



CIM 2017 under the influence of the future

The International Congress of Metrology (CIM) is the only event of its kind in Europe, presenting all the relevant technical fields and gathering together everyone involved in measurement, from R&D to industries using measurement techniques.

CIM 2017 confirmed the event's importance with a well-balanced mix of discussions about daily best practice in industrial measurement and presentations oriented more towards the future, focusing on transformations in the factories of tomorrow.

The verdict for 2017 reflects a pleasing stability in terms of participants and superb growth in the exhibition side.

Here are the key figures:

- **840 participants and exhibitors** took part in the congress (813 in 2015)
- **45 different countries** were present, and **30% of participants came from abroad**
- 78 companies had a presence in the **Metrology Village** at the heart of the Enova exhibition (a 37% increase compared with 2015!)
- the **technical level** was judged excellent or satisfactory by 93% of participants
- the **application possibilities** were seen as excellent or satisfactory in 84% of cases
- **192 oral and poster** presentations

A remarkable opening speech by Pascal Faure, Director of the "*Direction Générale des Entreprises (DGE)*" in the Ministry of the Economy and Finance

Here is an extract from his speech: *"Today, even more than yesterday, metrology, the science and technology of measurement, is an essential factor in modern, dynamic industrial policy. (...)*

Every one of you knows how crucial it is to master measurement throughout the value chain, from laboratory R&D to final inspections. We have entered an age when innovation takes place at speeds that have never been seen before, and this innovation requires increasingly powerful and reliable measuring tools. (...)

As the only place in Europe and worldwide where metrology issues can be discussed and the information needed to develop a metrology culture is available, in my view, this congress is an essential event."

The top 5 sessions in terms of audience:

- The exceptional plenary session, "**Measure and Create the future**", with nearly 200 people present
- Then the "**Metrology 4.0**" and "**Uncertainty and metrological concepts**" sessions
- Followed by the subjects "**New ISO/IEC 17025**" and "**Flexibility of optical measurements**"

And the round table discussions on "**Metrology for the pharmaceutical industry**" and "**Dynamic measurement and the factory of the future**", which led to fruitful exchanges!

High-end R&D

CIM ended with an excellent presentation by Violaine Sautter of the French Natural History Museum about the work done on the instrumentation on board the Curiosity rover sent to Mars.

The closure of CIM was also an opportunity to reward two high-level technical presentations for the quality of their content:

- the best oral, by Henri Foulon of Cesame Exadébit: "Measuring cryogenic flow using laser Doppler velocimetry"
- the best poster, by Timo Donsberg of the University of Aalto in Finland: "Predictable quantum efficient detector based on n-type silicon photodiodes"

The Congress brings together all audiences and players in the measurement sector:

- **64% of participants are industrial users** of measurement in all types of sectors, analysis and metrology laboratories, equipment manufacturers and service providers etc.
- **23% are representatives of national and international organisations:** national laboratories of European countries, ministries, accreditation bodies, international bodies etc.
- **10% are academics or researchers,**
- 3% come from other backgrounds: hospitals, training organisations, consultants, the press etc.

The Collège Français de Métrologie, the organiser of CIM, wishes to extend its warm thanks to all the partners who contributed to the creation and success of the 2017 Congress:

- the members of the Organising Committee: A3P, Afnor Normalisation, BEA Métrologie, BIPM, COFRAC, EA, Euramet, FPS Economy, LNE, Metro-Logix, NCSL International, NPL, OIML, Peugeot Citroën Automobiles, STIL, the University of Burgundy, Wika
- the sponsors: Trescal, the main sponsor, and CETIAT, Hexagon Manufacturing Intelligence, Implex and Polyworks
- the institutional supporters: the Ministry for the Economy and Finance and the DGE, the Ministry of Culture.

For more technical information, the CIM 2017 conference papers can be found online at <http://cfmetrologie.edpsciences.org/fr/>

More info on CFM activities:

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www.cim2017.com

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CIM 2017

19-21 SEPT
PARIS FRANCE

COLLÈGE FRANÇAIS DE METROLOGIE

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