

EMC 2015

DRESDEN, AUGUST 16-22

Call for Papers



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Joint IEEE International Symposium on Electromagnetic Compatibility and EMC Europe



INFORMATION for Authors

The IEEE EMC Society and EMC Europe are seeking original, unpublished papers covering all aspects of EMC and technologies that are affected by EMC (including but not limited to shielding, ESD, automotive, broadcast, military, wireless, smart grid, and power transmission).

Join your colleagues in Dresden where you can share your insight, ask questions, learn from the experts/innovators and see new products at the 2015 IEEE International Symposium on Electromagnetic Compatibility. 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.

PAPER TOPICS of Interest

Topics include and are not limited to the following technical areas.

TC-1 EMC Management

- EMC Personnel Accreditation
- Laboratory Accreditation
- EMC Education
- EMC Legal Issues

TC-2 EMC Measurements

- Test Instrumentation
- Measurement Techniques
- Emissions and Immunity
- Standards and Regulations
- Test Facilities

TC-3 EM Environment

- EM Signal Environment
- Atmospheric Noise
- Man-Made Noise

TC-4 EM Interference

- Shielding, Gaskets & Filtering
- Cables and Connectors
- Coupling
- System EMC Analysis
- Grounding
- PCB Issues

TC-5 High Power Electromagnetics

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

TC-6 Spectrum Engineering

- Spectrum Management
- Spectrum Monitoring

TC-7: Low Frequency EMC

- Conducted EMC
- EMC in Power Systems
- Power Quality

TC-9 Computational Electro- magnetics

- Computer Modeling
- Model Validation
- Statistical Analysis

TC-10 Signal and Power Integrity

- Packaging
- Model Parameter Determination
- Device Modeling
- Crosstalk

TC-11 Nanotechnology & Advanced Materials

- Nanomaterials
- Nanostructures
- Carbon Nanotubes
- Nanofibers
- Smart Materials

SC-1: Smart Grid EMC

- Renewables
- Smart Grid Applications
- Energy Efficient Technologies

SC-4: EMC for Emerging Wireless Technologies

- EMC Planning/Testing/Specification
- Wireless Coexistence
- Intra-System Interference

Special Track: Automotive EMC

- Electromobility
- Wireless Technologies in Vehicles
- Standardization
- BUS-Systems

Author Submission Schedule
Preliminary Full Paper Manuscript:
November 1, 2014 - January 30, 2015
(late papers will not be accepted)

See website for more details
www.emc2015.org

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AUTHOR SUBMISSION SCHEDULE

- **Preliminary Full Paper Manuscript and Workshop, Tutorial:**

November 1, 2014 -
January 30, 2015
Late submissions will
not be accepted.

- **Special Sessions:**

Submission: October 19

- **Acceptance Notification:**
March 13, 2015

- **Final Paper and Workshop / Tutorial Material Due:**
April 30, 2015

PAPER FORMATS

- **Traditional Oral Presentation:**
Presentation for those interested in presenting to large groups with limited potential for interactions with attendees. Six-page paper maximum, 20-minute presentation with a 10 minute question and answer session afterward.

- **Poster Paper:**
Presentation for those interested in direct interaction with individuals or small groups.

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STUDENT PAPER CONTEST

Graduate and undergraduate authors are eligible for the Best Student Paper contest. Students must be the primary authors of their papers and should indicate that they want to be considered for the contest when submitting the preliminary manuscripts. Each student's professor will be asked to certify that the paper is primarily the work of the student. A Student Design Contest is also being held. Obtain the design kit, rules, and award details from the website: www.emcs.org.

GUIDELINES FOR AUTHORS & SUBMITTAL PROCEDURES

- Prospective authors must submit electronically.**
- Preliminary manuscript (5500 words approximately) with up to 6 pages filled with diagrams, figures, or charts (hand-drawn illustrations accepted).
- Presentation format (traditional oral or poster paper).
** Preliminary manuscripts and final papers are to be submitted through our website after November 1, 2014.

Check back with the symposium website (www.emc2015.org) for updates on the paper submission process.

During the electronic submission process, a unique author code will be created for tracking purposes. Submissions will be reviewed anonymously by the EMC Society Technical Committees so please do not include author names or affiliations on the Preliminary Manuscript. Failure to do so may result in rejection.

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?

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...sent new information on an EMC issue