

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](http://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 programme 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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"If you can't measure it, you can't improve it."  
Lord Kelvin

[www.cfmetrologie.com](http://www.cfmetrologie.com)



CFM (Collège Français de Métrologie), is an association founded in 2002 with the support of the Ministry of Industry, LNE (Laboratoire National de Métrologie et d'Essais), 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** Mechanics #1

**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** Mechanics #2

**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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FULL PROGRAM

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