



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

Meeting Minutes - Draft

Place: Virtual, via WebEx

Date: Monday, 10 August 2020

Time: 1500 – 1630 (Central Time)

Room: N/A

Meeting Commence 15:00 Central

- 1. Welcome & Introductions (Chair)**
- 2. Review and approval of the July 22, 2019 meeting minutes (Secretary)**
 - a. Approved as on EMCS website
- 3. Review action items from 2019 meeting (Chair)**
 - a. Complete and closed
- 4. Review of TC-4 Charter and Membership Criteria (Chair)**
 - a. Current charter

This committee is concerned with design, analysis and modeling to minimize undesired electromagnetic energy to achieve EMC, both emissions and immunity. Items within the scope of this committee include design techniques and implementation associated with component packaging, PCB layout, shielding, bonding, grounding or referencing, interconnects and filtering.

- 5. Review of the Committee Membership (Secretary and Chair)**
- 6. Review of the Committee Website (Vice Chair)**
- 7. Items from TAC meeting (Vice Chair)**
 - a. TAC challenge to look at extending TC activities outside of Symposium
 - b. Potential for mid-year meeting, greater outreach
- 8. Summary of 2020 Activities (Chair)**
 - a. Virtual Symposium

- i. Paper reviews
- ii. Technical and Special Sessions
- iii. 2 Tutorials and workshops
- iv. EMC-S TAC participation
- v. New standard PAR (P2855, Huadong Li)

9. Standards

- i. P2710 – Shielding of portable devices - Alistair Duffy (Chair)
 - 1. Increase in consumer market for these devices, much larger range of offerings
 - 2. P2710 is behind schedule
 - 3. Meeting as part of 2020 Symposium, August 26th
 - a. Seeking new members to reinvigorate the effort
- ii. P2715 - Planar Materials – Davy Pissoort (Chair)
 - 1. Ongoing for more than two years
 - 2. Monthly meetings
 - 3. Round-robin testing is on-going (6 or 7 participating labs), 95% complete, some Covid-related delays
 - 4. Will be asking for extension to allow to complete testing
- iii. P2716 - Board level shielding – Davy Pissoort (Chair)
 - 1. Round robin testing, 80% complete
 - 2. Document is being drafted
 - 3. Expected to come in after P2715
 - 4. Monthly meetings ongoing
- iv. P1302 – Conductive Gasket Characterization - Davy Pissoort (Chair)
 - 1. Document completed and voted
 - 2. Meeting at 2020 Symposium
 - 3. May form a maintenance committee
- v. P1128- RF absorber evaluation
 - 1. No one present for update
 - 2. Noted as “not being worked” in 2019
 - 3. SDECom is aware and will discuss at Symposium meeting
- vi. P2855-Cable Qualification Requirements – Huadong Li (Chair)
 - 1. Has been assigned a PAR number and meetings are on-going
 - 2. Charter has been approved
 - 3. Defining the standard scope of topics
 - 4. 18 voting members
 - 5. Next meeting: Aug 27, 2pm EST, as part of 2020 Symposium



10. **Plans for April 30 – May 6, 2021 Symposium in Raleigh, NC (Chair)**
 - a. Huadong Li, Cable connector design
 - i. Karen Burnham, Cable modeling, to contribute
 - b. Daryl Beetner to organize session on fundamentals of grounding/bonding
 - c. Oct 19, 2020 submission date

11. **Plan for July 30 – Aug 6, 2021 Symposium in Glasgow, Scotland (Chair)**
 - a. Mark Montrose & Ken Hillen, PCB Design for EMC Control
 - i. Need additional presenters
 - ii. Daryl Beetner may contribute
 - b. Davy Pissort to organize session around P2715 effort
 - c. Likely December submission deadline

12. **Election of Officers (Chair)**

- a. William Wantz, Chair
- b. Karen Burnham, Vice-Chair
- c. Daryl Beetner, Secretary
- d. Officer terms to start Jan 1, 2021

13. **New business**

- a. Randy Jost from EDCom:
 - i. EDCom looking for foundational education material for EMCS website, especially on core topics like those of TC4
 - ii. Relatively short material with references for further reading/research
 1. Daryl Beetner, William Wantz, may be able to contribute
- b. Chair to organize and send out information for meeting in September

Meeting adjourned time. # Attendees.

Action Items

- John Kraemer to ensure that updated Charter is included in conference publications going forward [Closed]

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