

SAVE THE DATE

11 – 13 October 2023

Funchal | Madeira Island | Portugal

TC8 Traceability in Metrology | TC11 Measurement in Testing, Inspection and Certification | TC24 Chemical Measurements

CALL FOR PAPERS

Authors are kindly invited to submit abstracts of 250 words, in English in the appointed Joint Conference mottoes.

- New challenges and opportunities in traceability
- Testing, Inspection and Certification for confidence and safety
- New perspectives in Chemical measurements

After acceptance, Authors will be informed and kindly invited to submit full-papers (up to 4 pages) in English. Accepted and presented full-papers will be submitted for inclusion in Scopus after the event.

REMEMBER

[Abstract submission](https://conferences.imeko.org/event/5/) (https://conferences.imeko.org/event/5/)

Until 15 of May – NEW DEADLINE

Confirmation to Authors – 31 of May 2023

Full paper – 20 June 2023

The event will be in person, being accepted pre-recorded presentations



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LABORATÓRIO NACIONAL DE ENGENHARIA CIVIL



SPECIAL SESSIONS

IMEKO TC8 Traceability in Metrology

Digitalization in Traceability – new tools, new opportunities, new challenges

To provide a comprehensive understanding of the latest trends and technologies in digital supported traceability, challenges, and opportunities in implementing digital traceability solutions, and showcase success stories shall be presented and discussed.

In special keynote talks on topics e. g. from Blockchain Technology for Enhanced Traceability, Digital Calibration Certificates (DCC), Metrological Digital Twins (M-DT), smart supply-chain-management, AI and machine learning chances, changes and limitations of these new techniques shall be highlighted. You are invited to contribute by uploading an abstract of max. 250 words to the conference management system. Please state your interest in this special session.

We are aiming to get insights from industry experts and researchers on current developments, challenges and barriers regarding digitalization in traceability, while uncovering opportunities for innovation and collaboration in this interactive workshop.

Keywords:

- *Digitalization in Traceability*
- *metrological digital twins*
- *smart supply-chain-management*
- *digital calibration certificates*
- *AI and ML*

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SPECIAL SESSIONS

IMEKO TC24 Chemical Measurements

Gas analysis for climate change and energy transition

The rise in atmospheric greenhouse gases is the primary driver of climate change. Closely monitoring the gas phase composition of the atmosphere is therefore critically important to understand and monitor climate change. Robust metrology for greenhouse gases monitoring in the air will be vital to achieve zero-pollution and carbon neutrality, ambitions laid out in strategies by both the European Union and the United Nations.

In striving towards environmental sustainability and a reliable energy network, it is vital to address outstanding fundamental challenges to establish renewable gases (e.g. Hydrogen, Ammonia, Biomethane) as a fuel source and as an energy vector. To ensure the safety and reliability of renewable gaseous fuels it is important to have robust, accurate measurements that can be traced to established standards.

Keywords:

- *Gas metrology*
- *Climate change and air quality*
- *Low-cost sensors*
- *Hydrogen*
- *Decarbonisation*



Organizer

Zhechao Qu

Physikalisch-Technische Bundesanstalt, PTB
Braunschweig, Germany
zhechao.qu@ptb.de



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VENUE

Funchal | Madeira Island | Portugal

[Hotel Vidamar Congress Center](https://madeira.vidamarresorts.com/)

(<https://madeira.vidamarresorts.com/>)

ESTRADA MONUMENTAL 175-177,
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CONTACTS:

info_ijConf_madeira2023@relacre.pt

<http://imekojconfmadeira2023.lnec.pt/>

TC11 / TC24 IMEKO
TC8 / TC24 IMEKO
Joint Conference
TC8 / TC24 IMEKO

11-13 Oct. 2023 Madeira | Portugal



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