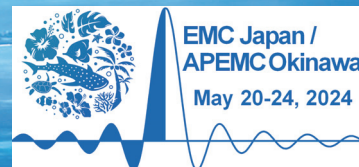


EMC Japan/APEMC Okinawa



The 2024 IEEE Joint International Symposium on Electromagnetic Compatibility, Signal & Power Integrity: EMC Japan/Asia-Pacific International Symposium on Electromagnetic Compatibility

Okinawa Convention Center (Ginowan), Okinawa, Japan

May 20-24, 2024

Call for Papers

About the Symposium

The 2024 IEEE Joint International Symposium on Electromagnetic Compatibility, Signal & Power Integrity: EMC Japan/Asia-Pacific International Symposium on Electromagnetic Compatibility (EMC Japan/APEMC Okinawa) is the second Asia-Pacific EMC Symposium (APEMC) to be held in Japan, following the International EMC Symposium held in Sapporo in 2019 (8th EMC Japan), and is a joint symposium with IEEE EMC+SIPI. The first EMC Japan was held in Tokyo in 1984 and was the first IEEE EMC symposium outside the United States, held jointly with IECE (current IEICE: Institute of Electronics, Information, and Communication Engineers). The EMC Japan series has a long history and has been held in Tokyo, Nagoya, Sendai, Kyoto, and Sapporo every five years since the second IEICE-sponsored symposium in 1989.

The organizers of EMC Japan/APEMC Okinawa are pleased to invite and encourage everyone involved in various fields of electromagnetic compatibility to participate in and contribute to this prestigious event, which will be held for the first time in the resort city of Okinawa.

Session Topics

- EMC Management:** Education for EMC Engineers, Qualification System for EMC Engineers, ISO/IEC 17025, and Site Control and Verification
- EMC Measurements:** Measurement and Instrumentation, Measurement Techniques, EMC Test Facilities, Antenna and Instrument Calibration, Radiated and Conducted Emission and Immunity Tests, Emission Limits, and Test Instrumentation and Facilities
- Electromagnetic Environment:** Natural and Man-made Noise Source, and Control of Intentional and Unintentional Emissions
- Electromagnetic Interference Control:** Shielding, Gasketing, Filtering, Cables, Grounding and PCB Layout, and EMC Product Design and Modeling
- High Power Electromagnetics:** ESD and Transients, Lightning EM fields and Currents, EMP and IEMI, and Information Leakage
- Spectrum Engineering:** Spectrum Sharing, Adaptive Interference Mitigation, Interference Among Wired/Wireless Communication Systems, Antennas, and Wave Propagations
- Low Frequency EMC:** Electric Power System EMC, Power Quality, and Renewables, Electric Vehicles
- Computational Electromagnetics:** EMC/EMI Modeling and Novel Analysis Techniques for EMC/EMI
- Signal and Power Integrity:** Chip, Package, PCB and Cables, and Transmission Lines
- Nanotechnology and Advanced Materials:** Nanomaterials, Materials for Electromagnetic Shielding and Absorbers
- EMC for Emerging Wireless Technologies:** Wireless Coexistence, Intra/Inter-system Interference, and Wireless Power Transfer
- Power Electronics EMC:** DCDC Converter, SiC, GaN, IGBT, Conducted EMI, Radiated EMI, and Snubber, and Ringing
- EMF Safety and Biomedical Issues:** Human Exposure to ELF/RF EM Fields, Biological Effects, Medical Application, Medical Devices, and Hospital Equipment

- Some other topics are scheduled to be added for Special Sessions.
- After the symposium, all accepted and presented full-length papers will be included in the IEICE Proceedings Series and the IEEE Xplore. "No show (not presented)" papers will not be considered.

Important Dates of Regular and Special Sessions

July 2023

Start of Paper Submission on the Website

September 15, 2023

Special Session Proposal Deadline

November 30, 2023

Paper (Regular/Special) Submission Deadline

January 31, 2024

Acceptance Notification

Paper Submission

Those who wish to present their scientific work at EMC Japan/APEMC Okinawa should submit a document electronically in two-column and either one-page format for abstract submission (in proceedings only, Oral/Poster) or full-length (2–4 pages) format for paper (for IEEE Xplore Publication, Oral/Poster) submission through the online 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 Japan/APEMC Okinawa: “**Regular Sessions**” and “**Special Sessions**”. The **Regular Sessions** will consist of contributed papers only, while the **Special Sessions** will be arranged by the Session Organizers (see below). When submitting a paper, the author will be asked to select two session topics that best match the contents of the paper for review. There are 13 session topics for the **Regular Sessions**. Submission for contributed papers will start in **July 2023**, with the deadline of **November 30, 2023**.

All the contributed papers will be fully reviewed by specialists in the EMC field, and the authors will be notified of the results **by January 31, 2024**. The authors of accepted papers must register with EMC Japan/APEMC Okinawa and submit the final camera-ready versions of their papers.

Special Session Proposals

EMC Japan/APEMC Okinawa Technical Program Committee calls for **Session Proposals**, which address specific topics of high current interest related to various EMC aspects.

A prospective organizer should post a proposal for a Special Session topic indicating (1) session title, (2) session description, (3) expected number of speakers and corresponding topics (list of possible speakers), (4) session organizer(s) information (name, affiliation, and contact information), and (5) any other information and special requests.

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 (emc-2024-pc@mail.ieice.org) or by filling out the [Google Forms](#) **by September 15, 2023**. Please understand that not all proposals will be accepted due to the limitations of session slots.

The speakers of the accepted Special Sessions should submit their papers **by November 30, 2023**. All the contributed papers will be fully reviewed by specialists in the EMC field, and the authors will be notified of the review results **by January 31, 2024**. The authors of accepted papers also need to register with EMC Japan/APEMC Okinawa and submit the final camera-ready versions of their papers.

Workshop and Tutorial Sessions Proposals

Workshop and Tutorial Sessions will be organized as educational presentations to provide up-to-date practical help to those new to the subject or requiring an update, as well as to address in-depth topical subjects.

A prospective organizer should post a proposal for a Workshop and Tutorial Session topic indicating (1) session title, (2) session description, (3) expected number of speakers and their corresponding topics (list of possible speakers), (4) session organizer(s) information (name, affiliation, and contact information), and (5) any other information and special requests.

The session description should address the category, objectives, contents, originality, and timeliness of the proposal, as well as its impact on the EMC community and beyond. Submit your proposal(s) to the Technical Program Committee by email (emc-2024-pc@mail.ieice.org) or by filling out the [Google Forms](#) **by October 16, 2023**. Please understand that not all proposals will be accepted due to the limitations of session slots.

The speakers of the accepted Workshop and Tutorial Sessions must register with EMC Japan/APEMC Okinawa and submit their presentation materials (instead of papers).

Important Dates of Workshop and Tutorial Sessions

- October 16, 2023: Workshop and Tutorial Sessions Proposal Deadline

EMC Japan/APEMC Okinawa Awards

All the contributed papers in the **Regular** and **Special Sessions** (full length) are eligible for **EMC Japan/APEMC Okinawa Awards**. Detailed information about the awards will be updated on the EMC Japan/APEMC Okinawa website at a later date.

Please refer to the [Symposium Website](#) for further information.

Information & Contact

E-mail

emc-2024-contact@mail.ieice.org

Website

<https://www.ieice.org/~emc/2024/>

