



FINAL CALL FOR PAPERS

2017 IEEE International Conference on Computational Electromagnetics
March 8-10, 2017, Parea Kumamoto Prefectural Community Center,
Kumamoto Japan

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The 3rd IEEE Antennas and Propagation Society Topical Meeting on Computational Electromagnetics

The IEEE International Conference on Computational Electromagnetics (ICCEM) is financially sponsored by the Antennas and Propagation Society (AP-S). It brings researchers and practitioners together for sharing their latest advances in numerical algorithms, modeling methods, optimization, and computing platforms for applications across the whole electromagnetic spectra.

Papers may address all aspects of simulation techniques, computational methods and/or focus on scientific and engineering applications. The following is a list of suggested topics. Contributions in other areas of computational electromagnetics and applications will be considered.

Computational methods

1. Integral Equation Methods
2. Differential Equation Methods
3. Mode Matching Methods
4. High Frequency Methods
5. Time Domain Methods
6. Hybrid Techniques
7. Numerical Modeling of EM problems
8. Multi-scale/Multi-physics EM simulation
9. Fast and Efficient techniques
10. Data-sparse Representation
11. Others

Simulation Techniques

1. Mesh Generation
2. Scientific Visualizations
3. User Interfaces
4. Computer Graphics
5. Parallel and GPU Computations
6. Design & Optimization Techniques
7. Others

Education

1. Education in Electromagnetics

Applications

1. Novel Design Technologies for Antennas and Devices
2. Antennas and Devices for Specific Applications
3. Active and On-Chip Antennas
4. Millimeter-wave, THz and Optical Antennas and Devices
5. Metamaterial
6. Indoor and Mobile Propagation
7. Guided Waves and Waveguides
8. EGB, FSS, Periodic Structures
9. Wireless Power Transfer Technologies
10. Scattering and Diffraction
11. Inverse Scattering and Imaging
12. EMC/EMI Technologies
13. Microwave Photonics, THz Technologies
14. Optoelectronic Devices and Integration
15. Remote Sensing, Radar and Measurements
16. Nano-scale Electromagnetics
17. Quantum Electrodynamics
18. Bioelectromagnetics, Biomedical Applications
19. Others

Important Dates:

Deadline of full paper submission: ~~September 16, 2016~~ **October 15, 2016 (Extended)**

Notification of acceptance: ~~November 18, 2016~~ **November 30, 2016**

Contact : iccem2017_inq@ieee.org (Prof.s E. Nishiyama and T. Matsuoka)

Paper Submission :

The recommended paper length is two (2) pages, with three (3) pages as a maximum. Submitted papers should be formatted for printing on A4 or 8.5x11-inch US standard paper, and camera-ready including figures. Related information will be available in the conference website. All the presented papers will be published in IEEE Xplore.

Award:

IEEE Ulrich L. Rohde Innovative Conference Paper Award is given to two most innovative papers presented.

Technical Sponsors:

ICCEM2017 is technically cosponsored by IEEE AP-S Fukuoka Chapter, Technical Committees on Antennas and Propagation (AP) in IEICE Communication Society, Electromagnetic Theory (EMT) and Electronics Simulation Technology (EST) in IEICE Electronics Society.