific Conference on Antennas and Propagation (APCAP 2026) will be held in Chengdu, China, on 3-6 August 2026. APCAP 2026 is jointly organized by IEEE AP-S/EMC Joint Chapter and Sichuan Institute of Electronics, and technically sponsored by IEEE Antennas and Propagation society.

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 Kaohsiung in 2016, Xi'an in 2017, Auckland in 2018, Inchon in 2019, Xiamen (on-line) in 2020, Xiamen (in-person) in 2022, Guangzhou in 2023, Nanjing in 2024, and Christchurch in 2025.

APCAP 2026 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 Compendex.

Important Dates:

Preliminary paper submission	**March 31, 2026**
Notification of acceptance	**May 15, 2026**
Final paper submission	**June 10, 2026**

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IEEE AP-S Antennas and Propagation Society

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Topics of Interest

Antennas and Antenna Arrays

- Fundamental theory, and analysis and design approach of novel antennas
- Broadband/ultra-wideband antenna arrays & systems
- Base station antenna arrays for 5G/6G
- New materials for antenna designs
- Optical and nano antennas
- Reconfigurable and adaptive antennas and arrays
- Antenna-in-package and antenna-on-chip
- AI-assisted antenna designs and testing

Electromagnetics

- Computational electromagnetics
- High-frequency and asymptotic methods
- Radiation, scattering, radar cross section, and interaction with medias
- Inverse scattering and target identification
- Novel electromagnetic and artificial materials
- Nano-electromagnetics
- AI in electromagnetic field applications

Electromagnetic Wave Propagation

- Indoor, urban, terrestrial, and ionospheric propagation
- Propagation and scattering in random or complex media
- Theoretical and computational methods of predicting wave propagation and sensing
- Characterization of propagation channels
- Remote sensing
- Multiple antenna systems for spatial, polarization, pattern, and other diversity applications

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
- Design of microwave absorbers and material characterization

Microwaves, Millimeter Waves, and THz

- Solid state circuits, low-noise circuits, and high-power circuits, monolithic integrated circuits passive circuits, packaging, interconnects, MCMs, and MEMS
- Ferrite and SAW components, superconducting components and technology
- Microwave-Optical design, high speed digital circuits and signal integrity (SI), submillimeter wave techniques
- THz technology, measurement, and imaging

EMC & EMI

- EMC and EMI modeling, EMC test methods in industry, environment, near-field for FF problem solving, near-field probers, and functional safety NF scanning for PCB characterization

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.