


| | | | |
|---|--|--|--|
|  August 3, 2020 | Petre-Marian Nicolae TC 7 Chair University of Craiova, Romania Phone +40 741 279155 pnicolae@elth.ucv.ro | Flavia Grassi Vice Chair and Secretary Politecnico di Milano, Italy +39 349 168 6608 flavia.grassi@polimi.it | Sebastian Koj Vice Chair IAV GmbH, Hannover / Gifhorn, Germany sebastian.koj@ieee.org |
| | | | |

IEEE EMCS TC 7 Members

Meeting Announcement

Committee: TC 7; Low Frequency EMC
 Meeting Location: Webex Meeting
 Meeting Date: Monday, August 17, 2020
 Time: 3pm – 4:30pm US central

Agenda – TC 7 Annual Meeting 2020

1. Welcome and introduction
2. Approval of the agenda
3. Introduction (Officers and Membership around the virtual room)
4. Recall of Minutes of last meeting on Thursday, November 14, 2019.
5. 2020 IEEE EMC+SIPI Symposium overview and submission details
6. Follow up and update of TC-7 activities since last annual meeting
7. TC7 Activities & News for 2020-2021
8. New review system: Update of TC7 list of reviewers
9. Standard activity: New and old business
10. TC7 and EMC Society strategic goals
11. Liasons
12. Officer Election
13. Other issues
14. Date and place of next meeting
15. Closing

Meeting minutes

1/2. Welcome and approval of the agenda

The meeting started at 3:00pm US central via WebEx. The Chair (prof. P. M. Nicolae) welcomed the participants and shared the agenda for the meeting, that was approved.

3. Introduction of meeting participants

Participants (17): Petre Marian Nicolae (TC-7 Chair), Flavia Grassi (TC-7 Vice Chair and Secretary), Sebastian Koj (TC-7 Vice Chair), Ileana Diana Nicolae, Frank Leferink, Dave Thomas, Davy Pissoort, Melissa Schwager, Ed Hare, Douglas Nascimento, Franz Viera, Leonardo Sandrolini, Lu Wan, Muhammad Septian Alamsyah, Venkatkumar, Xiaokang Lu, Xinglong Wu.

The participants briefly introduced themselves.

4. Recall of Minutes of last meeting on Thursday, November 14, 2019.

The Chair briefly recalled the minutes of the last meeting, which was held by Skype in November 14, 2019, which were approved.

5. 2020 IEEE EMC+SIPI Symposium overview and submission details

The Chair recalled the activities of TC-7 in the framework of the 2020 IEEE EMC+SIPI Symposium.

August 6, 2020

Session W1_TH_PM_C "TC 7- Special Problems Concerning EMC at low Frequency" (7 papers, 1 withdrawn)

Chairs: P.M. Nicolae, F. Grassi, S. Koj

August 13, 2020

Session W2_TH_PM_C "TC 7 – Low Frequency EMC" (6 papers)

Chairs: P.M. Nicolae, F. Grassi

August 13, 2020

Tutorial W2_TH_AM_A "Power Electronics EMC and Low-Frequency EMC Challenges" (6 speakers)

Chairs: F. Grassi, P. M. Nicolae

6. Follow up and update of TC-7 activities since last annual meeting

The Chair recalled the activities of TC-7 in the framework of the other EMC International Conferences (EMC Europe and APEMC).

APEMC 2020

Special Session "Conducted and low frequency EMI", APEMC, Sydney, Australia, May 19-22, 2020 (12 papers). The Conference was then cancelled due to COVID.

EMC Europe 2020

Special Session SS02 "Conducted and Low Frequency EMI in Smart Cities" (8 papers)

Chair: prof. Dave Thomas

Special Session SS09 "EMI analysis in power applications" (10 papers)

Chair: prof. Dave Thomas

Technical Session TS06 "Low Frequency EMC, Power Systems & Power Quality" (6 papers)

Workshop WS02.I: "Conducted EMI and Power Quality Issues in Power Distribution Networks" (6 speakers)

Chairs: Daria Nemashkalo, Lu Wan

7. TC7 Activities & News for 2020-2021

During the meeting, the Chair proposed the following activities of TC-7 in the framework of next year conference. All members are invited to contribute.

APEMC 2021 – Bali, Indonesia

1. Special Session
2. Workshop/Tutorial

IEEE Symposium on EMC & SIPI 2021

1. Special Session
2. Workshop/Tutorial

IEEE EMC & EMC Europe 2021

1. Special Session
2. Workshop/Tutorial
3. Technical session

8. New review system: Update of TC7 list of reviewers

The Chair explained that the Review system will change starting from the next-year conference, and will move to the ScholarOne platform (the same used by the IEEE EMC Transactions). In view of this change, the idea is to create an updated list of reviewers for TC-7. We attempt to have three people review each paper.

All members interested in reviewing papers were invited to contact the officers to be included in the updated list of Reviewers.

9. Standard activity: New and old business

- Working group to rewrite of Standard 1140-1994 (6 volunteers from TC 7).

Ed Hare (VP Standards) pointed out that for this Standard it is necessary to identify whether or not there are good information on low frequency RE measurement which can be saved. A working group already exists. We will ask them to nominate a leader who coordinates this activity.

- Working group to write a new Standard for 2-150 kHz range (5 volunteers).

The work is still on going.

10. TC7 and EMC Society strategic goals

TC 7 members will be involved in most of the activities addressed by the Strategic Plan (all ideas from below are now in the TC 7 Technical Report presented at TAC Meeting on July 26, 2019 (New Orleans):

EMC Society STRATEGIC GOAL A: PROVIDE PRODUCTS OF VALUE TO EMC RESEARCHERS AND PRACTITIONERS:

A good cooperation with industry by means of budgeted projects:

- the project ETOPIA financed by EU in which TC7 is involved has 15 partners from industry
- the project SCENT financed by EU in which TC7 is involved has 7 partners from industry;

A good cooperation with researchers from R & D entities and universities, involved in the EMC area, by means of budgeted projects:

- the project ETOPIA financed by EU in which TC7 is involved has 2 R & D entities as partners;
- the project SCENT financed by EU in which TC7 is involved has 2 R & D entities as partners;

Proposals for new projects using international funds.

EMC Society STRATEGIC GOAL B: GLOBAL TECHNOLOGY PRESENCE, VISIBILITY AND EXCELLENCE:

- Members from TC7 should be involved as experts in projects whose partners are from industry, R & D entities and Academia;
- Organization of Workshops, Tutorials and Special Sessions along with partners from industry, R & D and Academia under the frame of Symposia/Conferences organized by IEEE EMC Society;
- Organization of Workshops, Tutorials and Special Sessions along with partners from industry, R & D and Academia under the frame of Symposia/Conferences organized by other entities (e.g. the Project ETOPIA, SCENT financed by EU).

More ideas are expected to appear in the upcoming meetings of TC 7. They will make possible the issuing of drafts for the TC Planning long term and Strategic Plan at the TC 7 level.

EMC Society STRATEGIC GOAL C: ENGAGE YOUNG PROFESSIONALS IN THE EMC SOCIETY

- Recruiting young specialists to become members of IEEE EMC Society and involving them in various activities of TC7 under the frame of IEEE EMC Society;
- Recruiting Ph.D. Students who are involved in projects with research directions from the EMC domain to become members of TC 7 (12 young people will be involved in Ph.D. students' training programs under the frame of ETOPIA where TC 7 is involved; 7 young people will be involved in Ph.D. students' training programs under the frame of SCENT where TC 7 is involved).

- We have more than 20 new members (Student members): Welcome!

EMC Society STRATEGIC GOAL D: IMPROVE EMC MEMBERSHIP DEVELOPMENT AND RETENTION

- Recruiting new members (mainly young people) according to the previous item; Involving them in various activities developed by TC 7 (development of standards, Workshops, Tutorials, Special Sessions);
- Promoting them as Chair or Co-chairs at various Symposia or Conferences;
- Efficient communication by using modern communication techniques (internet, facebook, a.o.).

EMC Society STRATEGIC GOAL E: ENHANCE COMMUNITY COLLABORATION

Active participation to actions for the dissemination of projects in which TC7 members are involved.

Attendance of TC 7 members to round tables and in mass media - they will disseminate information on the activities developed by TC 7 members.

11. Liasons

Liaison between SCC-22 and TC-7.

Petre and Ileana established a contact with SC 22 from Power & Energy Society at PES-GM Conference, august 2018.

Liaison between SCC-22 and TC-7 - and the establishment of a link for a new Standard for 2-150 kHz range.

12. Officer Election

The new elected officers are

Chair: Flavia Grassi

Vice-Chair: Petre-Marian Nicolae

Secretary: Sebastian Koj

13. Other Issues

Concerning the new ScholaOne platform, during the test F. Grassi noticed that for TC-7 only two subtopics are currently present in the system, that is "Power Quality and Conducted EMC", "Power Electronics", and proposed the members to make proposals to include more.

Four new subtopics were proposed during the meeting, that is "Transportation", "Renewables", "Smart Grid", "Wireless Power Transfer". Other topics will be sent by P. M. Nicolae.

14. Date and place of next meeting

One meeting in October/November 2020.

If possible, another one during APEMC 2021 to strengthen the contacts with the Asian community.

The next annual meeting will take place in Glasgow during the IEEE EMC & EMC Europe 2021 Symposium.

15. Closing

P. M. Nicolae closed the meeting at 4:00pm US central.