



2024 CCPR WG-SP Meeting

June 4, 2024, 9:00 – 13:00 UTC+1

June 5, 2024, 9:00 – 13:00 UTC+1

BIPM, Sèvres, France

Maria E. Nadal, NIST

Chair

*Thank you to the BIPM
for hosting the CCPR
WGs meetings*

Agenda:

1. Opening of the meeting and introductions

Members:

- INRIM (National Institute of Metrological Research/Istituto Nazionale di Ricerca Metrologica)
- IO-CSIC (Instituto de Optica 'Daza de Valdés')
- KRISS (Korea Research Institute of Standards and Science)
- LNE (Laboratoire National de Métrologie et d'Essais)
- METAS (Federal Institute of Metrology METAS)
- MSL (Measurement Standards Laboratory of New Zealand)
- NIST (National Institute of Standards and Technology, United States)
- NMIJ/AIST (National Metrology Institute of Japan, AIST)
- NMISA (National Metrology Institute of South Africa)
- NPL (National Physical Laboratory)
- NRC (National Research Council of Canada)
- PTB (Physikalisch-Technische Bundesanstalt)
- VSL (VSL Dutch Metrology Institute)

Documents presented during the meeting will be made available in the CCPR website

Agenda:

1. Introductions (cont.)

- **Observers**
- **CCPR Officials**
 - ✓ President: Maria Luisa Rastello (INRIM)
 - ✓ Executive Secretary: Joële Viallon (BIPM)
 - ✓ WG-KC Chair: Haiyong Gan (NIM)
 - ✓ WG-CMC Chair: Marek Smid (CMI)

2. Appointment of the recording secretary - **Errol Atkinson**

3. Approval of the agenda (Version 4) – slide 4

4. CCPR WG-SP membership criteria – slide 5

1. Opening of the meeting and introductions
2. Appointment of the recording secretary – Errol Atkinson
3. Approval of the agenda
4. CCPR WG-SP membership criteria
5. Approval of the minutes of the 2023 CCPR WG-SP meeting
6. Review of decisions and action points from the 2023 WG-SP meeting
7. Reports on SP-TGs (Chair):
 - TG17: Discussion Forum on Metrology for Satellite Observations (Emma Woolliams)
 - TG6: Discussion Forum on Fibre Optics (Jimmy Dubard – *seeking new chair*)
 - TG7: Discussion Forum on Few Photons Metrology (Angela Gamouras)
 - TG8: Task Group on THz Metrology (Andreas Steiger)
 - TG10: Ad hoc on CCPR Strategy Document (Maria Nadal)
 - TG11: Single Photon Radiometry (Stefan Kück)
 - TG12: Discussion Forum on the Use of White LED Sources for Photometry (Hiroshi Shitomi – *New Chair: Zhao Weiqiang*)
 - TG13: Optical Fibre Power Responsivity (John Lehman)
 - TG14: Discussion Forum on Radiometry to Support Gravitational Wave Detection (John Lehman)
 - TG15: The Impact of Digitalization on Matters Related to the CCPR (Peter Blattner – *New Chair: Thiago Menegotto*)
 - TG16: Cone Fundamentals (Yoshi Ohno)
 - TG9: OTDR Length Comparison (Jacques Morel) – June 5th
8. Report from BIPM/ CIPM (Maria Luisa Rastello)
9. Any other business
10. Discuss possibilities of having the WGs/TGs meetings in conjunction with conferences.
11. Discuss the schedule for the 27th meeting of the CCPR.
12. Closing of the meeting

CCPR WG-SP Membership Criteria Version 1.3a, 2012-02-09, based on V1.1

1. The membership of WG-SP is by NMI. Each member NMI appoints an individual who represents the NMI. Correspondence is kept with the individuals.
2. The President and Executive Secretary of the CCPR are ex-officio members of WG-SP.
3. Criteria for membership
 - ✓ Member NMIs must be members of the CCPR.
 - Member NMIs must be prepared to support their delegate to fulfill the responsibilities
 - Responsibilities
 - ✓ Attend WG-SP meetings (absence in two consecutive meetings will mean automatic loss of membership)
 - ✓ Participate actively in the Task Groups of the WG-SP
 - ✓ Participate actively in e-mail discussions in between physical meetings.
4. Change of membership
 - ✓ Change of WG-SP Membership needs to be approved by the CCPR
 - ✓ Membership is reviewed annually at each WG-SP meeting, and WG-SP may propose to drop those members that have not fulfilled their responsibilities.
 - ✓ New members wishing to join the WG-SP must write to the WG-SP Chair, copied to the CCPR President and Executive Secretary giving a clear commitment to actively participate in the work of the WG-SP (if accepted as a WG-SP member) and stating;
 - a. Whatever expertise they have in the area covered by the Terms of Reference of the WG-SP.
 - b. What specific aspects of the work of the WG-SP they feel best able to contribute.

5. Approval of the minutes of the 2023 CCPR WG-SP meeting-
available on the CCPR site

6. Review of Decision and Action Points from the 2023 meeting

- **DP-2023-01. Approved the realization of a joint workshop with CIE for the 100 years of the V(I). This will be held at the BIPM during CCPR meetings in 2024.**

✓ **Completed**

- **AP-2023-01. Peter Blattner to provide a proposal of ToR that better reflect the activity of TG15.**
 - **Current ToR:** To monitor activities related to digitalization in the field of photometry and radiometry
 - **Revised ToR:** To monitor activities related to digitalization in the field of photometry and radiometry, *and initiate activities in response to identified needs.*
- **DECISION FOR THE WG_SP (DP-2024 -01)**

Scope: The aim of the working group "The Impact of Digitalization on Matters Related to the CCPR" is to be a platform to discuss the various challenges of digitalization in the field of radiometry and photometry and to discuss possible supporting measures, pilot studies, and actions.

- AP-2023-02. Joële Viallon to update CCPR website to reflect the new chair for TG7 (Discussion Forum on Few-Photon Metrology).
 - **Completed:** New Chair is Angela Gamouras, NRC Canada

- AP-2023-03. Andreas Steiger should propose a new task group for the aimed pilot study. This should go to all members so that they have opportunity to show interest in participating.
- AP-2023-04. Andreas Steiger should revise the ToR of TG8 (THz Metrology) to make them more appropriate for a Discussion Forum.
 - These APs have been **fulfilled** by changing TG8 to a Task Group with the revised ToR of TG8 to *"to carry out a pilot comparison of reflection measurements by means of THz time-domain spectroscopy (TDS)."* Since the current members of TG 8 are all working on TDS, I think that **no further task group** needs to be established for this pilot comparison. The TG8 Task Group is the right place to discuss the concrete conditions for the pilot comparison and to define the procedure in detail (measurement samples, measurement protocols and searching and finding the participants). And finally, the comparison can also be carried out under this umbrella.

- **AP-2023-05. Joële Viallon to send an email to all CCPR members seeking a volunteer to chair TG 12 (Discussion Forum on the Use of White LED Sources for Photometry, Chair: Hiroshi Shitomi)**
 - Maria Nadal emailed WG-SP members on December 27, 2022, seeking for a volunteer
 - Joële Viallon emailed all CCPR members on April 23, 2024, seeking for a volunteer
 - **Completed:** New Chair: Zhao Weiqiang
- **AP-2023-06. John Lehman (chair TG13: Optical Fibre Power Responsivity) to send a new call for participants for the pilot study of optical fibre responsivity.**
 - **Completed**

- AP-2023-07. Maria Nadal to announce during NEWRAD the upcoming Workshop on Cone Fundamental (CCPR/CIE Expert Workshop “100 Years of $V(\lambda)$ and Future of Photometry”).
 - **Completed by Nigel Fox**
- AP-2023-08. Joële Viallon will put out a call for people interested in a task group on metrology for satellite observation.
 - **Completed (emailed December 19, 2023)**
- AP-2023-09. The group of interest people should discuss the ToR proposed by Emma Woolliams in her presentation.
 - **Completed – New TG17: Discussion Forum on Metrology for Satellite Observations, chair: Emma Woolliams**

Agenda:

7. Reports on SP-Task Groups (*Chairs*):

- **TG17:** Discussion Forum on Metrology for Satellite Observations (*Emma Woolliams*)
- **TG6:** Discussion Forum on Fibre Optics (*Jimmy Dubard – seeking new chair*)
- **TG7:** Discussion Forum on Few Photon Metrology (*Angela Gamouras*)
- **TG8:** Discussion Forum on THz Metrology (*Andreas Steiger*)
- **TG10:** CCPR Strategy Document (*Maria Nadal*)

Agenda:

7. Reports of WG and TG Chairs and Matters Arising:

- **TG11:** Single Photon Radiometry (*Stefan Kück*)
- **TG12:** Discussion Forum on the Use of White LED Sources for Photometry (*Hiroshi Shitomi - New Chair: Zhao Weiqiang*)
- **TG13:** Optical Fiber Power Responsivity (*John Lehman*)
- **TG14:** Discussion Forum on Radiometry to Support Gravitational Wave Detection (*John Lehman*)
- **TG15:** The Impact of Digitalization on Matters Related to the CCPR (Peter Blattner – *New Chair: Thiago Menegotto*)
- **TG16:** Cone Fundamentals (*Yoshi Ohno*)
- **TG9:** OTDR Length Comparison (*Jacques Morel*)

Agenda:

8. Report from BIPM/ CIPM (Maria Luisa Rastello)

9. New WG-SP Business:

- Hiroshi Shitomi to discuss the results of the 2018 Questionnaire for **TG12: Discussion Forum on the Use of White LED Sources for Photometry**
- Maria Nadal to discuss the results of the 2022 CCPR survey as it related to the roadmap.

10. Discuss possibilities of having the WGs/TGs meetings in conjunction with conferences.

11. Discuss the schedule for the 27th meeting of the CCPR

12. Closing of the meeting

