

**IEEE ELECTROMAGNETIC COMPATIBILITY SOCIETY
SPECIAL COMMITTEE 1, SMART GRID AND EMC ISSUES
Meeting at IEEE EMC Symposium Grand Rapids, Michigan U.S.A.
Monday evening 31 July
5:30pm-6:30pm (EDT)
River Overlook A (Convention Center)**

Via WEBEX at:
Meeting URL: <https://ieeewebex.com/ieeewebex>
Meeting Number: 2631 098 1843
Password: Virtual2023

AGENDA

1. Welcome and Introductions (Mike McInerney, Chair)
2. Summary of scope of Committee:
<http://www.emcs.org/special-committee-smart-grid.html>
Membership
3. Review and approval of the minutes from the Spokane meeting held in August 2022.
4. SC 1 2023 EMC Symposium participation: Tutorial and paper review.
5. Review of Action Items and discussion of new items:
ACTION ITEM 2022-1: Jerry Ramie volunteered to provide link to SEPA white papers on Smart Grid. See attachment for this information.
ACTION ITEM 2022-2: Dave Thomas will consider organizing an in-person SC 1 committee meeting at EMC Europe 2022.

Identify new action items through discussions.
6. Discussion of scholarship offered by USNC of the IEC for students in the EMC field. Note that this scholarship was set up as a way to honor the late Don Heirman, one of the most prominent experts on EMC. (See Attachement.)
7. Member reports:
To Be Determined.
8. Plans for 2024:
Discuss the possibility of a joint or separate SC 1 tutorial dealing with Smart Grid topics in 2024.
9. Coordination of EMC TCs with SC 1:
Review commitments from other IEEE EMC Technical Committees to participate in SC 1 activities.
10. Old Business.
Don Heirman suggested that SC 1 should prepare a position paper regarding Smart Grid EMC activities in the IEEE. This will be a 1-page paper that will have to go first to the EMC Board of Directors and then on to the IEEE Headquarters. Of course, the text of the position paper must be first decided by SC 1. This activity was postponed. Should it be reactivated?
11. Review of meeting action items.
12. Officer's election for three-year term 1 January 2024 to 31 December 2026.

- 13.** Next In-Person Meeting(s):
2024 IEEE International Symposium on EMC and SIPI, Phoenix, Arizona U.S.A. August
5 - 9, 2024.
Is there interest in holding a meeting at other EMC conferences?

- 14.** Adjournment

ATTACHMENT

USNC Communications Committee

Proposal to Offer an Electromagnetic Compatibility (EMC) themed Annual Scholarship Opportunity in honor of Don Heirman

Abstract:

As a way to honor the late Don Heirman, one of the most prominent experts on electromagnetic compatibility (EMC), the USNC Communications Committee recommends offering an annual scholarship opportunity for students and young professions interested in EMC. We hope through this scholarship program, we can encourage further involvement in EMC, and keep the memory of Don Heirman alive within the USNC community.

Structure

The following structural details are recommended:

- **Audience:** the target audience for the USNC paper competition is open to students enrolled full- or part-time in associate, undergraduate, or graduate programs during the period of September 2023 to June 2024 in U.S. higher education institutions.
- **Advertising:** USNC will use the following outlets: press release, colleges/universities, professional associations, and the *USNC Current*.
- **Timing:** The USNC paper competition will run annually from the first Monday in November to the first Friday in June.
- **Topic:** EMC is the general topic for this paper competition. The group brainstormed ways to make this topic more specific without discouraging participation. Some ideas discussed were:
 - Why is EMC important?
 - Share EMC practice
 - Discuss EMC policy
 - Pressing EMC issue
 - Future need within EMC
 - Current challenges in EMC
 - If you could change one thing about EMC what would it be?Additional discussion is needed to determine the topic/prose each year.
- **Criteria:** The group has decided on the following criteria:
 - Under 2,000 words (no abstract needed)
 - Single author, original work of the author
 - Submitted in English, electronic format, 12 point font
- **Submission:** Applications will be submitted electronically to USNC staff. Along with confirmation of receipt, applicants should receive information on how they can become engaged with the USNC. This would include YEP Committee and

Mentoring Program information for professionals (or soon-to-be professionals), and a link to the USNC website and resources/training for students.

- Judging: Judging of this paper competition will be shared between the USNC Communications Committee and the YEP Committee. Interested subject matter experts will also have the opportunity to participate in the judging process.
- Award: Winners will receive a cash prize of \$1,000, a certificate, their article published in the *USNC Current*, and recognition on the USNC webpage.

Needed Resources:

The Communications Committee recommends awarding one annual recipient with a \$1,000 cash reward, for a duration of 10 years. If funding allows, the scholarship could extend beyond the proposed 10 years.

Monitoring Process

To ensure the scholarship program meets the desired goal of supporting young and emerging professionals interested in or entering the EMC field, the Communications Committee will remain amendable to structural modifications. Application numbers and quality of submissions will be monitored and structural adjustments will be made as necessary, on an annual basis, to facilitate a strong audience appeal.