



**March 25-27
Singapore**

March 25 - 27, 2020, Singapore
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Conference Website

<http://www.iccem2020.org>

Financial Sponsor



CALL FOR PAPERS

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

Prospective authors are cordially invited to submit papers in all areas 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 also be considered.

Computational Methods

- Integral Equation
- Hybrid and Multi-Physics
- Fast and Efficient Techniques
- Transient Time Domain Analysis
- A Posteriori Error Estimate and Adaptive Mesh Refinements
- Data Analytics
- Differential Equation
- Domain Decomposition
- High Frequency Methods
- Hybrid Time and Frequency Techniques
- Reduced Order Modeling
- Data-Sparse Representation
- Others

Applications

- Antennas
- EMC/EMI in Large Platform
- RF and Microwave Circuits
- Metamaterial and Artificial Materials
- Fast CEM Modelling for 5G Communication
- Co-Simulation of Electronic Circuits
- Antenna Arrays
- EM Scattering and Inverse Scattering
- EBG and Frequency Selective Surfaces
- Signal/Power Integrities in ICs and Packages
- Nano-electronics and Nano-electromagnetics
- Fast CEM Modelling for Health Care

Simulation Techniques

- Mesh Generation
- User Interfaces
- Scientific Visualizations
- Computer Graphics

High Performance Computing

- Parallel and GPU Computations
- Design & Optimization Techniques

Emerging Areas

- Artificial intelligence, machine learning and deep learning based computational electromagnetics methods, computational electromagnetic-acoustics, and other relevant topics.

Important Dates

Deadline for full-paper submission : **October 1, 2019**
Notification of acceptance: **November 18, 2019**
Final paper submission: **December 18, 2019**

Paper Submission Guidelines

Authors are invited to submit **two-page papers** or **one-page abstract**. Submitted papers should be formatted for printing on 8.5x11-inch US standard paper, and camera-ready including figures. Related information and templates are available in the ICCEM2020 conference website at <http://www.iccem2020.org>.