



IMEKO

International Measurement Confederation

TC2 Member Meeting

September 03, 2025, DIF MO26 Room g & Online

Prof. Luigi Rovati

www.imeko.org

Agenda for the TC2 Member Meeting

1. Opening

2. Report of the TC Chair

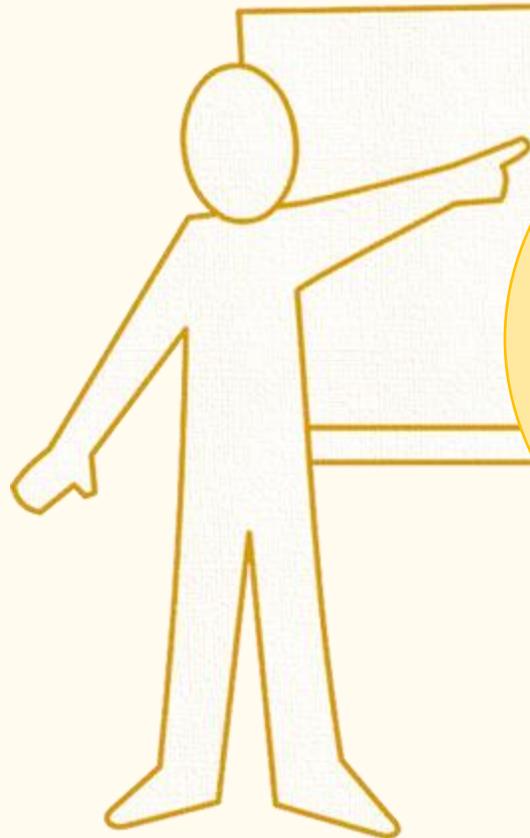
3. New TC2 Members

4. PhotoMet 2025

5. Future Activities of TC2

6. Miscellaneous

TC Chair report



IMEKO TB: TC Organization

- Survey results
- new officers, new member, and overall membership trends...
- Held Distinguished Speaker webinar series
- Board member status (active/non active)
- Special Session on Women in Metrology@TC conferences

Concerns and suggestions

- **Modernize communications**
 - Collaboration tools – eg: Teams, Sharepoint
 - Website revamp
 - Time zones are challenging
 - Do more to **help TCs advertise** their events
- **Membership - Diversity**
 - **Increase diversity – age, geography, NMI/Academia/industry**
 - **Support young professionals**
 - Consider MO review of their representation
- **Membership – Engagement**
 - Too few “active” members
 - To purge or not to purge
- **Membership – Criteria**

Concerns and suggestions

- **Workshops**
 - Always have co-chairs
- **Increase technical collaboration**
 - Work on funding proposals together
 - Virtual laboratories, bring in students
 - Could IMEKO run informal inter-comparisons?
- **Increase cross-TC collaborations**
 - Cross-cut ad hoc groups
 - Hold more TB meetings (2 per year?)
 - Increase Chair-to-Chair interactions, share best practices
- **Charge individuals a membership fee to gain commitment**
 - Maybe \$10 or \$20 / year and use the funds to support students to participate, from disadvantaged regions
- **Succession planning**
 - Chairs stay in position longer partly due to lack of clear successor

Concerns and suggestions

- **World Congress**

- “Niche” TCs don’t feel like they fit
- World Congress and other **event fees are getting too high** – losing participation

- **Publications**

- Hard to love INDICO
- Who’s the new Dirke?
- **Papers are too long – hard to find reviewers**
- **Request to limit to 4 pages for World Congress.** Encourage 3 but allow up to 4.
- Pressure to publish in **peer-reviewed journals**, not proceedings
- No uniform **templates** – between World Congresses, TCs, Conferences

Musings & observations

- **What does it mean to be a TC?**
 - “**Technical Committees don’t do technical work**”
 - IMEKO does more knowledge transfer, conferences, papers
 - What are our **measures of success?**
- **What do we expect from “active” members?**
 - Review abstracts and papers
 - Attend events
 - More?
- **TCs “are fluid”**
 - Allows innovations
 - Burdens TC leadership
- **Increase stakeholder engagement**

TB Chair reports



IMEKO TB

- Establishment of a new IMEKO committee: Development Committee
- WC-Work in progress: contributions from TCs

Development Committee Members temporarily approved by the PB

- Elisabeth Costa Monteiro, Head of the development committee
- Sascha Eichstadt, TC6
- Jakub Svatos TC4
- Alistar Forbes TC20
- Zoltan Zelenka, SG
- Dan Kytyr, Treasurer, observer
- Zsolt Viharos, Supervisory Committee, observer

Host Member Organization



INRiM - Istituto Nazionale di Ricerca Metrologica

All IMEKO TCs are expected to be involved.
All current IMEKO research topics will be covered in the WC, as well as possible emerging topics.

Chairman - Vicechairman



Prof. Paolo CARBONE
University of Perugia



Prof. Pasquale DAPONTE
University of Sannio

CONFERENCE

Role of TC and TC Chairs

The conference will include sessions specifically associated with each TC + some selected Special Sessions on hot topics

- TC Chairs will be invited to join the Conference TPC and will be appointed as Associate Technical Program Chairs (ATPC)
- Further ATPCs (at least 2 for each session) will be invited to ensure
 - Redundancy
 - Shorter review times
 - Effective Conflict-of-Interest management
- Conference sessions on TCs on related topics might be merged if the number of papers is low to avoid excessive program fragmentation



CONFERENCE

Role of TC and TC Chairs (cont'd)

TC Chairs are required to

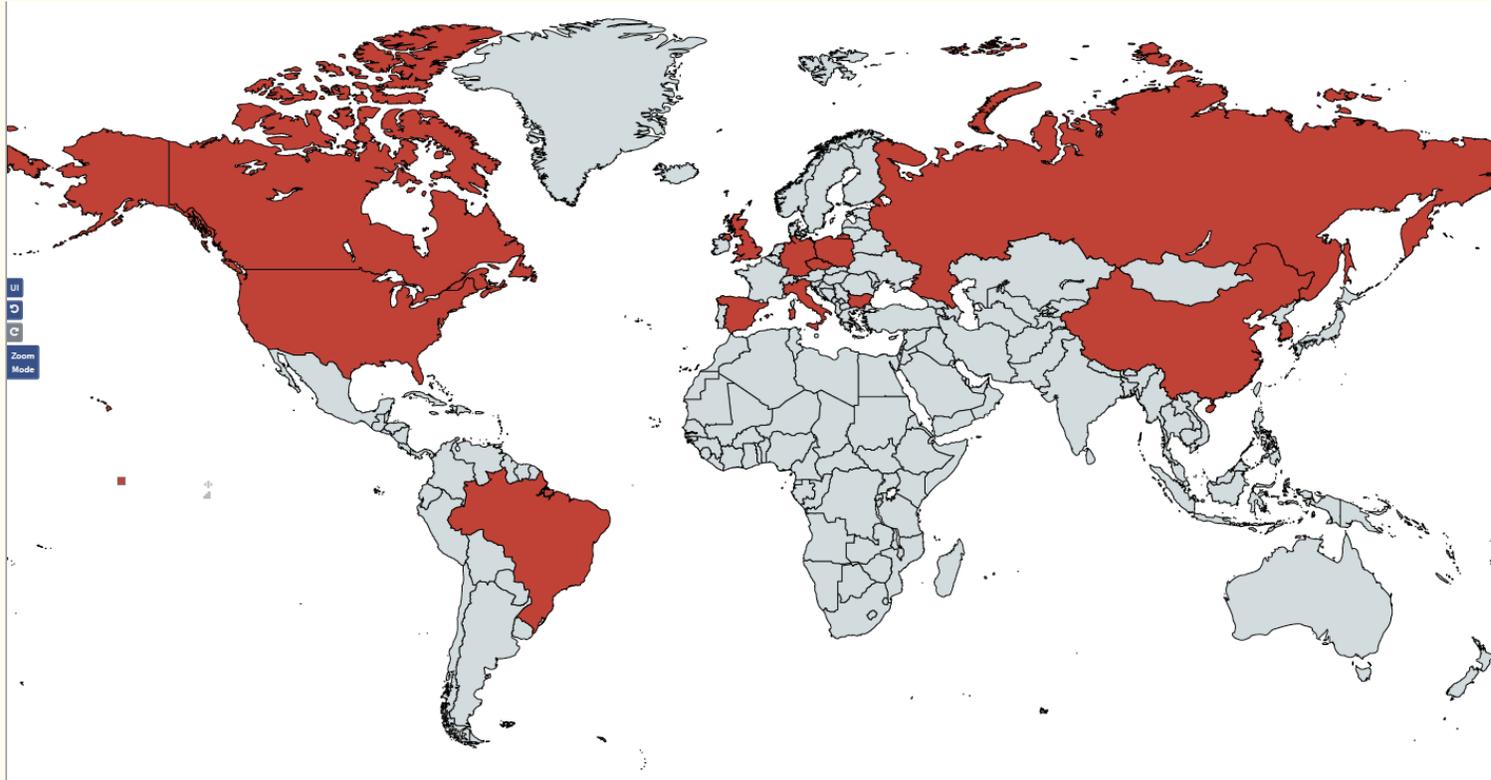
- To advertise Conference among members and in their network of collaborators/companies
- To propose other workshop/events/special session within the WC
- To timely handle the reviews of submitted papers
- To select papers for journal special issues after the conference

TC Chairs that expect to be excessively busy to accomplish such tasks are warmly invited to decline the ATPC invitation suggesting a delegate within the same TC (vice-chair, secretary...) serving as ATPC

New TC2 Members

- approved by the GC:
 - Dr. rer. nat. Beatrice Rodiek, PTB, Germany
- Presented by Maik (to be approved by the GC)
 - Zhoujie Wu, Sichuan University, China
- Junior member?

Board member status: 23 + 2 new members



Many countries are still not represented on the board. If you know of enthusiastic and active researchers who would like to contribute to our TC, please let me know by email: luigi.rovati@unimore.it

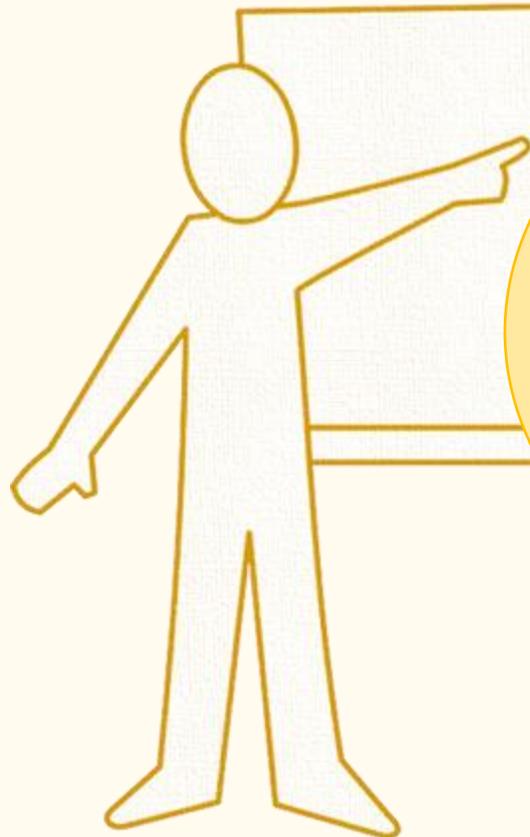
PhotoMet 2025: some numbers



- General Session + 4 Special Sessions + industry Round Table + Company Visit
- 32 Presentations
- 32 Regular Registrations
- 8 Student Registrations
- Budget roughly balanced
- Challenges in securing sponsors
- Consider setting up an exhibition?

PhotoMet 2025: Publications

- IMEKO proceedings
- ACTA IMEKO



Acta IMEKO

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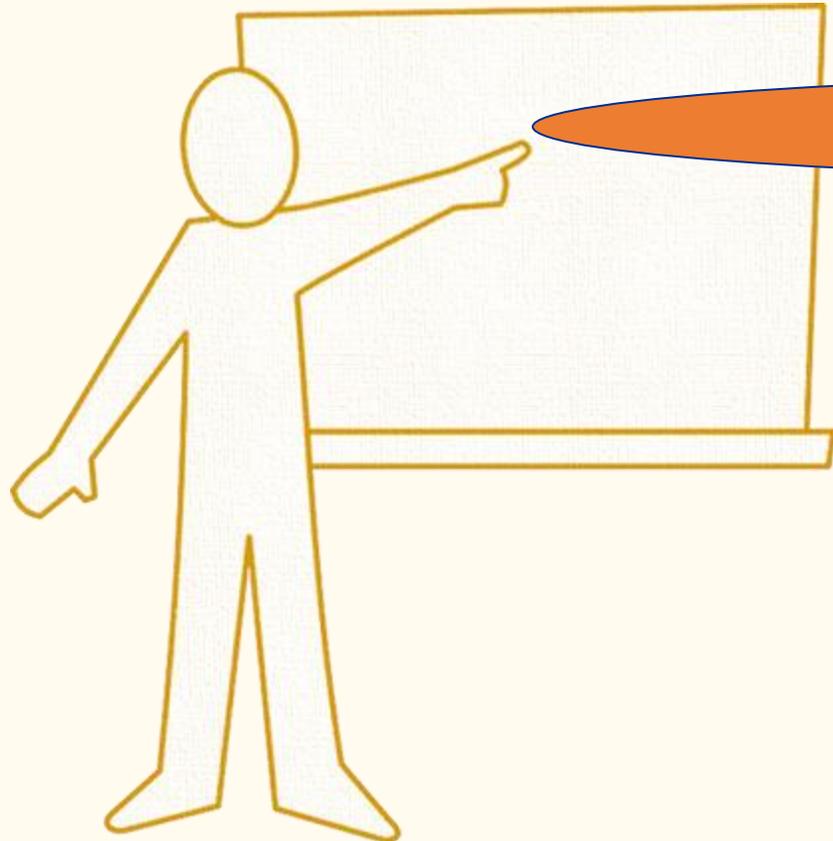
Shaping the Future of Photonic Metrology

📅 2025-07-08

Guest Editors:

Luigi Rovati, Maik Rosenberger, Armando Albertazzi

Future Scientific Activities of TC2:



2026: TC 1 & TC 2 Join Symposium



IMEKO



2026 IMEKO TC1 TC2 Symposium

IMEKO PHOTOMET EDUMET 2026

Metrology in Transition:
Education, Photonics, and the Impact of AI & Robotics

31.08.- 02.09. 2026 Klagenfurt / Austria



CONFERENCE VENUE

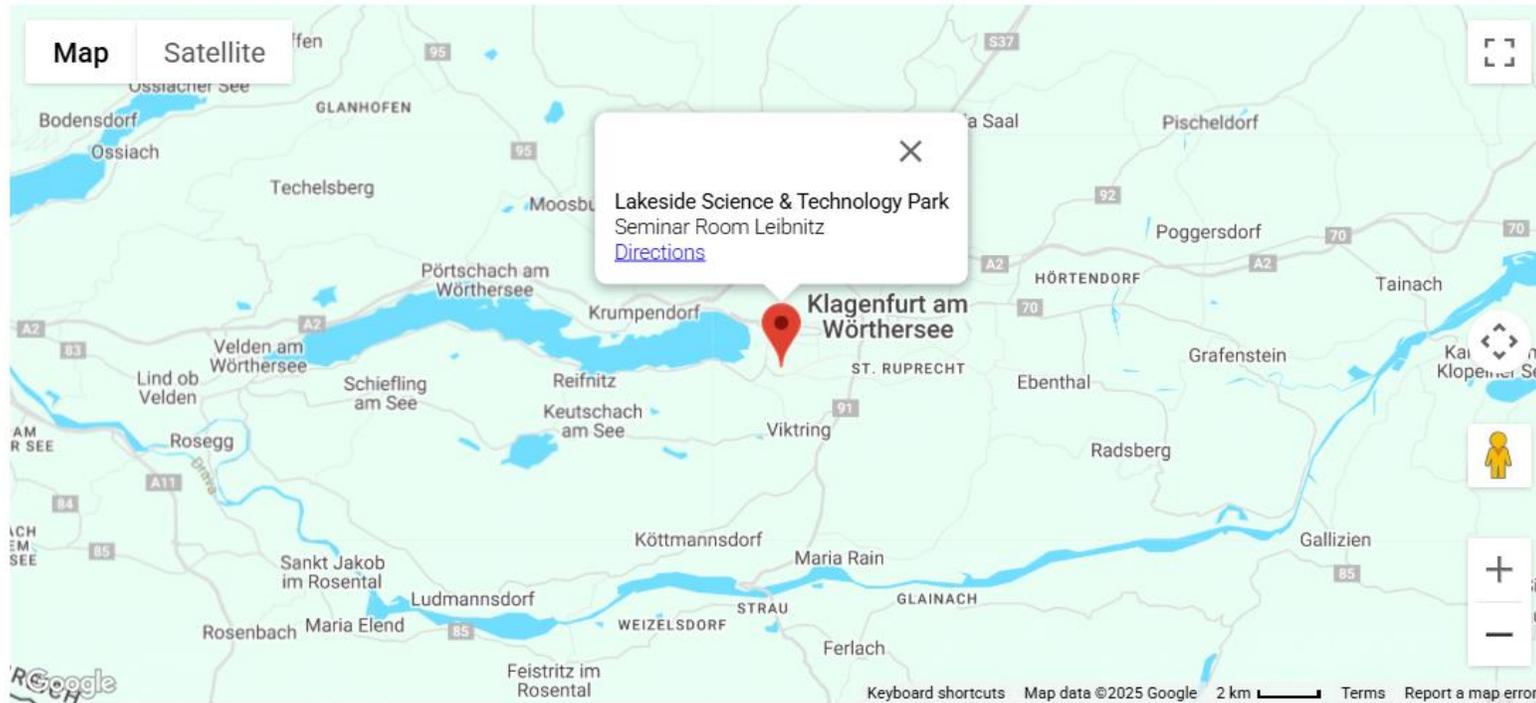
Venue:

Lakeside Science & Technology Park

Lakeside B11 – Seminar Room Leibniz

9020 Klagenfurt

Austria



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TOPICS TC1 EDUCATION AND TRAINING

- Educational Measurement and Evaluation
- Innovative Teaching Strategies for Engineer Education
- Artificial Intelligence in Education
- Experiences and best Practice in Remote and Hybrid Teaching
- Education Practice Trends and Issues in Measurement Sciences
- Teaching Materials and Courseware Construction and Experiences in Measurement Sciences
- Education and Research Management
- Measurement of Education Success and Education Modelling



TOPICS TC2 PHOTONICS

- Photonics in Automotive Applications
- Optical Measuring Systems for Industrial Inspection
- Emerging Trends in Machine Vision and 3D Optical Metrology
- Healthcare Innovations Through Photonics
- Photonics for Biomedical Wearables
- Optical Sensing for Environmental Monitoring and Forestry
- Multimodal Sensing and Artificial Intelligence
- Multimodal Image Processing for Industry and Healthcare
- Optical Characterization of Advanced Materials
- Quantum Metrology and Sensing
- Quantum Photonics in Metrology
- Measurement Uncertainty and Error Modelling in Optical Systems
- Fiber Photonics and guided planar Optics for Sensing
- Sensor Design and Signal Processing
- Biosensors and Real-Time Health Monitoring
- Sensors, Technologies and Applications for Imaging Luminance and Color Measurement Devices



TOPICS SPECIAL SESSION SENSORS

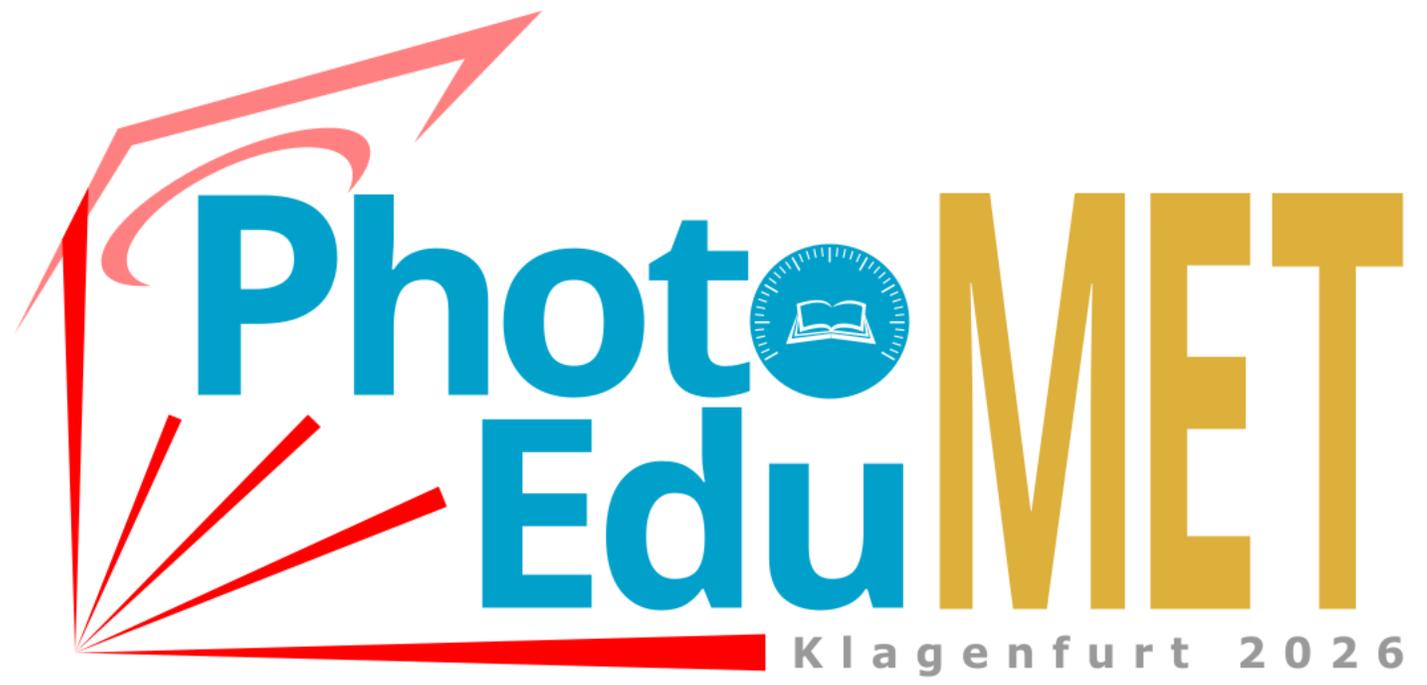
- Innovative Manufacturing Technologies for Sensors
- Energy-Efficient Sensor Designs for IoT and Edge Applications
- Energy Harvesting and Self- Sustaining Sensor Systems
- Sustainable Sensor Systems Solutions
- Sensors Designed for Extreme Environmental Condition
- Data- and Model-Based Methods for Processing and Analyzation of Sensor Signals
- Sensor Technologies for Condition Monitoring and Predictive Maintenance
- Sensor System Integration and Packaging



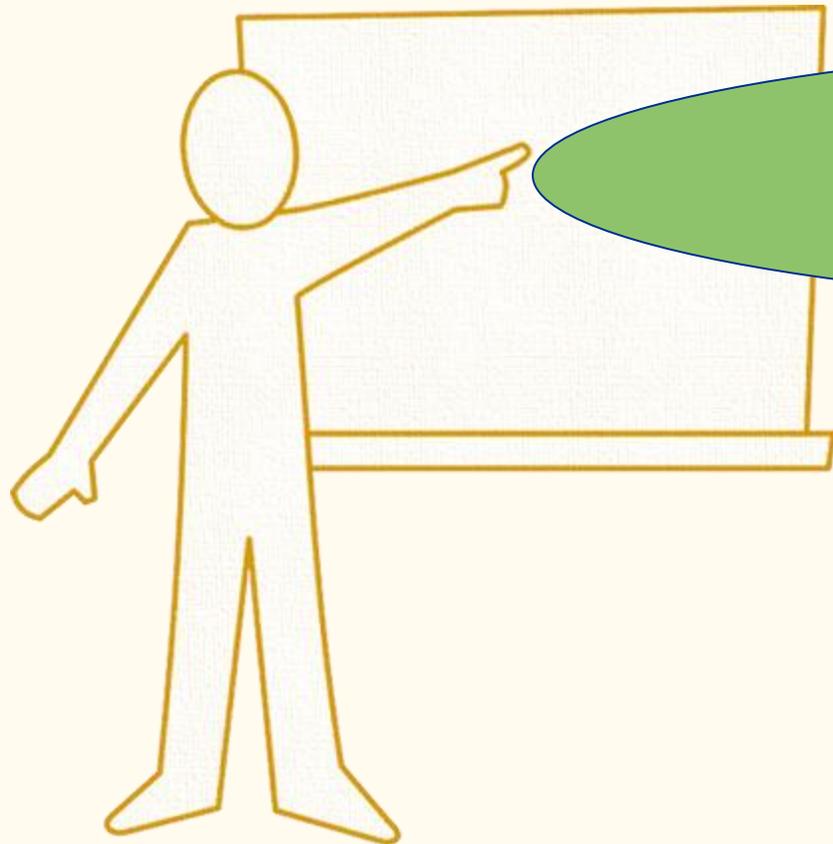
CALL FOR PAPERS PHOTOMET EDUMET 2026

The conference papers will be published in the [SPIE Digital Library](#) and will be indexed in databases Ei Compendex, CrossRef, Google Scholar, Inspec, Portico, and Scopus. Also, an DOI will be generated for the presented papers. The review process will be organized in two stages. First every author has to submit an abstract (500words) which will go to a review process. With a successful first stage result authors will be invited to submit a full paper which will be also reviewed. The International program committee will then decide about the presentation form. The best papers will be also invited to submit an extended version of the paper for the journal Acta Imeko.

The call for papers will be available at the beginning of September 2025.



Miscellaneous



Proposals: Shall we activate the junior member type?
Comments
Questions



Thank you

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