

TC2 Meeting Minute

The TC2 technical meeting started at 8:05 on 29 August 2024 at the Hamburg Congress Centre during the XXIV IMEKO World Conference. It was held in hybrid mode. There was a total of 10 participants: seven in person and three remotely. The in-person participants were: Dr. Luigi Rovari (TC2 Chair), Dr. Maik Rosenberger (TC2 Vice-Chair), Dr. Armando Albertazzi (TC2 Scientific Secretary), Dr. Tilo Pfeifer (TC2 member), Dr. Rainer Tutsch (TC2 and TC14 member), Dr. Tengfei Wu and Dr. Raik Illmann. The remote participants were Dr. Heyan Wang, Dr. Marco Ruggeri and Dr. Stefano Cattini. Dr. Rovari presented the meeting agenda with five topics: (1) TC2 Chair reports, (2) Web site update, (3) Future activities of TC2, (4) Next TC2 meetings and (5) Miscellaneous. In topic (1) Dr. Rovari informed that (a) All the IMEKO papers will be published on Measurement: Sensors. Since Elsevier requires a second revision, there is a discussion on whether they will be indexed as journal papers or proceedings. The planned publication date is end of November. He also informed that the TC 2 can select one or two papers to be invited by Measurement for the publication as an extended paper. (b) Dr. Rovari informed about the nomination of two new TC2 Officers, approved by the General Council: Dr. Maik Rosenberger, from the Technische Universität Ilmenau, Germany nominated TC2 Vice-Chair and Prof. Armando Albertazzi, from the Universidade Federal de Santa Catarina, Brazil, nominated Scientific Secretary of TC2. At that time, both nominated officers said few welcome words. (c) Dr. Rovari also announced eight TC2 new members approved by the General Council: Mario Giardini (UK), Marco Ruggeri (USA), Tuan Guo (China), Gaozhi Xiao (Canada), Stefano Cattini (Italy), Annamaria Cucinotta (Italy), Heyan Wang (China) and Yuan Liu (China). He also announced that another 15 TC2 members remains active and another group of 23 inactive members of TC2 were set to the “hibernated state”. The TC2 webpage will be updated with member information. Dr. Rovati emphasized that many countries are still not represented on the TC2 board and encouraged the meeting participants to encourage enthusiastic and active researchers from the remaining countries to contribute to the TC2. (d) Dr. Rovari announced that IMEKO is considering starting a Working Group (WG) on the topic of digitalization and AI in metrology, that will cover many aspects such as digital calibration certificates, open and non-open datasets, use of AI and uncertainty, etc. He asked members involved in any working groups on digitalization or AI at a local/national level, to please let him know, as well as if the meeting participants are available to collaborate with this IMEKO WG. In topic (2) Dr. Rovari announced efforts to update TC2 web page. He asked TC2 members to help review the web pages and submit suggestions for corrections or improvements. There was discussions about Photonics being a very broad field, making it difficult to gather colleagues working in the same field at a TC2 Symposium. Focusing on a smaller number of important topics could be an interesting strategy to attract more people. Dr. Rovari agreed with the suggestion, while noting that there are still areas of photonics not yet covered by TC2. In topic (3), Dr. Rovari recalled that the last TC2 conference was held in 2019 as a joint TC1 and TC2 conference. He proposed three future events: (a) A TC2 Symposium to be held in Modena (Italy) in September 2025, organized by himself, (b) A topic conference joining TC2, TC1, and maybe TC14 to be held in 2026 and (c) A TC2 conference inside the IMEKO World Congress that will be held in Rimini (Italy) in 2027. Dr. Tutsch announced that the TC14 is organizing a conference focused in Laser Metrology in Taiwan in September 2026 and invited TC2 for a join conference. The idea was well accepted. Dr. Rosenberger also mentioned the organization of a join TC1, TC2, TC7 and TC13 meeting in the end of August 2026. The discussion about set a focus for conferences was also considered, what

made the join TC2/TC14 conference about Laser Metrology very attractive. There was also a suggestion to plan the conference calendar so that it would be close to another major conference, which would allow members from distant countries to attend two conferences on the same trip, making their participation more affordable. In topic (4) Dr. Rovari announced the next two TC2 meetings for 2025: (a) a remote meeting in February 2025 and (b) A hybrid meeting on September 2025, during the TC2 Symposium. In the topic (5) there was a suggestion for the TC2 to establish a network connecting members to exchange academic and research activities. Since there was no further additional suggestions or discussions, the meeting was ended at 8:39. As a Scientific Secretary I wrote this minute that is signed by me and for the other TC2 officers.

Hamburg, August 29th, 2024

Dr. Luigi Rovari
TC2 Chair

Dr. Maik Rosenberger
TC Vice-Chair

Dr. Armando Albertazzi
TC 2 Scientific Secretary