The IEEE EMC Society and EMC Europe are seeking original, unpublished papers covering all aspects of EMC and technologies that are affected by EMC.

Join your colleagues in Glasgow, Scotland where you can share your insight, ask questions, learn from the experts/innovators and see new products at the 2021 Joint IEEE International Symposium on Electromagnetic Compatibility, Signal & Power Integrity and EMC Europe 2021. Your published paper will be seen by thousands in the EMC community and across the wide array of disciplines that look to the IEEE EMC Society for technical guidance. In addition, it will be uploaded to IEEE Xplore with unlimited exposure.

In addition to Traditional Papers, the EMC Society also invites authors to participate through other formats. Authors who wish to present their work without the burden of writing a full manuscript may submit an extended abstract (see Abstract-Reviewed Papers) instead. Abstract authors will be invited to submit a full-length paper (up to 4 pages) for publication in the IEEE Letters on Electromagnetic Compatibility Practice and Applications (L-EMCPA), which contains substantial additional technical material compared to the one-page abstract published in the symposium proceedings. Together with the invitation, the authors get review comments and feedback from the discussion provided by the session chair.

If there is a Special Topic Area that warrants a dedicated session with papers from a variety of excellent authors, organizers should work with one of the Technical Committees to sponsor a Special Session with invited papers. Workshops and Tutorials offer another way to cover a topic area; presentations from invited speakers are submitted instead of abstracts or papers. Contributors who prefer to present their work as a live experiment or demonstration can submit a proposal for Experiments & Demonstrations.
## FOCUSED AREAS

<table>
<thead>
<tr>
<th>Railways EMC:</th>
<th>EMC Challenges of Railway Network Electrification, digital Railways</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMC in Naval and Maritime Systems</td>
<td></td>
</tr>
<tr>
<td>Space Systems EMC</td>
<td></td>
</tr>
<tr>
<td>Defense Electronics</td>
<td></td>
</tr>
<tr>
<td>EMC in Microelectromechanical Systems (MEMS)</td>
<td></td>
</tr>
<tr>
<td>EMC for Wireless and 5G</td>
<td></td>
</tr>
<tr>
<td>Power Integrity:</td>
<td>Standards and Strategies for Modern Electronic Systems</td>
</tr>
</tbody>
</table>

## TECHNICAL AREAS

### EMC

**EMC Management:**
Personnel & Laboratory Accreditation, EMC Education

**EMC Measurements:**
Measurement & Instrumentation, Antennas, Chambers & Cells

**EM Environment**

**EM Interference Control:**
Shielding, Gasketing & Filtering, Transmission Lines, Cables and Connectors, Crosstalk, Coupling Circuit & System EMC Analysis, Grounding

**High Power Electromagnetics:**
ESD & Transients, UWB, EMP, IEMI & Lightning, Electric Power EMC

**Spectrum Engineering**

**Low Frequency & Power Electronics EMC:**
Power electronics converters EMI/EMC issues, Switching frequency schemes, Inverters, Power Quality and Conducted EMC, EMC in Smart Grids

**System Level EMC**

**EMC in Transport Systems:**
Automotive, Railway Systems, Naval Systems, Unmanned Vehicles

**Computational Electromagnetics:**
Computer Modeling Methods, Tools and Techniques, Validation Methods, Statistical Analysis

**EMC for Emerging Wireless Technologies:**
EMC Planning/Testing/ Specifications, Wireless Coexistence, IntraSystem Interference, EMC in Internet of Things, 5G

**Unmanned Aircraft Systems EMC**

**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 and inter-planetary levels, Launch and space environments

**Advanced Materials, Nano-technology**

### SIGNAL AND POWER INTEGRITY

EMC of Components & Integrated Circuits, PCB, Electronic Packaging & Integration, High-Speed Interconnects, Device Modeling & Characterization, Crosstalk, Jitter, Noise Coupling, BER Analysis, 3D IC & TSV, Power Distribution Networks & Decoupling

### EMC STANDARDS

Standards in development, Critical updates for published standards, Topics for future standardization
PAPER ACCEPTANCE PROCEDURES & CRITERIA

PAPER ACCEPTANCE WILL BE BASED ON THE FOLLOWING CRITERIA

- **Importance of Topic**: Does it have direct significance to the EMC community?
- **Technical Sophistication and Depth**: Does it present information that is a significant contribution, advancement, application, or refinement of the state of the art? Does it expose the reader to a higher knowledge level than currently available from other sources? Is it clear that the work has been substantially completed or is the submission an interim progress report on a long-term project?
- **Readability, Clarity, and Presentation**: Is the value of the submission clearly defined? Is the material written in clear and concise English with topics presented in an organized and logical manner?
- **Novelty and Originality**: Does it propose a new and unique concept or expand on an existing premise from a unique point of view? Does it present new information on an EMC issue that is still in the developmental stage?

STUDENT PAPER CONTEST

Graduate and undergraduate authors are eligible for the Best Student Paper contest. The student must be the primary author and should indicate that they wish to be considered for the contest when submitting the preliminary manuscript. Each student’s professor will be asked to certify that the paper is primarily the work of the student.

STUDENT DESIGN CONTEST

A Student Design Contest is also being held. Obtain the design kit, rules, and award details from the website.
## AUTHOR SUBMISSION SCHEDULE

<table>
<thead>
<tr>
<th>DUE DATE</th>
<th>SUBMISSION TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 February 2021</td>
<td>PAPER SUBMISSIONS</td>
</tr>
<tr>
<td>1 February 2021</td>
<td>SPECIAL SESSIONS PROPOSALS</td>
</tr>
<tr>
<td>12 February 2021</td>
<td>PROPOSAL FOR WORKSHOPS &amp; TUTORIALS</td>
</tr>
<tr>
<td>12 February 2021</td>
<td>EXPERIMENTS &amp; DEMOS PROPOSALS</td>
</tr>
<tr>
<td>19 March 2021</td>
<td>PAPER DECISION NOTIFICATION</td>
</tr>
<tr>
<td>9 April 2021</td>
<td>SPECIAL SESSIONS PAPER SUBMISSION</td>
</tr>
<tr>
<td>9 April 2021</td>
<td>REVISED PAPER SUBMISSION</td>
</tr>
<tr>
<td>7 May 2021</td>
<td>NOTIFICATION OF ACCEPTANCE</td>
</tr>
<tr>
<td>21 May 2021</td>
<td>FINAL PAPER SUBMISSION</td>
</tr>
</tbody>
</table>

SEE WEBSITE FOR MORE DETAILS  
[www.emc2021.org](http://www.emc2021.org)