

IEEE Magnetics Society Standards Committee (MG/SC)
3rd Meeting Minutes
29 September 2023
10.30 to 11.39 AM EST
Webex meeting
Philip Pong, SC Chair

1. Call to Order

- Checked for the presence of a quorum. A quorum was present.
- Philip Pong, Chair, discussed the IEEE patent policies and IEEE SA copyright policies.

2. Introductions and Declarations of Affiliation

- All the meeting participants introduced themselves through the chat box.
- Philip Pong, Chair, discussed the goals of the meeting.

3. Approval of Agenda

Motion #1:

- Move to approve the agenda, IEEE Magnetics Society Standards Committee (MG/SC) Meeting Agenda - 29 September 2023.
 - Motioned by: Mike Devine
 - Seconded by: Gen Yin

Motion unanimously approved

4. Approval of minutes from the previous meeting

- Motion #2
Move to approve the minutes of the previous meeting held on 31 May 2023.
 - Motioned by: Philip Keller
 - Seconded by: Mike Devine

Motion unanimously approved

5. Report from chair

- Philip Pong, Chair, Introduced the subcommittee chair, vice-chair, and secretary for ‘spintronics & recording’, ‘Power, energy, machine, and environment’, ‘Sensors, communications, instrumentation, and measurement’, ‘Materials and phenomena’, and ‘ Bio, interdisciplinary, and emerging topics’.
- Philip Pong, chair, introduced the PAR submitted to the IEEE Standards Committee – PAR number P3387, Project title – “Guide for Conducting Contactless Current Measurement for Multi-Phase Multi-CorePower Cables Based on Magnetic Field Sensing “ and WG chair- Philip Pong.

6. Formation of technical subcommittees, chairs, and officers' appointment

- Five technical subcommittees listed below are formed and the following officers are appointed by the chair.
- Spintronics & recording:
 - Chair: WeigangWang, University of Arizona
 - Vice-Chair: Gen Yin, Georgetown University, USA
 - Secretary: Nilesh Gharia, Numem, USA
- Power, energy, machine, and environment
 - Chair: YunpengZhang, Shanghai University

Vice-Chair: Joao Filipe Horta Belo da Silva, Universidade do Porto, Portugal

Secretary: Yacine Amara, University of Le Havre, France

- Sensors, communications, instrumentation, and measurement

Chair: Philip Keller, MetrolabTechnology

Vice Chair: Sidhant Tiwari, Sandia National Laboratories, New Mexico, USA

Secretary: Mahmoud Rasly, Central Metallurgical Research and Development Institutes, Egypt

- Materials and phenomena

Chair: Michael Devine, Adams Magnetic Products

Vice-Chair: JiayanLaw, University of Seville, Spain

Secretary: Sanjeev Gautam, Panjab University, Chandigarh, India

- Bio, interdisciplinary, and emerging topics

Chair: Cindi Dennis, NIST, USA

Vice Chair: Montserrat Rivas, University of Oviedo, Spain

Secretary: Yuko Ichiyanagi, Yokohama National University, Japan

7. Technical Subcommittees – mission statement and topics of scope

- Philip Pong, Chair, briefly discussed the scope and topics developed by each subcommittee.
- A discussion initiated by Cindi Dennis was conducted on the need to avoid overlapping topics between subcommittees.
- Based on the comments obtained from the participants, standards committee officers will work to compile and consolidate the list of topics. After that, it will be submitted to the technical committee for endorsement.

8. Work scope and future actions of Technical Subcommittees

- Philip Pong, Chair, briefly discussed the scope and possible future action of technical subcommittees such as publication in TMAG/newsletters, IEEE standards committee webinars, etc.

9. Consideration of Project Authorization Request (PAR) Forms

- A detailed discussion on the submitted PAR (PAR number P3387, Project title – “Guide for Conducting Contactless Current Measurement for Multi-Phase Multi-CorePower Cables Based on Magnetic Field Sensing”) was conducted. WG chair Philip Pong will revise the PAR based on the suggestions and submit it for standard committee approval later.

10. Liaisons with other IEEE Societies

- Philip Pong, Chair, discussed how to interact with other IEEE societies and external organizations.

11. Other discussions.

- The meeting was open for discussions on various topics including experience with attending and/or organizing standards development workshops/conferences.

12. Date and place of next meeting

- The next standards committee general meeting will be scheduled for January 2024. (The exact date is to be announced by email and through the homepage)
- Technical subcommittees may have meetings before the general meeting and it will be announced via the Magnetic Society
- Daniel Gopman, vice-chair, will coordinate an informal meeting at the MMM conference in Dallas, Texas.

13. Adjourn

- Motion #3

Move to adjourn the meeting.

– Motioned by: Cindi Dennis

– Seconded by: Mingzhong Wu

Motion was unanimously approved.

Meeting adjourned at 11.39 AM (EST).