

2018 JOINT IEEE INTERNATIONAL SYMPOSIUM ON ELECTROMAGNETIC COMPATIBILITY AND ASIA-PACIFIC SYMPOSIUM ON ELECTROMAGNETIC COMPATIBILITY

www.apemc.org www.emc2018.emcss.org



14-17 May 2018, Singapore

Call for Papers

Dear Colleagues:

Once-in-60-years comes the 2018 Joint IEEE International EMC Symposium & Asia-Pacific EMC Symposium (2018 Joint IEEE EMC & APEMC).

During 14-17 May 2018, at the Suntec Convention and Exhibition Center in Singapore, the 60th IEEE EMC will fuse with the 9th APEMC as one Joint IEEE EMC & APEMC Symposium, i.e., 60 + 9 == 2018 in short.

Now, the paper submission portal is still here waiting for you!



Submit SS/TM
Full Papers
(3-6 pages at your choice)

OR

Submit Abstract
Papers
(1- page maximum)



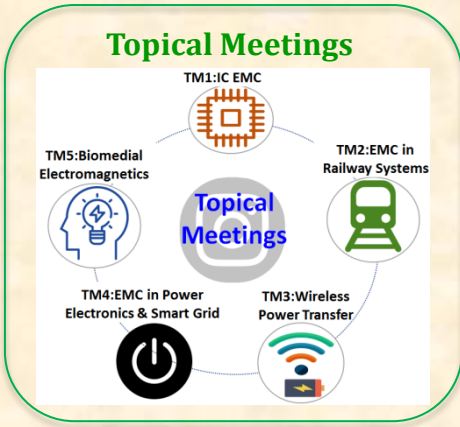
On/before
08 Jan. 2018

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Important Dates

<input type="checkbox"/> Special Session (SS)/Topical Meeting (TM) full-paper submission deadline	08 January 2018
<input type="checkbox"/> Paper Acceptance Notification	January 2018
<input type="checkbox"/> Final Paper Due	28 February 2018

Topical Meetings



Special Sessions



Workshop & Tutorials



Call for Exhibition & Sponsorship
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Call for Experiments & Demonstrations (E&D)

Eligible papers may be published online at the IEEE Xplore, or Special Issues of the IEEE Transactions on Electromagnetic Compatibility and IEEE EMC Magazine.

Plan ahead and join this unique symposium, meet international colleagues, present your latest research findings, share your insight and perspectives, ask questions, learn from experts and innovators, explore collaborations, visit exhibitions and see new products. Experience Singapore, where east meets west, and much more!

See you next May in Singapore!

Symposium President
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Special Session Co-Chair
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Paper Topics of Interest

TC-1 EMC Management

- Personnel & Laboratory Accreditation
- EMC Education
- Legal Issues

TC-2 EMC Measurements

- Test Instrumentation & Facilities
- Measurement Techniques
- Standards and Regulations

TC-3 EM Environment

- EM Signal Environment
- Atmospheric & Man-Made Noise

TC-4 EM Interference

- Shielding, Gasketing & Filtering
- Cables and Connectors
- Circuit & System EMC Analysis
- Grounding

SC-7 Aeronautics and Space EMC

- EMI/EMC Issues in Aircraft, Spacecraft & Space Launch Vehicles, Robotic and Crewed
- EMC Analysis, Design, Test and Performance of Space Systems
- Part, Board, Box, System, Multi-System, Planetary & Interplanetary Levels
- Launch and Space Environments

TC-5 High Power Electromagnetics

- ESD & Transients
- EMP, IEMI & Lightning
- Information Leakage
- Electric Power EMC

TC-6 Spectrum Engineering

- Spectrum Characterization and Modeling
- Design for Spectrally Efficient Systems
- Adaptive Interference Mitigation

TC-7 Low Frequency EMC

- Power Quality and Conducted EMC
- Power Electronics
- Intentional EM Interference
- High Altitude Electromagnetic Pulse
- Lighting
- Electrostatic Discharge
- EM Information Leakage

TC-9 Computational Electromagnetics

- Computer Modeling Methods
- Tools and Techniques
- Validation Methods
- Statistical Analysis

TC-10 Signal and Power Integrity

See *Embedded Conference on SIPI*

TC-11 Nanotechnology & Advanced Materials

- Nanomaterials and Nanostructures
- Smart Materials

TC-12 EMC for Emerging Wireless Technologies

- EMC Planning/Testing/Specifications
- Wireless Coexistence
- Intra-System Interference
- Wireless OTA Testing

SC-1 Smart Grid EMC

- RF Environment
- Performance Degradation

SC-5 Power Electronics EMC

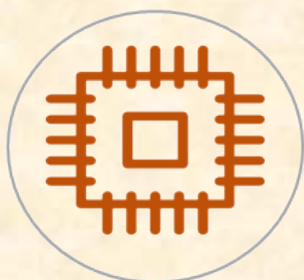
- Power Electronics Converters EMI/EMC
- Switching Frequency Schemes
- Grid-Connected PV Systems, Wind Farms, Automotive, Aerospace, and Comms Systems
- Inverters

SC-6 Unmanned Aircraft Systems EMC

- Spectrum Management on Intra and Inter-System Interactions
- System Level Design, Testing, Modeling/Simulation
- Robust Performance in the Presence of High Intensity Radiated Fields (HIRF)

Mini-Symposium in the General Symposium

TM1:IC EMC



TM2:EMC in Railway Systems



TM3:Wireless Power Transfer



TM4:EMC in Power Electronics & Smart Grid



TM5:Biomedical Electromagnetics



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@ Suntec Convention centre