

2017 International Applied Computational Electromagnetics Society (ACES) Symposium

August 1-4, 2017, Suzhou, China

www.nusri.cn/aces2017-China

Call for Papers



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Conference Secretariat:

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The 2017 International Applied Computational Electromagnetics Society Symposium in China (ACES-China 2017) serves as a forum for developers, analysts, and users of computational techniques applied to electromagnetic field problems for all frequency ranges. The symposium includes technical invited plenary and regular presentations, software tutorials, vendor booths, and short courses.

ACES-China 2017 will be held in Suzhou, China on August 1-4, 2017. Papers may address general issues in applied computational electromagnetics or focus on specific applications, techniques, codes, or computational issues of potential interest to ACES members through invited and contributed papers. Distinguished researchers will be invited to deliver keynote speeches on technology trends and significant advances in relevant topics. The following is a list of suggested topics, although contributions in other areas of computational electromagnetics will also be considered.

Topics

The topics include, but are not limited to, the following technical areas:

Computational Methods, EM Theory and Modeling:

Integral Equation/Differential Equation; Time Domain/Frequency Domain; Hybrid and Multi-Physics; Low Frequency and High Frequency; Optimization Techniques; Parallel and GPU Computations;

Antenna Modeling, Synthesis, Design and Applications:

Small Antennas; Wideband and Multiband Antennas; Terahertz Antennas; Antenna Arrays; 5G antennas; Dielectric Resonator Antennas; Printed and Conformal Antennas; RFID antennas/systems; Space and satellite antennas; Antennas with advanced/complex/artificial materials and processes;

RF, Microwave, Millimeter-wave and THz Circuit/Sub-System Modeling, Design and Applications:

Passive/active devices; Multifunctional devices; Reconfigurable devices; Digital RF devices; 5G;

Artificial Materials and Photonic Applications:

Engineering Metamaterials; Microwave Photonics; Adaptive smart materials; Metasurfaces; Wave-matter interactions;

Nano-electronics and 2D Graphene Applications:

Nanotechnology; Carbon nanotubes and 2D graphene electronic and optoelectronic devices;

Advanced/Semiconductor Processes Characterization, Modelling, Design and Applications:

Wide bandgap/emerging semiconductor electronic devices; Advanced silicon; IPD and TSV; 3D printing and Inkjet printing; MEMS and MMIC; LTCC and LCP based RF & microwave devices;

Bio-Applications:

Bio-EM; power/data telemetry; on-/in-body antennas; MRI; Body channel modeling;

Wireless Power Applications:

Wireless power and RF energy harvesting; EMC of wireless power;

Microwave Radar and SAR Applications:

Microwave remote sensing; SAR algorithms and systems; Inverse scattering; Radar techniques;

Microwave Measurement and EMC:

Near-field techniques; Microscopy; Microwave measurement techniques; microwave property characterization of materials; EMC issues

Electronic Paper Submission:

Prospective authors are invited to submit manuscripts in electronic (PDF) format only. All papers must be written in English and limited to two pages including text, references, and figures. **Submitted papers should strictly follow the conference paper template** available on the website. Papers submitted will be peer reviewed and all full papers presented at the conference will be included in IEEE Xplore pending quality review and further indexed by Engineering Index (EI). Note that **one-page abstract can also be acceptable**, but it will not be included in IEEE Xplore and EI.

Special Issue in Applied Computational Electromagnetic Society (ACES) Journal:

Authors of all papers presented at the symposium are invited to submit an expanded version of their papers to Applied Computational Electromagnetic Society (ACES) Journal (SCI). Papers that have some computational results to validate measurements or to post process measured data are especially encouraged for submission.

Best Paper Awards:

Awards for Best Student Paper(s) will be presented to the winners at the conference. The Awards Committee will judge the papers primarily on originality, significance, technical soundness, presentation, and reviewers' reports. To qualify for the Best Student Paper, the author must be a full-time student who presents, as the first author, the paper at the conference. Students who wish to participate in this competition should upload their papers directly to the designated "Student Paper Competition" upload option.

Important Dates:

Paper Submission Deadline:

~~February 28, 2017~~ **March 31, 2017**

Notification of Acceptance:

April 23, 2017

Final paper Submission:

May 13, 2017

Exhibitions:

Exhibition of company products is solicited for the areas related to the topics. Interested parties should contact the Conference Secretariat.

