

EMC Sapporo & APEMC 2019



2019 Joint International Symposium on Electromagnetic Compatibility and
Asia-Pacific International Symposium on Electromagnetic Compatibility, Sapporo

Sapporo Convention Center, Sapporo, Japan

June 3 -7, 2019



2nd Call for Papers

About This Symposium

EMC Sapporo & APEMC 2019 is the 8th "International Symposium on Electromagnetic Compatibility" organized by IEICE-CS, and the first joint symposium under technical co-sponsorship by Asia-Pacific EMC (APEMC). We would like to invite all engaged in research and development in the various fields of electromagnetic compatibility to participate in this Symposium. This EMC Symposium series has a long history and it has been held every 5 years. The first of its series was held in Tokyo in 1984, which was the first IEEE EMC Symposium held outside USA sharing sponsorship with IECE (current IEICE). Ever since the second in 1989, this symposium series has been sponsored by IEICE.

Session Topics

1) EMC Management:

Laboratory Accreditation, EMC Education

2) EMC Measurements:

Standards and Regulations, Radiated and Conducted Emission and Immunity tests, Emission limits, Test Instrumentation & Facilities

3) Electromagnetic Environment:

Natural and Man-made noise source, Control Intentional and Unintentional Emissions

4) Electromagnetic Interference Control:

Shielding, Grounding & Meta-materials

5) High Power Electromagnetics:

ESD and Transients, Lightning EM fields and Currents, EMP and IEMI, Information Leakage

6) Spectrum Engineering:

Adaptive Interference Mitigation, Communications System EMC, Antenna and Wave Propagations

7) Low Frequency EMC:

Power System EMC, Renewables, Electric Vehicles, Energy Efficient Technologies

8) Computational Electromagnetics:

Numerical Modeling

9) Signal and Power Integrity:

Chip, Package, PCB & Cables, Transmission Lines

10) Nanotechnology & Advanced Materials:

Nanomaterials, Nanotubes and Nanofibers for Gaskets and Absorbing Screens

11) EMC for Emerging Wireless Technologies:

Wireless Coexistence, Intra-System Interference, Wireless Power Transfer

12) Smart Grid

13) Power Electronics EMC:

Power Electronics Converters/Inverters EMI/EMC, Grid-Connected PV Systems, Wind Farms, Transportation & Vehicles EMC

14) EMF Safety & Biomedical Issues

Human exposure to ELF/RF EM fields, Biological Effects, Medical Application, Medical Devices & Hospital Equipment

15) Others

Important Dates

August 31, 2018

--- Start of Paper Submission on the Website

October 26, 2018

--- Organized session Proposal Deadline

November 30, 2018

--- Organized session Acceptance Notification

December 24, 2018

--- Paper (Regular/Organized) Submission Deadline

February 18, 2019

--- Acceptance Notification

March 22, 2019

--- Final Paper Submission

* Some other topics are scheduled to be added for the Organized Sessions after the end of Nov. 2018.

* After the symposium, **all accepted and presented full-length papers will be included in the "IEICE Proceedings Archives", and the "IEEE Xplore"**. "No show (not presented)" papers however will not be considered.

Paper Submission

Those who wish to present their scientific work at EMC Sapporo & APEMC 2019 should submit electronically in two-column and either one-page format for abstract submission (in proceedings only, Oral/Poster) or full-length (four-page) format for paper (for IEEE Xplore Publication, Oral) submission through the on-line Paper Submission System at the symposium website. The paper must follow the two-column A4 format of an IEEE Manuscript Template for Conference Proceedings. There are two types of scientific sessions for EMC Sapporo & APEMC 2019; “**Regular Sessions**” and “**Organized Sessions**”. The Regular Sessions will consist of contributed papers only, while the Organized Sessions will be arranged by the Session Organizers (see below).

When submitting a paper, the author will be asked to select “2” session topics that would best match the contents of his/her paper for review. There are “15” session topics for the Regular Sessions, and more topics will be added for the Organized Sessions after the end of November, 2018. Submission for contributed papers will start on **August 31, 2018**, with the deadline on **December 24, 2018**.

All the contributed papers will be fully reviewed by specialists in the EMC field, and the review results will be notified to the authors on February 18, 2019. The authors of accepted papers must register for EMC Sapporo & APEMC 2019 and submit the final camera-ready versions of their papers **no later than March 22, 2019**.

EMC Sapporo and APEMC 2019 Awards

All the contributed papers in the **Regular Sessions (full-length)** are eligible to be considered for the EMC Sapporo and APEMC 2019 Awards. Detailed information about the awards will be updated on the EMC Sapporo & APEMC 2019 website later.

Call for Organized Session Proposals

EMC Sapporo & APEMC 2019 Technical Program Committee calls for **Organized Session Proposals**, which address specific topics of high current interest related to various aspects of EMC. **A prospective organizer should post a proposal** for an Organized Session topic indicating; (1) session title, (2) session description, (3) expected number of speakers and their corresponding topics (list of speakers if possible), (4) expected number of attendees, (5) session organizer(s) information (name, affiliation, and contact information), (6) other information and special requests, if any. The session description should address its category, objectives, contents, originality and timeliness of the proposal, as well as the impact on the EMC community and beyond.

Submit your proposal(s) to the Technical Program Committee by email (emc2019-pc@mail.ieice.org) by **October 26, 2018**. The results for acceptance will be notified by November 30, 2018. Please understand that not all the proposals will be accepted due to the limitations of session slots.

The speakers of the accepted Organized Sessions should submit their papers by December 24, 2018. They also need to register for EMC Sapporo & APEMC 2019 and submit the final camera-ready versions of their papers **no later than March 22, 2019**. Please refer to the Symposium website for further information.

Sponsored by:

The Institute of Electronics, Information and Communication Engineers, Communications Society (IEICE-CS)

Technically Co-sponsored by:

APEMC; IEEE EMC Society; Technical Committee on EMC of The Institute of Electrical Engineers of Japan (IEEE TC-EMC)

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IEEE EMC-S Japan Joint and Sendai Chapters; IEEE Sapporo Section; Technical Group on EMC Technology of Korean Institute of Electromagnetic Engineering and Science (KIEES); Technical Group on EMF and Biology of Korean Institute of Electromagnetic Engineering and Science (KIEES); International Union of Radio Science (URSI); International Electrotechnical Commission, Technical Committee on Electromagnetic Compatibility (IEC/TC77); International Electrotechnical Commission, Technical Committee on Methods for the Assessment of Electric, Magnetic and Electromagnetic Fields Associated with Human Exposure (IEC/TC106); International Special Committee on Radio Interference (CISPR); VCCI Council; The Japan Institute of Electronics Packaging (JIEP)

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