

August 16, 2016

Minutes of First Meeting for the IEEE EMCS SC-7 in Ottawa, Canada

Written by SC-7 Secretary: R. Perez

Officers of SC-7 in attendance: James Lukash (chair), Pablo Narvaez (vice-chair), R. Perez (secretary).

Attendance: 38

Order of Business

James Lukash went through the agenda. The outline of the agenda is shown below:

1. Welcome
2. Introduction
3. Membership and Officers
4. Scope of SC7
5. Review of the Charter
6. Roles & Responsibilities of Special Committee 7
7. SC7 Activity & News for 2015-2016
8. Goals and Long Range Planning
9. 2017 EMC Symposium and Future Symposiums
10. Old Business
11. New Business
12. Closing Remarks
13. Adjourn

James Lukash explained the origins of the committee. How it evolved over the years going as far as ten years ago (items 2, 3, and 4 in the agenda).

James Lukash went over the review of the charter (item 5 in the agenda). Motion to review the charter was made by James Lukash. Pablo Narvaez mentioned two possible areas for the charter: power lines used for communications and wireless systems in spacecraft. A mention was made of test methods to be included in the agenda, but such test methods techniques are being addressed in other sections of the EMCS symposium in the present and in the future. At present, in this meeting, the charter overview stayed the same.

James Lukash started going over what has been accomplished over the last year and what is being accomplish in the EMCS 2016 symposium (items 6 and 7 in the agenda).

The committee then went through the presentation planned for this meeting.

New Business: (part of items 8, 9, and 11 in the agenda)

Motion was made by SC-7 committee members to promote the participation and involvement in the IEEE EMCS symposiums over the next two years. Some special sessions were proposed:

Potential Special session for EMC 2017: Lighting protection of aircraft: Nicola Wagner, LM Aeronautics, email: Nicola.wagner@lmco.com, 661-572-4815.

Potential Special workshop for EMC 2017 (subject of workshop is TBD). Organizers: 1 person from NASA and another person from LMA.

NASA GSFC: John Mcloskey, john.c.mcloskey@nasa.gov

LMA: Carolina Chan, Carolina.chan@ieee.org, (805) 750-5592.

Potential Special session for EMC 2017: Point-to-Point system wireless. Multiple Tx and Rx in spacecraft. Organizer. Pablo Narvaez, Pablo.narvaez@jpl.nasa.gov,

Special Session for 2017 IEEE Aerospace Conference, Yellow Stone Conference, Big Sky, Montana, March 4-11, 2017: *Innovations Solutions for Tough EMC problems on Spacecraft*. Deadline is TBD. Organizer is Bob Scully, bob.scully@ieee.org.

Potential Special Session for EMCS 2018 (Beijing China): Ms. Flavia Grassi (flavia.grassi@polimi.it) will take the lead role in organizing a special session in EMC in aerospace for EMC 2018 in Beijing, China.

Other Business:

Recruiting of new members is important. Suggestions were made for recruiting members. Example going to mailing lists of companies represented and AIAA meetings. Social media is being considered. Ken Lynch who will try to take to lead in this area, ken.g.lynch@lmco.com.

Outreach: Students interests in aerospace EMC needs to be explored so that we have presentations in the future where students can be involved. There are a lot of students involved in small sats (cube sats), contact information for this and anything related to cub-sats for future workshops is Cheyne Scoby (cheyne@planet.com). Therefore, there is the need to do educational curricula for the future. Call went out for participants to be involved in the future.

There was general acceptance by the public that we should have periodic meetings with the times to be decided.