



**IEEE Electromagnetic Compatibility Society  
Technical Committee 4: EMI Control Annual Meeting**

**Agenda**

**Place: Virtual, via WebEx**

**Date: Thus, 29 Sept 2022**

**Time: 16:30 – 17:30 (Eastern)**

**Room: N/A**

**Meeting Commence: 16:30**

Meeting attendees: Daryl Beetner, Karen Burnham, Marina Koledintseva, Jim Knighten, Nick Orphanos, Randy Jost, Ken Hillen, Finbarr O’Connor, Zachary Pearce, Todd Hubing, Huadong Li, Jacob Dixon, Jamal Shafil, , Charles Julien, Pavi Radhakrishnan, Davy Pissoort

**1. Welcome & Introductions (Chair)**

**2. Review and approval of the August 3, 2022 meeting minutes**

- a. Incomplete, missing attendance list
- b. Will update and then approve at next meeting

**3. Contributions to upcoming Workshops/Symposia**

- a. Session on Shielding and Standards – Grand Rapids
  - i. Invite papers from special edition of Transactions on EMC to present
  - ii. Pavi is lead, with help from Davy
- b. Tutorial on Hands on Troubleshooting – Grand Rapids
  - i. Will organize over email
  - ii. Karen and Kajsa
- c. Tutorial with TC11 on Materials – Grand Rapids
  - i. Marina K. with Mark Montrose
  - ii. IEC/TC113 on nanotechnology for electronics products and systems
    - 1. Could use TC4/TC11 inputs
- d. Workshop on Shielding for Mobility – Grand Rapids, EMCEurope
  - i. Anne Roc’h
- e. Workshop on Cable and Connector characterization (P2855) – Grand Rapids
  - i. Charles Julien
  - ii. Capturing research being done by P2855 committee



- iii. Some debate on workshop vs. special session submission
  - 1. Special session gets peer review; publication
  - 2. Workshop may be appropriate for work-in-progress
- f. Invitation to consider workshop/special session/tutorial submissions to other conferences such as GEMCon and APEMC

#### **4. Standards**

##### **a. Review of status**

- i. P2710 – Shielding of portable devices - Alistair Duffy (Chair) as relayed to TC4 chair
  - 1. Second PAR approved
  - 2. First working meeting week of Sept 19
- ii. P2715 - Planar Materials – Davy Pissoort (Chair)
  - 1. Addressing comments on draft
  - 2. Will re-submit for balloting
- iii. P2716 - Board level shielding – Davy Pissoort (Chair)
  - 1. Addressing comments on draft
  - 2. Will re-submit for balloting
- iv. P1128- RF absorber evaluation
  - 1. Zhong Chen (Chair) not present
- v. P2855-Cable Qualification Requirements – Huadong Li (Chair)
  - 1. Continuing monthly working group meetings
  - 2. Drafting Chapter 7 on test methods
- vi. IEEE 299 and 299.1 have expired
  - 1. New PAR will need to be submitted, Davy hopes to do so in the future

#### **5. Other actions to improve impact**

- a. Daryl talking to IEEE re: podcast
- b. Young Professional outreach
  - i. At YP events at Grand Rapids
    - 1. Karen will reach out to Patrick/Louann to find a person to address gathering
  - ii. No YP at EMC Europe, possibly not at APEMC either
    - 1. May want to encourage efforts to organize similar groups at those conferences

#### **6. Thanks to paper reviewers and organizing sessions/workshops/panel at IEEE EMC+SIPI 2022**



## 7. New business

- a. Daryl will send out survey to gauge if people will serve as reviewers
- b. Next meeting likely EMC+SIPI Symposium 2023

**Meeting adjourned:** 17:20 (Eastern)

## Action Items

Minutes submitted by: Karen Burnham, Secretary, TC-4 ([karen.burnham@ieee.org](mailto:karen.burnham@ieee.org))

# IEEE EMC Society TC4 – Electromagnetic Interference Control

Sept. 29, 2022 meeting

Zoom:

(<https://umsystem.zoom.us/j/96149405279?pwd=V1F3WVFLT3NNWnFIMFN6MzRZNFFUT09&from=addon>)



TC4 – Electromagnetic Interference Control

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## Agenda

- ▶ Approval of Aug. 3, 2022 minutes
- ▶ Contributions to upcoming workshops and symposia
- ▶ Updates to standards
- ▶ Additional areas where TC4 can improve impact?
- ▶ Thank you to TC4 reviewers
- ▶ Other business
- ▶ Adjourn



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## TC4 Contributions to Upcoming Workshops / Symposia

- ▶ Want to add more technical value for folks interested in interference control
- ▶ Upcoming conferences:
  - GEMCCon, UK (Date/location TBD – likely late Nov.)
  - GEMCCon, BALI (Jan. 19-20, 2023 Bali, Indonesia) - <http://www.gemccon2023bali.org/> (Papers due Oct. 31, 2022 – SS to Flavia Grassi and Ilman Sulaeman right away)
  - APEMC (May 22-24, 2023, Bengaluru India) - <https://apemc-incemic-2023.org/> (Assume SS due early Dec., 2022)
  - EMC+SIPI 2023 (July 31-Aug. 4, 2023 Grand Rapids, Michigan) - <https://emc2023.org/> (SS due Dec. 14, 2022)
  - EMC Europe (Sept. 4-8, 2023 Krakow, Poland) - <https://www.emceurope2023.org/> (SS due Jan. 16, 2023)
  - French EMC Conference, Toulouse, FR, June 13-15, 2023 (papers due around end of Dec. 2022)

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## TC4 Contributions to Upcoming Workshops / Symposia

- ▶ Relevant actions from last meeting:

Action point	Topic	Owner
3	Suggestion - Organize SS on Shielding and Standards	Pavi Radhakrishnan
4	Suggestion - Organize SS on "Hands-on troubleshooting/debugging Emission/ Filtering / Shielding,"	Karen Burnham
5	Suggestion - Organize SS/Workshops/Tutorials with TC11 on the "Physics behind the scenes for Material: mechanics, material science, thermal science"	Mark Montrose + Marina Koledintseva
6	Suggestion - Workshop on Emerging Challenges in Shielding for Mobility	Anne Roc'h
7	Suggestion - Workshop related to P2855	Charles Jullien

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## TC4 Contributions to Upcoming Workshops / Symposia

- ▶ Ideas:
  - IEEE/EMCS Bylaws allow Technical Committees to run their own workshops and symposia
  - Workshops could be repeated at multiple conferences (with/without different speakers – depending), and run by different folks each time
  - Would like to hit at least biggest three conferences
  
- ▶ New actions?

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## Standards Updates?

- ▶ P2710 – Shielding of portable devices - Alistair Duffy (Chair)
- ▶ P2715 - Planar Materials – Davy Pissoort (Chair)
- ▶ P2716 - Board level shielding – Davy Pissoort (Chair)
- ▶ P1128 - RF absorber evaluation – Zhong Chen (Chair)
- ▶ P2855 - Cable Qualification Requirements – Huadong Li (Chair)

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## Additional Ways to Improve Impact

- ▶ Beyond standards and special sessions/workshops/etc., how can we add value to members/EMCS?
- ▶ Relevant actions from last meeting:
  - Podcast for the EMC Society for TC4 - Beetner



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## Contributors – Thank You!

- ▶ Paper reviewers, IEEE EMC+SIPI 2022:

Karen Burnham	David Inman	Valter Mariani Primiani
Christos Christopoulos	Charles Jullien	Anne Roc'h
Mart Coenen	Jim Knighten	Jamal Shafii
John Dawson	John Kraemer	Adrian Suarez
Mattias Hampe	Huadong Li	Joe Tannehill
Ken Hillen	Mark Montrose	
Todd Hubing	Davey Pissoort	
- ▶ Sessions/workshops/panels, IEEE EMC+SIPI 2022:

Todd Hubing	Daryl Beetner	Karen Burnham
Wei Zhang	Mark Steffka	
John Kraemer	Shengxuan Xia	



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## Agenda

- ▶ Other business?
  - Will send a VERY BRIEF survey to see who is willing to serve as reviewer
  - Next meeting: EMC+SIPI Symposium 2023
- ▶ Adjourn