



电子科技大学  
University of Electronic Science and Technology of China



# 2018 IEEE International Conference on Computational Electromagnetics Chengdu, China March 27-29, 2018

## STEERING COMMITTEE

### General Co-Chairs

Zaipeng Nie (UESTC)  
Chi Hou Chan (CityU)

### TPC Co-Chairs

Jun Hu (UESTC)  
Qing Huo Liu (Duke Uni.)

### Special Session Committee

Dazhi Ding (NUST)  
Xiuyin Zhang (SCUT)  
Xiaomin Pan (BIT)

### Local Arrangement Chairs

Shiwei Qu (UESTC)  
Xiaofeng Que (UESTC)

### Financial Chairs

Yikai Chen (UESTC)  
Peng Yang (UESTC)

### Registration Chairs

Huapeng Zhao (UESTC)  
Yumao Wu (FuDan)

### Publications Chairs

Sheng Sun (UESTC)  
Maokun Li (Tsinghua)

### Publicity Committee

Yujian Cheng (UESTC)  
Shaohui Xiao (UESTC)

### Technical and Web Support

Shiquan He (UESTC)

### Secretary

Min Meng (UESTC)

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. Domain Decomposition Methods
6. Hybrid Techniques
7. Fast and Efficient Techniques
8. Multi-scale/Multi-physics EMSimulation
9. Data-sparse Representation
10. Others

### Simulation Techniques

1. Mesh Generation
2. Scientific Visualizations
3. User Interfaces
4. Computer Graphics
5. Others

### High Performance Computing

1. Parallel and GPU Computations
2. Design & Optimization Techniques
3. Others

### Important Dates

Deadline of full paper submission:

**October 20, 2017**

Notification of acceptance:

**December 20, 2017**

### Contact:

iccem2018@uestc.edu.cn

### Applications and Electromagnetics Education

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

### Paper Submission Guideline

The recommended paper length is 2 pages, with 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 is available in the conference website. All the presented papers will be included in IEEE Xplore.

Conference website: <http://www.emrc.uestc.edu.cn/iccem2018>



Mount Qing-cheng



Du-jiang-yan Irrigation System



Giant Panda



Wu-hou Temple

Local scenic spots, cultural heritages and museums.....



Sichuan Snacks



Hot Pot

Local food



Kungfu Tea



Chengdu International Airport is the largest aviation hub in Central and Western China and the fourth largest airport in mainland China. There are flights to 209 domestic and international (regional) destinations, 78 of which are international (regional) destinations.

Minshan Hotel (Conference Venue) is in the downtown, only 18km from the airport. It is close to the bus stops (with many routes including the one to the airport), MTR stations, and taxi pick-up points.

There are many restaurants, hotels, shops and tourist attractions nearby.