



Call for Papers & Special Sessions

AES 2012, Advanced Electromagnetics Symposium will serve as an international multidisciplinary forum for deliberations on recent advances and developments in the entire broad field of Electromagnetics. Included in this wide-ranging subject, are all aspects of electromagnetics, and all frequency ranges from statics to optics.

AES 2012 topics include, but are not limited to:

- Electromagnetic theory
- Computational techniques applied to electromagnetic field problems
- Coupled field problems: electromagnetic, thermal, mechanical fields
- EMC problems
- Optimization techniques
- Electromagnetic field measurement techniques
- Radiation, propagation, diffraction, scattering and inverse scattering
- Antenna theory, radomes and arrays
- Microwave remote sensing and polarimetry
- Mobile antennas, conformal and smart skin antennas
- Electromagnetic signal processing, wavelets, neural network
- Optics and photonics, THz technology
- Microwave and photonic systems, EBG, PBG
- Bioeffects of electromagnetic fields, medical electromagnetics
- Modeling and characterization of materials
- Advanced electromagnetic materials and nano-photonics
- Metamaterials, plasmonics and photonic crystals
- Plasmas, nonlinear media, fractal, chiral and bianisotropic media
- Biological media, composite and random media
- Electroactive and magnetoactive materials
- Superconducting materials
- Microwave, millimeter wave and optical circuits and devices
- Power electronics, actuators and electrical machines
- Fault detection, diagnosis and tolerant control
- Non destructive testing (NDT)
- Magnetic levitation, transportation and collision avoidance

Conference dates:

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| - 5 December 2011: | Deadline for submission of abstracts |
| - 16 December 2011: | Notification of acceptance |
| - 17 February 2012: | Deadline for submission of final manuscript |
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Website: <http://aes12.mysymposia.org>

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