



**IEEE Electromagnetic Compatibility Society
Technical Committee 4: EM Interference Control
Fall Planning Meeting**

Agenda

Date: Wednesday, Sept. 20, 2023

Time: 2:00 PM UTC (9 AM Central time)

Place: Zoom

Meeting URL:

<https://umsystem.zoom.us/j/99770790653?pwd=d3I1SldHN29LbGhGajZnZ3pKRS82QT09&from=addon>

Meeting ID: 997 7079 0653

Passcode: 090234

1. **Welcome & Introductions**
2. **Approval of Aug. 2, 2023 Meeting Minutes – Approved**
 - a. Joint workshop with TC11 (?) – follow up with Marina Koledintseva
 - b. “202-style content” – Karen to follow up with Kajsa Johnson
 - i. Fill in gaps between intro content and advanced content
 - ii. “Cutting the copper tape” workshop was very popular in Grand Rapids
 - iii. Joe Tannehill interested in contributing
 - c. Standards-related sessions
 - i. P2855 – Charles Jullien, look at simulation & modeling for cable and connector characterization
 - ii. Shielding characterization, Davy Pissort
 - iii. 299/299.1
 - d. “Spooky side of EMC” – Matt Juszcyk
 - i. Weird war stories, examples
 - e. Special sessions – Daryl Beetner
 - i. AI/ML
 - ii. Switched mode power supply design
3. **Planning for TC4 Activities at 2024 Symposia and Conferences**
 - a. APEMC, May 20 – 24, 2024, Okinawa Japan
 - i. Daryl Beetner, Anne Roc’h may be attending
 - b. EMC Europe, Sept 2 – 5, 2024, Bruges Belgium
 - i. Davy Pissort is Conference Chair, welcomes session proposals
4. **Update on EMC Certification Exam Activities**
 - a. Thanks to those who have submitted questions: Charles Jullien, Matt Halligan, Finbarr O’Connor, Daryl Beetner
 - b. Have been submitted to Ad Hoc, looking for feedback to improve questions
5. **Other Business**



- a. TC4 portion of EMC-S website is accessible and has been updated
- b. Will send survey in early Jan 2024 for potential paper reviewers
- c. Next meeting planned for Phoenix Symposium, 2024

6. Adjourn

Attendance:

Daryl Beetner

Karen Burnham

Jim Knighten

Matt Halligan

Mark Steffka

Jamal Shafii

Pavi Radhakrishnan

Ashish Gupta

Monrad Monsen

Matt Juszczuk

Joe Tannehill

Chuck Bunting

Davy Pissoort

Zachary Pearce

Marina Koledintseva

Nick Orphanos

Charles Jullien

IEEE EMC Society TC4 – Electromagnetic Interference Control

Sept. 20, 2022 meeting

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TC4 – Electromagnetic Interference Control

Slide 1



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Agenda

- ▶ Welcome
- ▶ Approval of Aug. 2, 2023 Meeting Minutes
- ▶ Planning for TC4 Activities at 2024 Symposia and Conferences
- ▶ Update on EMC Certification Exam Activities
- ▶ Other Business
- ▶ Adjourn



TC4 – Electromagnetic Interference Control

Slide 2



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TC4 Contributions to Upcoming Workshops / Symposia

- ▶ Want to add more technical value for folks interested in interference control
- ▶ Suggested possibilities for 2024 EMC+SIPI Symposium:
 - Joint workshop with TC 11 on materials for emissions control (Marina Koledintseva)
 - Workshop on EMC debugging / mitigation (Kajsa Johnson)
 - *Possible* joint session with Standard Committee (Karen Burnham)
 - Tutorial on “the spooky side of EMC” (Matt Juszczyk)
 - Modeling of shielding and cable – P2855 (Charles Jullien)?
- ▶ Other ideas?
 - EMC in transportation (cars, planes, tractors, etc)?
 - AI/ML for emissions control (with new SC)?
 - Design of switched power supplies with SC 5 (power electronics)
 - Design of wiring harnesses and connectors for emissions control?
 - Etc.



TC4 – Electromagnetic Interference Control

Slide 3



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TC4 Contributions to Upcoming Workshops / Symposia

- ▶ How about other conferences / workshops?
 - APEMC 2024 (May 20-24, 2024, Okinawa, Japan) - <https://www.ieice.org/~emc/2024/> (SS due Sept. 29, 2023)
 - EMC+SIPI 2024 (Aug. 5-9, 2024) - <https://www.emc2024.org/> (SS due Dec. 13, 2023)
 - EMC Europe 2024 (Sept. 2-5, 2024 Bruges, Belgium) - <https://emceurope2024.org/> (SS due Jan. 22, 2024)



TC4 – Electromagnetic Interference Control

Slide 4



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Update on EMC Certification Exam Activities

- ▶ Thank you to those who submitted example questions for the exam:
 - Charles Jullien
 - Matt Halligan
 - Finbarr O'Connor
 - Daryl Beetner
- ▶ Expect ad hoc EMCS subcommittee to review and provide feedback in the future.
- ▶ Industry Advisory Board created at behest of ACIL. EMCS asked to try for 3-6 months to resolve issues with Exemplar Global and iNARTE exam. Monthly meetings.

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Agenda

- ▶ Other business
 - EMCS web site can be updated again. TC-4 up-to-date.
 - Will send a survey around Jan. 2024 for possible EMC+SIPI 2024 paper reviewers
 - Next meeting: EMC+SIPI Symposium 2024
 - Anything else?
- ▶ Adjourn

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