



**IEEE EMC Society**  
**Technical Committee 4 – EMI Control**  
<http://www.emcs.org/committees/tc04/index.html>

**Meeting Minutes**

Place: David L. Lawrence Convention Center, Pittsburgh, PA, USA

Date: 08 August 2012

**1 Welcome & Introductions**

The meeting called to order at 1200 by Bruce Archambeault, TAC Chair, in the absence of the Committee chairman. Attendees introduced themselves.

**2 Sign In Sheet**

The attendance sheet was passed around for signature.

**3 Review of Draft Agenda**

A draft agenda for the meeting was not available for review and acceptance.

**4 Announcements**

None

**5 Last Meeting's Minutes**

Minutes from the 2002 meeting in Minneapolis, MN, USA were reviewed and accepted without changes.

**6 Action Items**

None

**7 Old Business**

None

**8 New Business**

8.1 TC Officer Elections

Mr. Archambeault called for new officer elections due to the inability of the current officers to commit sufficient effort to properly manage and execute the business of the technical committee. Nominations were sought for a new slate of officers. The following nominations were made:



Chairman: Phil Berger  
Vice-Chairman: John Kraemer  
Secretary: Ross Carlton

The members in attendance voted to elect the nominated slate of officers by acclamation.

Subsequent to the elections Mr. Archambeault discussed the purpose of the EMCS TCs and the expectations of the TAC. Mr. Berger then explained his vision for the TC followed by general discussion by the membership.

## 8.2 Program of Work Discussion

Mr. Berger requested that the members in attendance offer their thoughts on the activities which should be the focus of the TC:

- Mr. Phipps suggested a need to focus on grounding and field coupling.
- Mr. Carlton suggested that the TC sponsor a special session or workshop/tutorial on EMI control technologies for the next Symposium.
- Mr. Montrose suggested a need to focus on materials science and emerging technologies.
- Expanding on the grounding topic, Mr. Drewniak offered to organize a 1/2-day tutorial on grounding with respect to safety, EMC, power distribution, etc.
- Expanding on the EMI control technologies topic, Mr. Kraemer suggested the tutorial format with input from selected vendors.
- Mr. Arafles suggested that the TC should look into authoring standards/handbooks on EMI control.
- Ms. Spaulding questioned how such guidance might need to change as technology changes and the resulting impact on published documents (i.e. maintenance).
- Mr. Bush suggested a focus on system-level EMI control technologies (e.g. lightning protection)
- Considering the number of potential focus areas, Mr. Archambeault suggested the formation of working groups or subcommittees under the TC as a way to focus effort and to build membership.
- Mr. Montrose expressed his willingness to look into organizing a session around materials science for EMC practitioners. This will likely require contributions from outside the EMCS.
- Mr. Mohr suggested a need to focus on bonding.
- Mr. Sadonis and Mr. Fenical echoed the need to focus both on grounding & bonding as well as materials.
- Mr. Drewniak suggested that the TC identify a preliminary set of subcommittees. Based on the discussion so far, potential subcommittees are:
  - Grounding & bonding
  - EMI control techniques
  - Materials
  - Systems



- Mr. Kearns also likes the idea of creating recommended practices.

### 8.3 Building TC membership

Considering that EMI Control is the primary responsibility for EMCS members, TC-4 should be the most attractive and applicable of the technical committees. However, participation and membership levels are low. The committee discussed potential actions:

- Mr. Arafles suggested looking a past paper authors to identify potential TC members.
- Mr. Archambeault suggested holding the TC-4 meeting at a date/time that will allow the maximum number of interested people to attend. (For example, this meeting was scheduled at the same time as the SAE AE-4 meeting.)

In order to build interest and membership in TC-4, the following actions will be taken.

**ACTION:** Mr. Carlton will draft a “call for participation” in the TC and its working groups.

**ACTION:** Mr. Carlton will work with the TAC and VP-Membership to send the “call for participation” to the EMC Society membership.

**ACTION:** Mr. Archambeault will make previous membership rosters available to the current officers.

### 8.4 Subcommittees

The TC decided to initially form three subcommittees with initial membership as follows:

- SC1: Grounding & bonding
  - Chairman – William Bush
  - Members
    - Bob Davis
    - Jim Drewniak
    - Finn O’Connor
    - Kermit Phipps
    - Hua Seng
- SC2: Gaskets
  - Chairman – Gary Fenical
  - Members
    - Bob Davis
    - Parisa Faraj
    - Gary Fenical
    - Don Kearns
    - Richard Mohr
    - Finn O’Connor
    - Brian She



- SC3: Materials
  - Chairman – Mark Montrose
  - Members
    - tbd

## 8.5 EMC Symposium 2013 plans

### 8.5.1 TC-4 Meeting

TC-4 will hold its next meeting at the 2013 EMC Symposium.

**ACTION:** The TC officers will work with the Symposium organizers to select the best possible date and time for the meeting.

### 8.5.2 Workshops & Tutorials

The TC proposes to sponsor two ½-day workshops or tutorials. The general topic and the session organizer are as follows:

- Grounding – Mr. Drewniak
- Materials – Mr. Montrose

### 8.5.3 Special Sessions

The TC does not have any plans to propose a special session at this time.

### 8.5.4 Technical Paper Reviews

The TC will review technical papers for inclusion in the 2013 Symposium. At least three reviews are required for each submitted paper. The TC leadership will identify reviewers, make review assignments, and collect all comments.

## 8.6 Other Business

None

## **9 Closing**

The meeting was adjourned at 1313.

Minutes submitted by: Ross Carlton, Secretary, TC4 ([ross.carlton@ieee.org](mailto:ross.carlton@ieee.org))