



3rd Asia-Pacific Conference on Antennas and Propagation

July 26-28, 2014, Harbin, China

<http://www.apcap2014.org>

Third Asia-Pacific Conference on Antennas and Propagation (APCAP2014) will be held in Harbin, China on July 26-28, 2014. APCAP2014 is sponsored by Harbin Institute of Technology, and technically co-sponsored by IEEE Antenna & Propagation Society, IEEE Harbin AP/MTT/EMC Joint Chapter, IEEE Japan AP Chapter, IEEE MTT/AP/ED Thailand Chapter, IEEE AP Singapore MTT/AP Joint Chapter, State Key Laboratory of Millimeter Waves and National Science Foundation of China, and it is also supported by other research institutes and local universities.

The Asia-Pacific Conference on Antennas and Propagation (APCAP) is an international forum for the exchange of information on the progress and recent advance of research and development in innovative antenna technology and radio wave propagation.

The APCAP was successfully inaugurated in Singapore in 2012 and the second version of APCAP2013 with a success was held at Chiang Mai in Thailand.

APCAP2014 will offer a rich scientific program of the high quality with the oral and interactive presentations by excellent researchers including keynote and invited speakers and students from all over the world. APCAP2014 will provide a broad forum of exchange for both academia and industry alike for promising collaboration.

APCAP2014 will cover a wide range of topics related to electromagnetic theory, antenna technology, and propagation. Prospective authors are cordially invited to submit their latest original research achievements and findings to APCAP2014.

All accepted papers will be included in IEEE Xplore after the review taken by IEEE conference publication group and then submitted for EI Compendex index.

IEEE Publication Information:

Part Number: CFP1407S-CDR & ISBN: 978-1-4799-4355-5

Important Dates:

Proposals for special sessions, workshops, and tutorials	March 16, 2014
Preliminary paper submissions	April 15, 2014
Notification of acceptance	May 5, 2014
Final paper submissions	July 5, 2014

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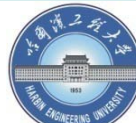
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Call for Papers

Paper submission System: <http://emfield.org/apcap2014/>



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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 new antenna design
- Reconfigurable and tunable antennas, optical and nano antennas
- Antenna arrays and signal processing for antennas

Wave Propagation

- Theoretical and computational methods of predicting wave propagation and sensing
- Characterization of propagation channels
- Applications of wave propagation (wireless communications, multipath interference, underground communications, biomedical applications, etc.)
- Multiple antenna systems for spatial, polarization, pattern and other diversity applications

Measurements

- Measurement, instrumentation, specification, and standards of electrical quantities
- Measurement techniques for antennas, electromagnetic radiation, propagation, and scattering
- Design of microwave absorbers and material characterization
- Imaging and sensing using electromagnetic fields and waves

Electromagnetics

- Fundamental and advanced theory, analytical, numerical solutions, and CAD
- Diffraction, scattering, inverse scattering, polarization, and target identification
- Radiation, scattering, radar cross section, propagation, and interaction with all media
- Novel electromagnetic materials (metamaterials, electromagnetic bandgap structures)

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 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 probes, and functional safety NF scanning for PCB characterization

Paper Submission

Authors are requested to submit a preliminary paper up to 4 pages (IEEE double-column style) in length, including title, author's affiliation, abstract, figures and references.

The submission must be in electronic format. A Word template is available on the conference website. No hardcopy submission will be accepted.

Exhibitions

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

