

 August 03, 2022	Flavia Grassi Chair Politecnico di Milano, Italy	Petre-Marian Nicolae Vice-Chair University of Craiova, Romania	Sebastian Koj Secretary JADE University of Applied Sciences, Germany
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IEEE EMCS TC 7 Members

Meeting Announcement

Committee: TC 7; Low Frequency EMC
Meeting Location: Room 302B, Spokane Convention Centre and Webex
Meeting Date: Wednesday, August 03, 2022
Time: 12:00 PM PDT (21:00 CEST)

Agenda – TC 7 Annual Meeting

1. Welcome and introduction
2. Approval of the agenda
3. Introduction (Officers and Membership around the room)
4. Approval of the Minutes of the previous meetings
5. 2021-2022 TC-7 activities
6. Planning TC7 activities for 2022-2023
7. Updates on the meetings with SC5
8. Standard activity: New and old business
9. Other issues
10. Closing

How to access the meeting

The meeting will be held via WEBEX.

You can join the meeting via the URL:

<https://ieee.webex.com/ieee>

Meeting number (access code): 2631 566 2277

Password: Virtual2022

1/2. Welcome and approval of the agenda

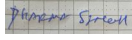
Due to technical issues with Webex the meeting started at 12:40 PM PDT (21:40 CEST). The meeting started with a minute of silence in memoriam of Cees Keyer (1963-2022). The Chair (Flavia Grassi) welcomed the participants and shared the agenda for the meeting, which was approved.

3. Introduction of meeting participants

Participants (41):

- Room 302B, Spokane Convention Centre:
 1. Flavia Grassi (TC-7 Chair)
 2. Niek Moonen,
 3. Bas ten Have,
 4. Frank Leferink,
 5. Das Mumpy,
 6. Iurie Nuca,
 7. Ilman Sulaeman,
 8. Yasaman Ardeshipour,
 9. Muhammad Ammar Wibisono,
 10. M. Imam Sudrajat
 11. Karol Niewiadomski,
 12. Tom Hartman,
 13. Leonardo Malburg,
 14. Theo Laughner,
 15. Jeffrey Silberberg,
 16. Cathrine Feloaps,
 17. Rodica Bontnarevscaia,
 18. Shirish Shah,
 19. Shuo Wang,
 20. Chulsoon Hwang,
 21. Dusan Kostic,
 22. Rudy Wang,
 23. Rich Spangenberg,
 24. Antonella Ragusa,
 25. Alessandro G. D'Aloia
 26. David Thomas
 27. Erjon Bellukja,

28. Cong Li,

29. 

- Webex:
 1. Xinglong Wu
 2. Arun Khilnani
 3. Alexander Matthee
 4. Ivan Struzhko
 5. Lu Wan
 6. Ridvan Aba
 7. Xiaokang Liu
 8. Denys Pokotilov
 9. Petre-Marian Nicolae (TC-7 Vice-Chair)
 10. Ileana-Diana Nicolae
 11. Amr Madi
 12. Sebastian Koj (TC-7 Secretary)

The participants briefly introduced themselves.

4. Recall of the minutes of the previous meetings

Point not discussed.

5. 2021-2022 TC-7 activities

The Chair recalled the activities of TC-7 in the framework of the EMC International Conferences

IEEE EMC+SIPI (Spokane, USA)

Workshop/Tutorial

- WS-MO-AM-4 "Low frequency EMI and modelling of conducted interference in systems with multiple converters," 4 speakers
- TU-FR-PM-1 "About electromagnetic compatibility of track circuits with the traction supply system of railway," 3 speakers

Technical Paper Sessions

- TP-WE-AM1-TC7 "Low frequency EMC: Modelling," 3 papers
- TP-WE-AM2-TC7 "Low frequency EMC: Measurement," 4 papers

Special Sessions

- SS-TU-PM-TC7 "Low frequency conducted emission issues in complex smart power grids under close EMI coexistence," 5 papers
- SS-TH-PM-TC7 "Noise and interference in modern electrical power networks," 4 papers

EMC Europe (Gothenburg, Sweden)

- WS-08A + WS-08B - Workshop "LF EMC in power grid and transportation systems," 6 speakers (workshop)
- SS-01A+SS-01B – Special session "Modelling and measurement of LF EMI," 8 papers

6. Planning TC7 activities for 2022-2023

During the meeting, the Chair proposed to place TC-7 activities in the framework of following next year conferences:

- **IEEE EMC+SIPI 2023**
IEEE Int. Symp. on EMC+SIPI, 7/31/2023 - 8/4/2023
Grand Rapids, Grand Rapids MI, United States
SS proposals by Dec. 14, 2022, W&T proposals by March 6, 2023
- **EMC Europe 2023**
Sept. 4-8, 2023, Krakov, Poland
SS proposals by Jan. 16, 2023, W&T proposals by March 15, 2023
New: Short courses also possible!
- **APEMC 2023 (TBD)**

Erjon Bellukja, Iqra Aitbar, Arun Khilnani and Amr Madi volunteered to organize workshop/Tutorials or special sessions. With Arun and Amr aiming at EMC Europe.

During the next TC-7 meeting, the proposals for Special Sessions, Workshops and Tutorials for each conference listed above will be finalized. All members are invited to contribute proposals. ***The next TC-7 meeting will be scheduled after EMC Europe (Gothenburg).***

7. Updates on the meetings with SC5

The activity focus of TC 7 and SC 5 is strongly overlapping. This leads to confusions for example, in the case of persons submitting papers. Therefore, the SC 5 and TC 7 officers had several online meetings last year in order to solve those issues. As a result, a wish of a merge of SC 5 and TC 7 was defined by the officers of both committees. In the November 2021 Meeting of TC 7 and in the annual meeting on 3rd of August 2022 the members of both committees voted for a merge. In the next step a name for the new committee needs to be found. Following names were discussed:

- **Candidate names for the new TC (from SC-5 meeting on 3rd of August 2022)**
 1. Power Electronics EMC (preferred)
 2. Power Electronics Systems EMC (backup)
- **Candidate names from TC 7 meeting in November 2021:**
 1. Low frequency EMC incorporating Power electronics
 2. Low frequency EMC and Power electronics
 3. Low frequency EMC including Power electronics

By a vote, the following name was chosen by a majority of TC 7 members:

→ **Power Electronics & Systems EMC**

SC 5 officers (also attend the meeting) accepted this name to.

In next step the found name will be proposed to TAC on Friday, 5th of August 2022.

The Scope and Charter description need revisions following the merger. Flavia responded to this note with the overview of topics from the SC5 meeting:

- Possible call for paper topics of the new TC:
 1. Power electronics converters and components: filters, modulations, etc.
 2. Public safety, human exposure to electromagnetic fields

3. Transportations: EVs, E-mobility,
4. Wireless power transfer
5. Power systems and power quality (grid): Renewables and smart grid
6. Healthcare systems
7. Consumer electronics
8. Communication systems
9. Industrial applications: robots, UPS, industrial drive

8. Standard activity: New and old business

Point not discussed.

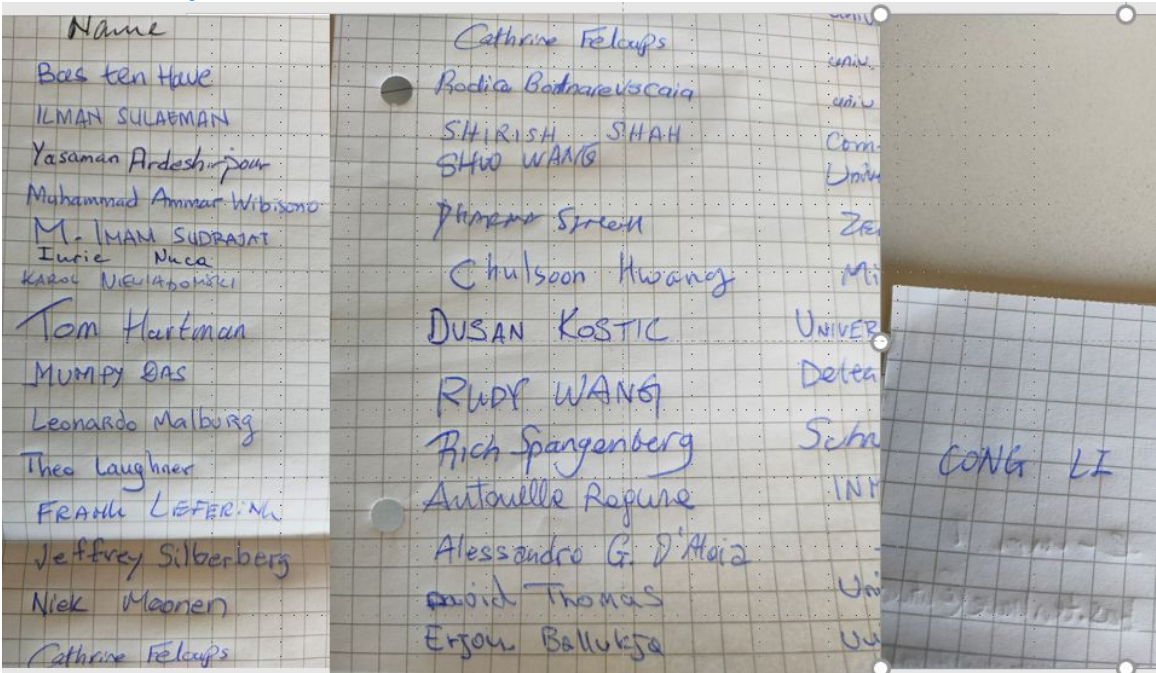
9. Other issues

Flavia announced a special LEMCPA issue that was mentioned by Frank Sabath in the SC5 meeting on Tuesday (3rd of August 2022), and suggested a joined special issue.

10. Closing

The Chair Flavia Grassi closed the meeting at 01:48 PM PDT (22:48 CEST).

Attachment(optional)



Speaking:



Nicolae Petre Marian

amr

Xiaokang Liu

Xinglong Wu

Lu Wan

Alexander Matthee

Arun Khilnani

Denys Pokotilov

Ivan Struzhko

Koj, Sebastian

Ridvan Aba
Host