



# Asia-Pacific Conference on Antennas and Propagation

August 27-29, 2012, Singapore

<http://www.ap-cap.org>

# Call for Papers

## First Asia-Pacific Conference on Antennas and Propagation

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 first Asia-Pacific Conference on Antennas and Propagation (APCAP 2012) will be held in Singapore from Monday, August 27, to Wednesday, August 29, 2012.

APCAP 2012 will offer a rich scientific program of the highest quality with keynote and invited speakers from all over the world and provide a broad forum of exchange for both academia and industry alike.

The conference will cover a wide range of topics related to antennas, propagation, and electromagnetics. Prospective authors are invited to submit original contributions on their latest research findings to APCAP 2012. Proposals for special sessions, workshops, and tutorials are also invited and welcome.

All accepted papers will be included in IEEE Xplore.

### Important Dates:

Proposals for special sessions, workshops and tutorials	<b>March 5, 2012</b>
Preliminary paper submissions	<b>March 19, 2012</b>
Notification of acceptance	<b>May 5, 2012</b>
Final paper submissions	<b>June 25, 2012</b>

### Organizing Committee

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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 antennas
- Reconfigurable and tunable antennas, optical and nano antennas
- Antenna arrays and MIMO systems
- Signal processing for antennas

### Wave Propagation

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

### 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

**and many other relevant topics.**

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## Paper Submission

Authors are requested to submit a preliminary paper up to 4 pages in length, including title, author's affiliation, abstract, figures, and references.

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

## Exhibition

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

