



MEETING NOTES

TC1 EMC Management Meeting – 2023 EMC-SIPI Symposium Friday, Feb 10, 2023, 11:00 a.m. CDT (UTC-5)



Attendees: Tom Braxton Karen Burnham, Doug Kramer, Domenico Festa, David Staggs, Randy Jost, Ujjwal Sharma, Kimball Williams, Keith Armstrong, Dan Hoolihan

- **2023 Symposium**
 - a. **Paper submissions**
 - i. Paper reviews for the symposium are currently in progress. 4 papers from TC1 are currently in the pipeline.
 - ii. No update on workshops & tutorials
 - iii. **Action:** Tom to receive a copy of spread sheet with dates, paper submissions and Technical Committees involved.
 - iv. **Action:** Karen to check about the standards relevant to ham radio operators
- **Status of TC1 special committee reviewing INARTE accreditation status (Tom Braxton)**
 - a. American Council of Independent Laboratories (ACIL) has sent a letter to the IEEE EMC board of directors & executives of exemplar global concerning the termination of MoU. This was discussed in the board of directors meeting 2 days ago.
 - b. Tom has provided a response to ACIL's letter with justification.
 - c. The Outlines for qualifications, topics of examination, mechanism to keep the certification current are developed.
 - d. The package of recommendation to the Board of directors is slated to be submitted before the deadline of March 10th.
- **EMC training – updates on demo circuit-board construction (Louann Mlekodaj, Tom Fagan. Randy Jost)**
 - a. This work is progressing well. Currently a plan is being developed for some demonstrations of the boards.
 - b. Overall, the intent of this activity is to create a set of tools for EMC training to demonstrate common EMC phenomena. The designs for the boards and software would be made freely available in GitHub while the physical boards may be made available at schools, universities, companies etc.,
- **Follow-up on new training ideas (mid-career, Global University, etc.) discussed in Spokane**
 - a. This task's intent is to curate the available courses and training offered by independent consultants as a technical society.
 - b. An idea was brought about mid-career engineers taking up amateur radio operator license as an opportunity to enhance their learning and development experience.
 - c. IEEE does have an amateur society club. Interested members can consider learning more about it and join.
- **TC1 support for the ELISE program studying EMC resilience (Davy Pissoort)**
 - a. No update on this topic this week.
 - b. This topic in a nutshell is a research program intended to study the EMC effects and mitigation by academic research teams. This involves topics pertaining to EM resilience. (Note: kindly refer to past meeting notes for a detailed description of this topic)
 - c. This is one of the 3 research programs called PETER , ETERNITY and ELISE. All three are not entirely about EMI risk.
 - d. At this stage PETER program is approaching the finish line while ETERNITY program is starting. The ELISE program on the other hand is about to get started.
- **1848 for Railways standard development update (Keith Armstrong)**
 - a. The overall objective of this standard can be summarized as *Managing Risks caused by EMI*. (Note: Kindly refer to past meeting notes for detailed description of the standard)
 - b. No update about the Railway PAR submitted by Joe Cosgrave.
 - c. **Action:** Tom to touch base with Joe Cosgrave or Jennifer about the PAR submission.

- d. The team developing the Machinery specific component of this standard is making good progress.
- e. Regarding the medical devices, Keith has recently submitted a draft to IEC TR 60601-4 series.
- Other Topics
 - Update Website – keep current with chapter officers.
 - Listserv – An independent company that IEEE Contracted with – Consider obtaining training from them.
 - Welcome New members – Ujjwal Sharma
- Limited attendance minimized discussion on pending items:
 - ELISE program
 - Global University discussion: looking towards an on-line event.

Action Items:

Owner	Action Item	Status
Kimball Williams	Recruit volunteers for EMCS 2023 in Grand Rapids	Ongoing
Randy Jost	Develop outline for mid-career training TC1 to coordinate with EdComm	Open
Sarah Seguin	TC1 to contact GU team to look at updates and expanding and updating GU topics	Open
Tom Braxton	Bring question to BoD on dual track	Add a virtual component to Symposium; request BoD to poll members of EMCS.
Kimball Williams	Ask Keith Frazier from Ford about speaking on testing variability	Open
Dan Hoolihan	To contact Janet about an event/workshop, news, and updates on activities on C63.	Open
Tom Braxton	To respond on the PAR submitted by Joe Cosgrave regarding IEEE 1848. Recommend if any changes needed.	Open
Tom Braxton	Work with Janet to publish available EMC courses/tutorials in EMC website cleared by TC1. As part of TC1's Mid-career training item.	Open
Tom Braxton	Ask Janet to update the website with the details about the newly elected VPs and other members	Open
Kimball Williams	Develop the idea about soft skills/team building and send to Tom. This could potentially be valuable to a newly appointed manager who needs to make a cohesive team with the people assigned to him/her	Open
Tom Braxton	To receive a copy of spread sheet with dates, paper submissions and Technical Committees involved.	Open
Karen Burnham	To check about the standards relevant to ham radio operators.	Open
Louann Mlekodaj	proto board development	In-Process

Closed Action Items:

Owner	Action Item	Status
Dom	To share the new EU directive about no uncertainty to share it with the TC1 members	Closed
Doug Kramer Tom Braxton	Talk to Rachel Norrod regarding Podcast and EMC Society promotion	Closed
Tom Braxton	To talk to Vignesh about IEEE withdrawal from iNARTE MoU and ask for a public announcement about it.	Closed
Tom Braxton	TC1 to review existing letters and draft a letter for engineers to use to get approval for attendance	Closed
Tom Braxton	To talk to Sarah and John Lasselle to propose that TC1 being a clearing house/directory of the training material available in the public domain. Instead of creating a new training altogether.	Closed
Tom Braxton	To contact Karen Burnham about making a proposal on this topic.	Closed
Tom Braxton	Talk to Vignesh about the Angel support. Copy Kim in that conversation.	Closed