

SHORT PROGRAM

INTERNATIONAL METROLOGY CONGRESS

CIM2025

11 - 14 MARCH LYON FRANCE

a new metrology for a sustainable industry and society

ORGANIZED BY



www.cim-metrology.org

HOSTED BY

**GLOBAL
INDUSTRIE**



Martin MILTON

*BIPM Director
&
CIM2025 President*

I am honoured to be chairing the organizing committee and working together with the team at the CFM - Collège Français de Métrologie to bring you the 2025 edition of the CIM, which we are organizing again alongside Global Industrie.

This year, we have chosen the title "A new metrology for a sustainable industry and society" because the program highlights how metrology is changing and how our community is seeking to find new ways to contribute to the challenge of sustainability.

We have been looking for ways to make CIM2025 the preferred conference for everyone from metrology labs, industry, government and academia to share new ideas about metrology. We will put an emphasis on digital metrology by including it in the scope of three of the sessions and three of the round-table sessions. Additionally, we will offer, for the first time, a short course that will complement the moderated round-table discussions. We are delighted that we have already received more abstracts across all themes than we did in 2023 so there is sure to be more to discuss and share at CIM2025.

I look forward to seeing you in Lyon.



Julie VOYER

*Deputy Director
GLOBAL INDUSTRIE
GL Events*

For the past 6 editions, Global Industrie has brought together the ecosystem of French industrial excellence: 50,000 manufacturers, 2,500 exhibiting companies ranging from SMEs to multinationals, 500 speakers and thousands of demonstrations. And since 2021, Global Industrie has been hosting the CIM - International Metrology Congress.

Indeed, measurement, as a means of controlling product and process quality, occupies an essential place at the heart of the industrial process. That is precisely the role it will play at the 2025 edition, with an MCVI (Measurement Control Vision Instrumentation) zone and a Metrology Village close to the CIM conference rooms, the main stage and a multimodal area where industrials, researchers, experts... all passionate about measurement, will mingle.

After all, it's people who are the driving force behind innovation and industrial sovereignty, people who are the architects of the sector's digital and ecological transformation, they are also the inventors of new digital solutions and new jobs in industry. These themes are all part of the CIM2025 agenda, presented in a rich and varied program!

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The CFM, an association founded in 2002 with the support of the Ministry in charge of Industry, the LNE, the CETIAT, and STELLANTIS.

TUESDAY 11

WORKSHOP

QI-DIGITAL
Metrology in the Digital Transformation of the International quality infrastructure

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WELCOME

OPENING SESSION

S1 Metrology for sustainability and health

S2 Improving mechanical measurement

IoT and metrology: toward an internet of metrology?

POSTERS P1

- Mechanics
- Dimensional
- Robotisation, automatization
- Metrology for sustainability
- Quality infrastructure
- Digitalisation
- Biology
- Photonics
- Materials

WELCOME APERITIVE

WEDNESDAY 12

WELCOME

S3 Metrology to tackle greenhouse effects

S4 Dimensional

Quality infrastructure in a digital world

PLENARY SESSION

a new metrology for a sustainable industry and society

WELCOME

Tackling pollutants of emerging concern for a healthier tomorrow

S5 Photonics

S6 Implementing the new mass unit

S7 Biomedical applications

S8 Digital transformation

EXHIBITORS' NIGHT PARTY

THURSDAY 13

WELCOME

Quantum sensing: the next industrial revolution

S9 New challenges in chemical metrology

S10 Metrology for machine learning and machine learning for metrology

POSTERS P2

- Electromagnetism
- Machine Learning
- Quantum Technology
- Flow
- Thermometry, Hygrometry
- Chemistry
- Nanotechnology
- Uncertainties

WELCOME

S11 Advanced methods for uncertainty evaluation

S12 Electromagnetism

Ensuring measurement traceability in ISO/IEC 17 025 laboratories

S13 Nanotechnology

S14 Mind the gap: challenges for the quality infrastructure

GALA EVENT BURLESQUE & WONDERS NIGHT

FRIDAY 14

WELCOME

S15 Quantum technology

S16 Digitalisation for metrology

S17 Flow

S18 Advances in thermometry and hygrometry: SI traceability for industry

Metrologist: an endangered species?

CLOSING

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