

—Special Section on Electromagnetic Compatibility in Conjunction  
with EMC Sapporo and APEMC 2019—

The IEICE Transactions on Communications announces that it will publish a special section entitled “Special Section on Electromagnetic Compatibility in Conjunction with EMC Sapporo and APEMC 2019” in the September 2020 issue.

In the Electromagnetic Compatibility (EMC) field, there are conventional research topics such as interference among electronic equipment and on telecommunications. Recently, there raises new research topics with rapid spread of information communication technology : security and interference issue in IoT and wireless technologies and wireless power transfer technology that improves our lifestyle. Moreover, relation between nature phenomenon and electromagnetic environment and bioelectronics interactions are still important topics. The EMC field becomes much important in several many academic and industrial fields. In the June 2019, an international symposium on EMC (EMC Sapporo & APEMC 2019) will be held in Sapporo, Japan and many EMC issues will be discussed there. Because of such reasons, a special section is being planned (scheduled to appear in the September 2020 issue) to further promote research and development of future EMC fields as follows.

### 1. Scope

This special section aims at timely dissemination of research in these areas. Possible topics include, but are not limited to :

EMC Management : *Laboratory Accreditation, EMC Education*, EMC Measurements : *Standards and Regulations, Radiated and Conducted Emission and Immunity tests, Emission limits, Test Instrumentation & Facilities*, Electromagnetic Environment : *Natural and Man-made noise source, Control Intentional and Unintentional Emissions*, Electromagnetic Interference Control : *Shielding, Grounding & Meta-materials*, High Power Electromagnetics : *ESD and Transients, Lightning EM fields and Currents, EMP and IEMI, Information Leakage*, Spectrum Engineering : *Adaptive Interference Mitigation, Communications System EMC, Antenna and Wave Propagations*, Low Frequency EMC : *Power System EMC, Renewables, Electric Vehicles, Energy Efficient Technologies*, Computational Electromagnetics : *Numerical Modeling*, Signal and Power Integrity : *Chip, Package, PCB & Cables, Transmission Lines*, Nanotechnology & Advanced Materials : *Nanomaterials, Nanotubes and Nanofibers for Gaskets and Absorbing Screens*, EMC for Emerging Wireless Technologies : *Wireless Coexistence, Intra-System Interference, Wireless Power Transfer*, Smart Grid, Power Electronics EMC : *Power Electronics Converters/Inverters EMI/EMC, Grid-Connected PV Systems, Wind Farms, Transportation & Vehicles EMC*, EMF Safety & Biomedical Issues, *Human exposure to ELF/RF EM fields, Biological Effects, Medical Application, Medical Devices & Hospital Equipment*, Others.

### 2. Submission Instructions

The standard number of pages is 8. The page charges are considerably higher for extra pages. Manuscripts should be prepared according to the guideline in the “Information for Authors.” The latest version is available at the web site, [http://www.ieice.org/eng/shiori/mokuji\\_cs.html](http://www.ieice.org/eng/shiori/mokuji_cs.html). The term for revising the manuscript after acknowledgement of conditional acceptance for this special section could be shorter than that for regular issues (60 days) because of the tight review schedule.

This special section will accept papers only by electronic submission. Submit a manuscript and electronic source files (LaTeX/Word files, figures, authors’ photos and biographies) via the IEICE Web site [https://review.ieice.org/regist/regist\\_baseinfo\\_e.aspx](https://review.ieice.org/regist/regist_baseinfo_e.aspx) by October 1 2020 (JST). Authors should choose the [Special-MC] Special Section on Electromagnetic Compatibility in Conjunction with EMC Sapporo and APEMC 2019 as a “Journal/Section” on the online screen. Do not choose [Regular EB].

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### 3. Special Section Editorial Committee

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