

# Announcement and Call for Papers

## ISAPE 2012

The 10th International Symposium on Antennas, Propagation, and EM Theory  
October 22 - 26, 2012, Xi'an, CHINA

<http://www.isape.org/>



IEEE



ISAPE, a serial symposium on AP and EM Theory, always offers an active forum for exchanging creative ideas and experiences of the latest developments, designs in the areas of antennas, propagation, and electromagnetic theory for professors, researchers, engineers and excellent students all over the world. ISAPE 2012 will be held in Xi'an, China. All prospective papers in the areas of antennas, propagation, electromagnetic theory, computational electromagnetic, and EMC are welcome. All papers accepted will be included in IEEE Xplore and indexed by the INSPEC database and EI Compendex.

### SUGGESTED TOPICS

#### A. Antennas & Related Topics

- A1. Microstrip & Printed Antennas
- A2. Active & Integrated Antennas
- A3. Array Antennas, Phased Arrays and Feeding Circuits
- A4. Small Antennas
- A5. Adaptive & Smart Antennas
- A6. Multi-Band/Wideband Antennas
- A7. Wire & Slot Antennas
- A8. Aperture Antennas & Feeds
- A9. Millimeter & Sub-Millimeter Wave Antennas
- A10. Optical Technology in Antennas
- A11. Antennas in Mobile Communication
- A12. Antenna Measurements
- A13. FSS, Polarizers & Radomes
- A14. Reconfigurable Antennas & Arrays
- A15. Reflector/Lens Antennas & Feeds
- A16. Others

#### B. Propagation & Related Topics

- B1. Mobile & Indoor Propagation
- B2. Mobile Channel Characterization & Modeling
- B3. Millimeter & Optical Wave Propagation
- B4. Earth-Space & Terrestrial Propagation
- B5. Radio Meteorology
- B6. Remote Sensing
- B7. SAR Polarimetry & Interferometry
- B8. Tunnel Propagation
- B9. Propagation in Ionized and Non-Ionized Media
- B10. Radio Astronomy
- B11. Tropospheric, Stratospheric and Ionospheric Sounding
- B12. Ionospheric Modification
- B13. Incoherent Scatter Radar & Experiments
- B14. Others

#### C. EM Theory & Related Topics

- C1. Bioelectromagnetics & Light Scattering
- C2. EM Fields in Complex Media
- C3. Geo-Electromagnetics
- C4. Theoretical Electromagnetics & Analytical Methods
- C5. Transient EM fields
- C10. Time-Domain Techniques
- C11. Inverse Problems & Imaging
- C12. Scattering, Diffraction, & RCS
- C13. Metamaterials & Electromagnetic Bandgap Structures
- C14. Measurement Techniques

- C6. High-Frequency Techniques
- C7. Nonlinear electromagnetics
- C8. Random Media & Rough Surfaces
- C9. Waveguiding Structures

#### **D. Computational Electromagnetics**

- D1. Integral Equation Methods
- D2. Differential Equation Methods
- D3. Hybrid Techniques
- D4. Optimization Techniques for CEM
- D5. Asymptotic & High-Frequency Techniques
- D6. Low-Frequency Electromagnetics
- D7. Computational Bioelectromagnetics
- D8. Pre- & Post-Processing

#### **E. Electromagnetic Compatibility & Related Topics**

- E1. Probe & Sensor
- E2. Absorbing Materials
- E3. Test Chambers
- E4. EMC Test & Measurement
- E5. Coupling & Crosstalk
- E6. EMC Standards
- E7. EM Environment
- E8. Automotive EMC
- E9. EM Bioeffects
- E10. EMC in Communications

#### **F. Others**

- F1. High-Power Microwave Applications
- F2. UWB & Impulse Applications
- F3. Ubiquitous Network Systems
- F4. Satellite Communication Systems
- F5. Radio Technologies for Intelligent Transport Systems
- F6. Subsurface Sensing
- F7. MEMS-NEMS & MMIC
- F8. Passive & Active Circuits
- F9. Power Amplifiers, Linearization, & Active Component

- C15. Nano-Electromagnetics
- C16. Seismo-Electromagnetics, Earthquake Precursors & Monitoring
- C17. Others

- D9. Nondestructive Techniques
- D10. NEC Modeling & Analysis
- D11. FEKO Modeling & Analysis
- D12. CST Modeling & Analysis
- D13. Object-Oriented Computational Electromagnetics
- D14. Transmission-Line Theory
- D15. Others

- E11. EMC in Power Engineering
- E12. Lightning, ESD & EMP
- E13. EMC in Computer & PCBs
- E14. Shielding, Filtering & Grounding
- E15. EMC in Microelectronics
- E16. Immunity & Susceptibility
- E17. Spectrum Management
- E18. EMI Prediction Analysis & Reduction Technique
- E19. Others

- F10. Millimeter Wave & Sub-Millimeter Wave Components, Circuits & Systems
- F11. THz Technology
- F12. Signal Processing for Communications
- F13. Advanced Process, Packaging & Integration Technologies
- F14. 3D RF Technology
- F15. Electromagnetic Materials
- F16. Electromagnetic Environment Effects (E3)
- F17. Solar Power Satellite (SPS)

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**PROCEEDINGS:**

The ISAPE Proceedings CD of full papers with IEEE and the Library of Congress Catalog Numbers will be available to all delegates attending the conference. The papers will be included in IEEE Xplore and indexed by INSPEC database and EI Compindex.

**WORKING LANGUAGE:**

The working language of the conference is English, which will be used in all printed materials, presentations and discussions.

**PAPER SUBMISSION GUIDELINES:**

Papers are limited to 4 pages in double-column and should be submitted via the conference website at URL: <http://www.isape.org/>.

**IMPORTANT DATES:**

Full Paper Submission: June 15, 2012

Acceptance Notification: August 5, 2012

Workshop/Tutorial Material: September 15, 2012

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More details and updated information can be found at conference website: <http://www.isape.org/> or leave messages at the message board.