



IMEKO

International Measurement Confederation

IMEKO TC24 – Chemical Measurements

Annual meeting

T. Tomić, L. Iannucci

Manila (Philippines)

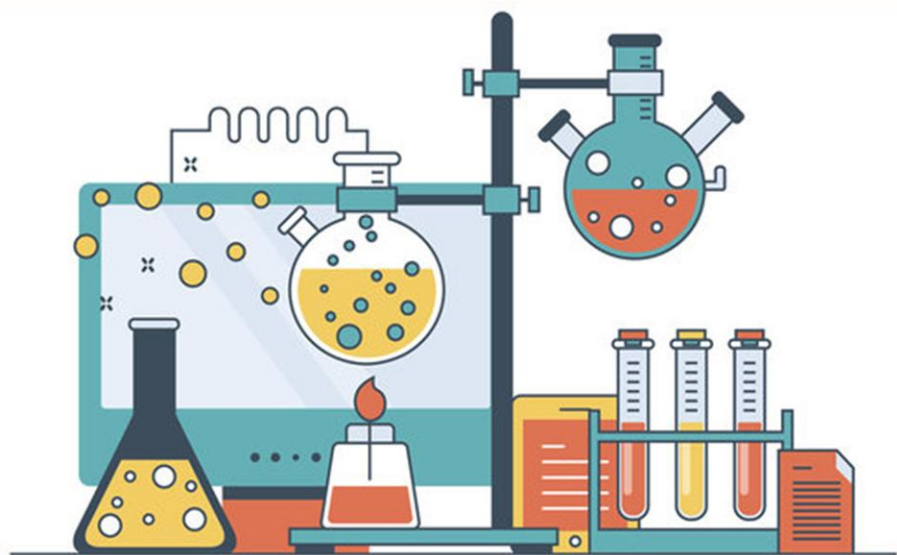
Friday 28th of August 2026

www.imeko.org

IMEKO TC24 – Annual meeting

LINK FOR ONLINE PARTICIPATION

Chemical measurements: a wide topic in Metrology



IMEKO TC24 is composed of **5 Working Groups**:

- Chemical and biochemical sensors
- Traceability and fundamental chemical metrology
- Separation techniques
- Measurements for Cultural Heritage
- Process Analytical Technology

Officers



Tatjana Tomić, TC24 Chair



Hongmei Li, Vice-Chair



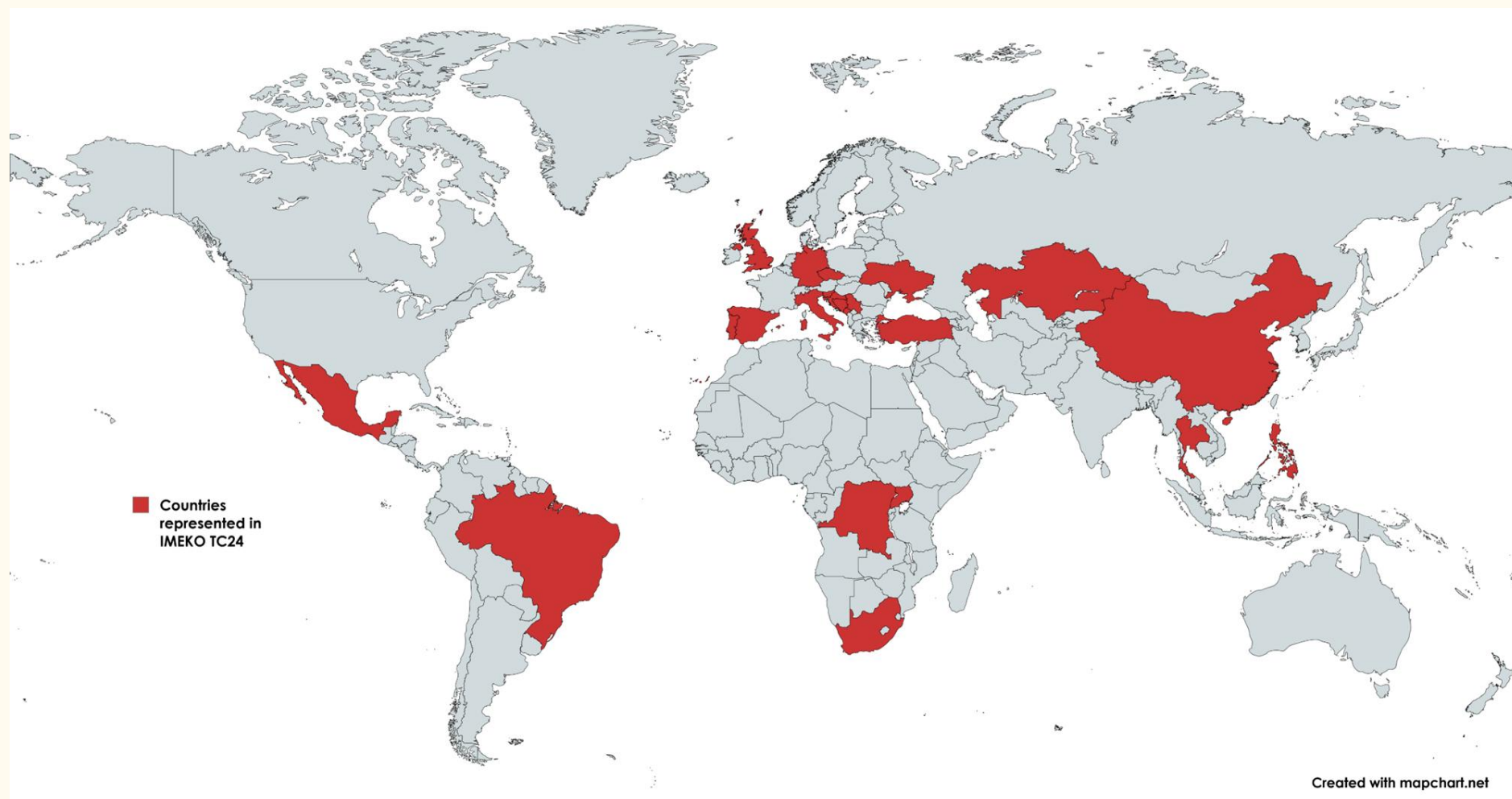
Leonardo Iannucci, Scientific Secretary



Technical Committee

50 members from 23 countries

<https://www.imeko.org/index.php/tc24-homepage/tc24-members>



Since the 2025 General Council:



3 new members

Name	Affiliation with address
Ming Li	National Institute of Metrology, Chemistry Department, P. R. China
Eric Engin	National Physical Laboratory (UK)
Fortunato Sevilla	Professor Emeritus, College of Science, University of Santo Tomas, Quezon City, Philippines

Events and Activities

- Online activities
- Annual Conference
- Editorial activities



Events and Activities

- Online activities
- Annual Conference
- Editorial activities

NEW SUGGESTIONS ARE WELCOME!



Online activities

IMEKO Talks on Chemical Measurements

A series of events organised by TC24 to promote discussion about hot topics in Chemical Measurements.

The aim is to provide a **platform for discussion** among researchers and professionals working in this field of metrology.

<https://www.imeko.org/index.php/tc24-homepage/tc24-events/talks>



Free

Online

Open to everyone

IMEKO Talks on Chemical Measurements



Speaker	Title	Date
Eric Engin	Metrology for Hydrogen Fuel Quality: Reference Materials and Proficiency Testing	26th February 2026
Aleksandra Aleksić	LNG - a milestone toward a new era	28th November 2024
Alleni T. Junsay	An Overview of Chemical Metrology Activities in the Philippines	30 th April 2024
... events started in 2022		

Full list available: <https://www.imeko.org/index.php/tc24-homepage/tc24-events/talks>

IMEKO Talks on Chemical Measurements



IMEKO TC24 WANTS YOU!
For the next Talk!

We are planning the 'IMEKO Talks on Chemical Measurements' to be held in the next months.

Suggest your topic of interest and present your current research or activities to the IMEKO community!

Just send us an email!

tc24.imeko@gmail.com

leonardo.iannucci@polito.it

Annual conference

IMEKO TC11 & TC24 JOINT CONFERENCE

In 2022, TC24 organised a Joint Conference with IMEKO TC11 (*Measurement in Testing, Inspection and Certification*), held in **Dubrovnik** (Croatia) from 17th to 19th of October.

The Conference was organised in collaboration with **Eurolab**.

Local Organiser:



IMEKO

**IMEKO TC11 & TC24 JOINT
HYBRID CONFERENCE**

17th-19th October 2022, Dubrovnik, Croatia

*THE TECHNICAL COMMITTEE ON CHEMICAL MEASUREMENTS
WILL HOLD ITS FLAGSHIP CONFERENCE UNDER THE MOTTO:*

Chemical measurements towards a sustainable future





Call for papers

General Chair
Tatjana Tomić, Croatia

Local Organizer
Mladen Jakovčić, Croatia

Technical Program Chairs
Hongmei Li, China
Leonardo Iannucci, Italy

Scientific Committee
Leonardo Iannucci (*Chair*)
Donatella Albanese, Italy
Aleksandra Aleksić, Serbia
Carolina Andrade, Brazil
Emma Angelini, Italy
Jovan Atanasovski,
Republic Of North Macedonia
Sandra Babić, Croatia
Süleyman Z. Can, Turkey
Ana Čop, Croatia
Carlos Costa, Portugal
Leila Es Sebar, Italy
Aimé Lay-Ekuakille, Italy
Přemysl Fita, Czech Republic
Sabrina Grassini, Italy
Hongmei Li, China
Luca Lombardo, Italy
Maryna Mikhaliyeva, Ukraine
Patience Ngelinkoto Mpia,
D.R. of the Congo
Raquel Quendera, Portugal
Carmen Sánchez, Spain
Guido Sassi, Italy
Michela Segó, Italy
Kittiya Shearman, Thailand
Dan Song, China
Christabel Tan, United Kingdom



The IMEKO TC11 (Measurement in Testing, Inspection and Certification) and IMEKO TC24 (Chemical Measurements) invite you to participate to their joint conference, to be held in hybrid format, both in Dubrovnik (Croatia) and online from 17th to 20th of October 2022.

Conference topics

- Environmental measurements
- Traceability of chemical measurements in health sector
- Traceability of environmental measurements in different matrices (water, soils, sediments, etc) at regulation limits levels
- Measurement traceability in conformity assessment
- Traceability of on-site measurements
- Drug delivery monitoring and assessment
- Chemical and biochemical sensors
- Measurements and sensors for health and medicine
- Measurements for food and agriculture
- Measurements in energy and advanced fuels development
- Biomedical robotic methods
- Data integrity in chemical laboratory
- Identifying the unknown, beyond the classical analysis
- Measurements for Cultural Heritage
- Electrochemical Measurements and Corrosion

Submission

Authors are kindly invited to submit full-papers (4-6 pages) in the appointed scientific topics. The paper should report original research and results of theoretical or applied nature and should explain the significance of the contribution to the research field. The manuscripts must be written in English according to the guidelines provided on the IMEKO TC24 website:

<https://www.imekotc24-2022.com>

Accepted and presented full-papers will be submitted for inclusion in **Scopus** after the event.

Important dates

10th May 2022 Abstract submission	31st July 2022 Full-paper submission	1st September 2022 Notification to authors of final decision and required corrections
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General enquiries: info@imekotc24-2022.com

SPECIAL ISSUES IN 'MEASUREMENT: SENSORS' (ELSEVIER) AND 'ACTA IMEKO'

After the Conference, selected authors will have the opportunity to submit an extended version of their papers to 'Measurement: Sensors' (Elsevier) or to 'Acta IMEKO'. Elsevier will offer a 100% APC waiver for all papers accepted in the Special Issue in 'Measurement: Sensors'. All extended papers submitted to the two journals will undergo the peer-review process.



From left to right: Tatjana Tomić (TC24), Leonardo Iannucci (TC24), Marija Cundeva-Blajer (TC11), Alvaro Ribeiro (TC11), Mladen Jakovic (TC11), Sandra Babić (TC24)



Group photo at the IMEKO TC11-TC24 Joint Conference

52 contributions were received, 20 from TC24 side, and 32 from TC11 side.

Annual conference

IMEKO TC8-TC11-TC24 JOINT CONFERENCE

In 2023, from the 11th to the 13th of October, the IMEKO TC8-TC11-TC24 Conference was organised in Funchal (Madeira, Portugal).

The Conference was organised in collaboration with **Eurolab**.

Local organiser:





From left to right: Marija Cundeva-Blajer (TC11), Leonardo Iannucci (TC24), Tatjana Tomić (TC24), Mladen Jakovic (TC11), Alvaro Ribeiro (TC11), Thomas Wiedenhoefer (TC8)



Group photo at the IMEKO TC8-TC11-TC24 Joint Conference

33 contributions were received, 9 from TC24 side, 10 for the Joint Session ‘Gas analysis for climate change and energy transition’, 9 from TC11 side, 5 for the Joint Session ‘Digital transformation in TIC and Digital Twins’.

IMEKO WORLD CONGRESS



IMEKO 2024 XXIV World Congress

26 – 29 August 2024 | Hamburg, Germany

[Home](#)[Venue](#)[Program](#)[Paper Submission](#)[Registration & Fees](#)[Exhibitors & Donors](#)[Organization](#)[FAQ](#)

Moin!
Think Metrology

[Registration](#)[Call for Papers](#)

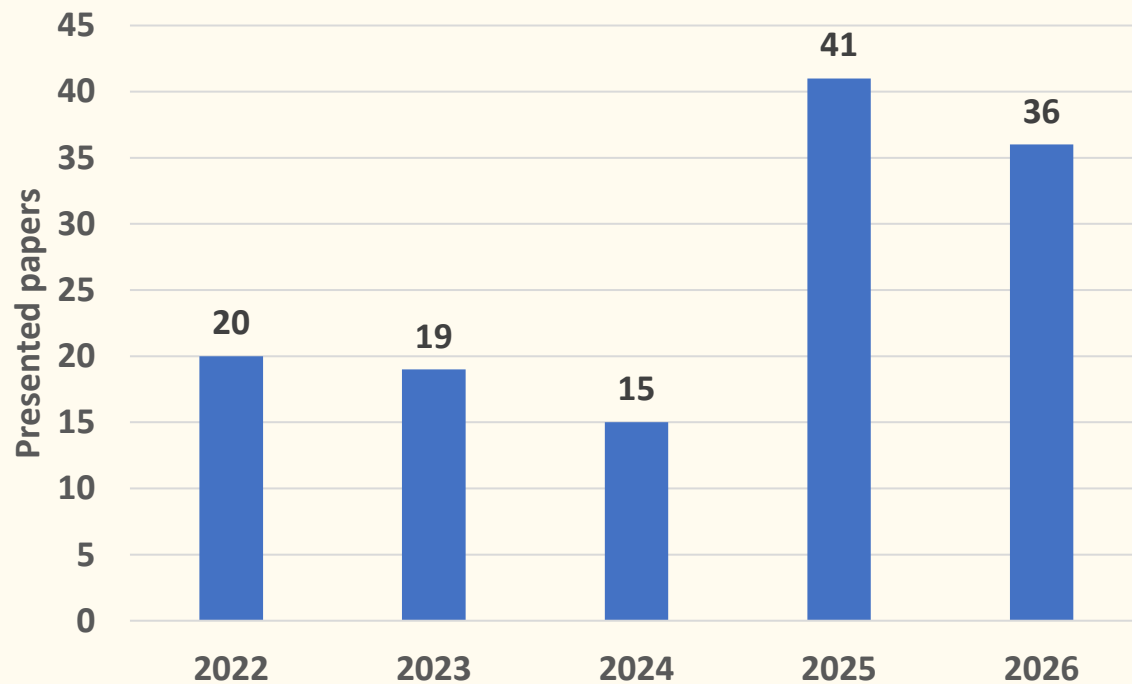
15 contributions were received: 11 oral presentations, and 4 poster presentations.

2025 IMEKO TC8-TC11-TC24 Conference



41 contributions were received: 34 oral presentations, and 7 poster presentations.

2026 IMEKO TC8-TC11-TC24 Conference



**IMEKO JOINT
CONFERENCE
TC8-TC11-TC24
PHILIPPINES 2026**

In 2026, 36 contributions were received: 20 oral presentations, and 16 poster presentations.

Editorial activities

Contribution to IMEKO editorial activities

In 2022, TC24 promoted a Special Issue in **Acta IMEKO** about **‘Measurements in Cultural Heritage’**.

Collected contributions have shown the relevance of chemical measurements in **archaeometry** and the importance to develop non-destructive measurement protocols for **in-situ analyses**.

Guest Editors:

Tatjana Tomić, TC24 Chair

Leonardo Iannucci, TC24 Scientific Secretary

Leila Es Sebar, TC24 Member

2022



**Acta IMEKO Special Issue:
Measurements in Cultural Heritage**



ACTA IMEKO
The IMEKO Online Journal

Call for papers

The IMEKO TC-24 on Chemical Measurements promotes a new Special Issue in Acta IMEKO related to 'Measurements in Cultural Heritage'. The fields of characterisation, valorisation, and preservation of Cultural Heritage (CH) are deeply connected to the metrological issues related to the collection, interpretation, and validation of data acquired using different analytical, physical-chemical, mechanical and imaging techniques.

Aim of this Special Issue is to publish research papers related, but not limited to, the following topics:

- Archaeometry
- Chemical and thermal analyses for CH
- Digital survey methodologies
- IoT-based systems for CH monitoring
- Diagnosis and monitoring for the restoration, preventive conservation, and maintenance of CH.
- Instrumentation for CH
- Geomatics
- Imaging techniques for CH
- Non-invasive and on-site measurements

All manuscripts will undergo the journal peer-review process. In the Cover Letter, please specify that your paper is submitted to the Special Issue 'Measurements in Cultural Heritage'. Additional information about the manuscript submission process can be found in Acta IMEKO website: <https://acta.imeko.org/index.php/acta-imeko/about/submissions>

Additional enquiries: leonardo.iannucci@polito.it

Guest Editors		
Tatjana Tomić	Leonardo Iannucci	Leila Es Sebar
IMEKO TC-24 Chair	IMEKO TC-24 Scientific Secretary	IMEKO TC-24 Member
INA, Zagreb, Croatia	Politecnico di Torino, Torino, Italy	Politecnico di Torino, Torino, Italy

Important dates	
15th April 2022 NEW DEADLINE for manuscript submission	September 2022 Publication in Acta IMEKO

Authors benefits
- Open Access (after publication the articles will be freely available for all readers) - No publication fees for Authors - Indexed in Scopus and DOAJ - Fast peer-review process

Vol. 11 - Issue 4

<https://doi.org/10.21014/actaimeko.v11i4.1434>

Editorial activities

Post-Conference Special Issue in *Measurement: Sensors* and *Acta IMEKO*





IMEKO

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Carolina Andrade, Brazil
Emma Angelini, Italy
Jovan Atanasovski,
Republic Of North Macedonia
Sandra Babić, Croatia
Süleyman Z. Can, Turkey
Ana Čop, Croatia
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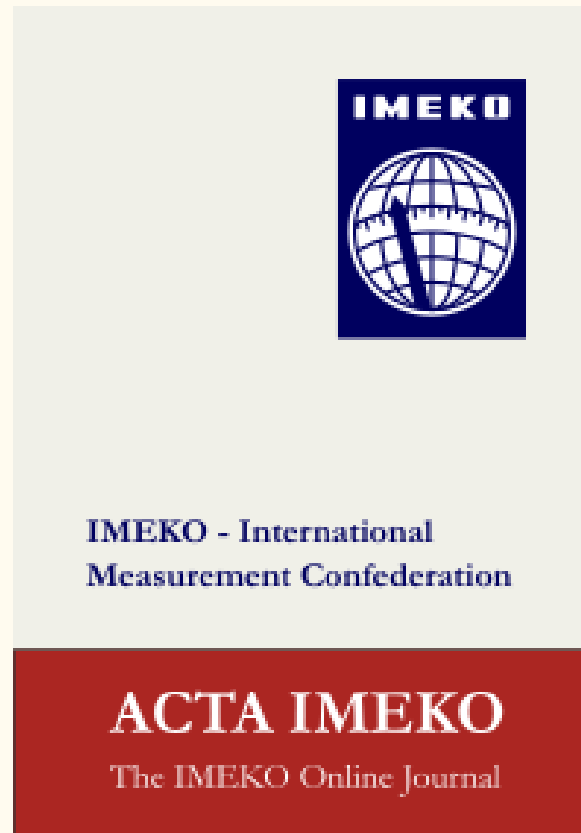
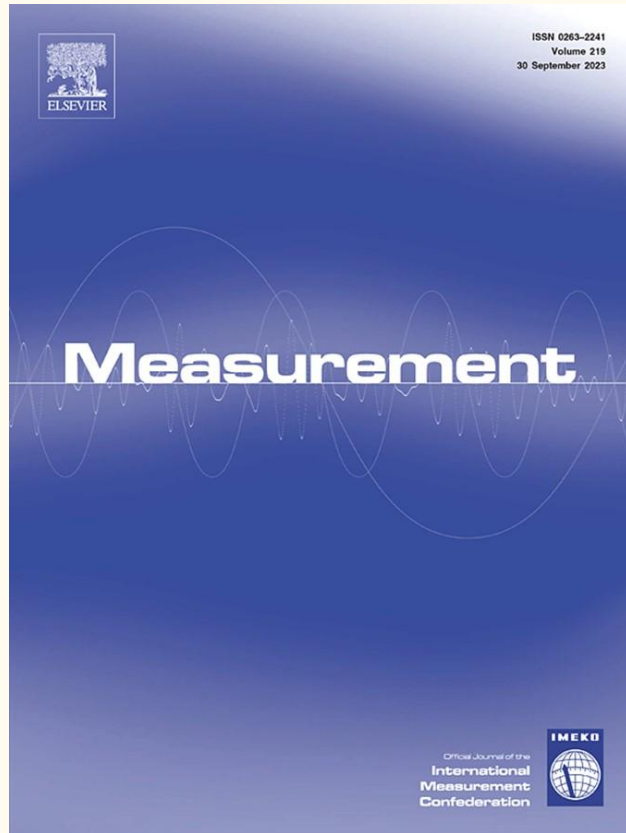
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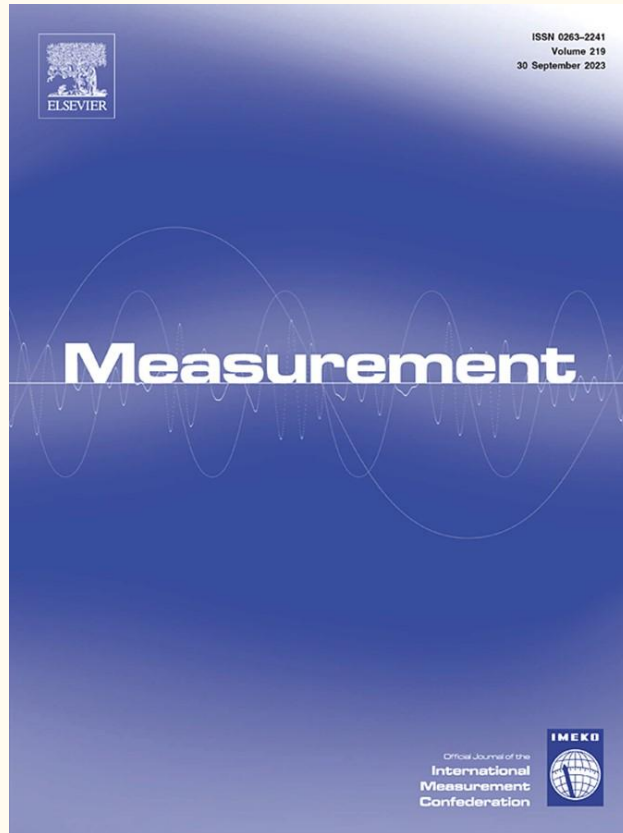
Editorial activities

Post-Conference Special Issue in *'Measurement'* and *'Acta IMEKO'*



Editorial activities

Post-Conference Special Issue in *Measurement*





IMEKO 2024

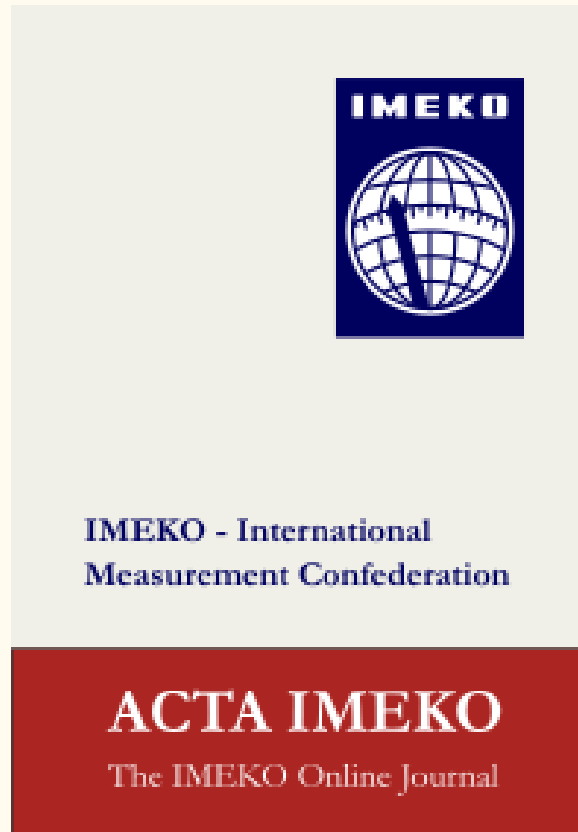
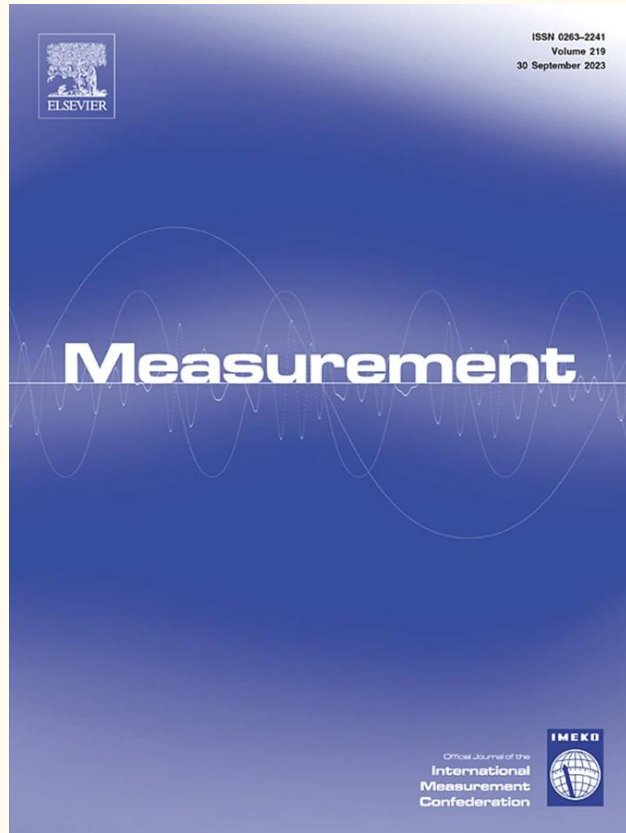
XXIV World Congress

26–29 August 2024 | Hamburg, Germany



Editorial activities

Post-Conference Special Issue in *'Measurement' and 'Acta IMEKO'*



Acta IMEKO

Vol. 15 No. 2 (2026)

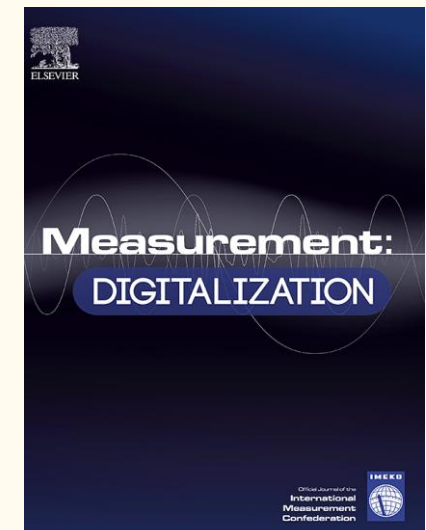
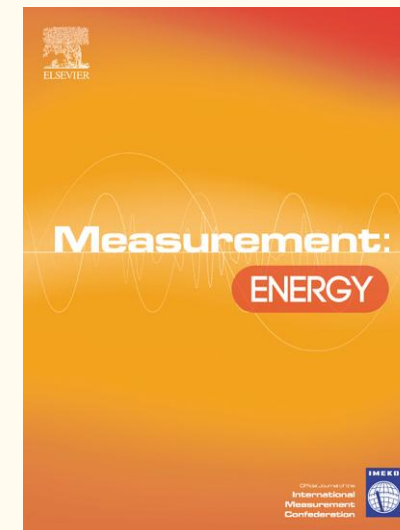
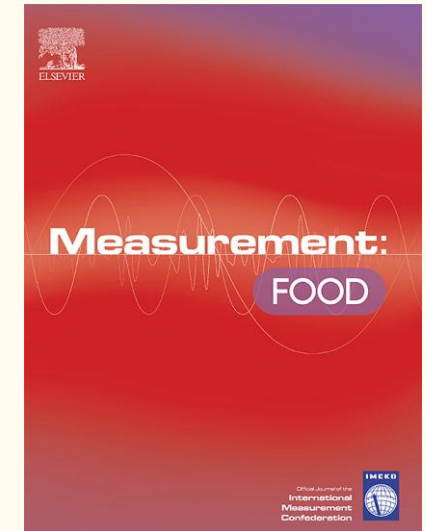
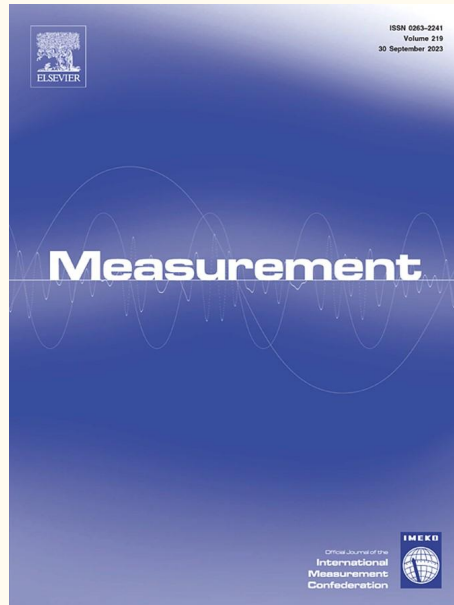
11 papers published in June 2026

Measurement

2 papers published

Editorial activities

Each **TC member** is expected to support the editorial work of IMEKO, reviewing the papers submitted to journals of the instrumentation and measurement field.



Future initiatives



Our mission: Create an **active worldwide community** of researchers and professionals working in the field of **Chemical measurements and metrology**.

- **IMEKO Talks on Chemical Measurements:** new presenters needed.
- **Conference in 2027:** IMEKO World Congress
- **IMEKO Newsletter:** writing about 'success stories' from our institutions
- **New members from Countries not yet represented in the TC.**
- **Election for TC officers' renewals will take place in 2027 (first half of the year)**



IMEKO 2027
**WORLD
CONGRESS**

RIMINI, ITALY
30 AUGUST - 3 SEPTEMBER, 2027



IMEKO World Congress 2027



XXV IMEKO WORLD CONGRESS - IMEKO 2027

IMEKO 2027 Conference Overview

- Rimini, Italy
- **Conference Venue** - Palacongressi di Rimini
- **Dates** - 30 August - 3 September 2027
- **Website** - www.imeko2027.org
- **Social** - Facebook, LinkedIn, X
#imeko2027



Main Topics



<u>TC1</u> Education and Training in Measurement and Instrumentation	<u>TC2</u> Photonics	<u>TC3</u> Measurement of Force, Mass, Torque, and Gravity	<u>TC4</u> Measurement of Electrical Quantities	<u>TC5</u> Hardness Measurement	<u>TC6</u> Digitalization
<u>TC7</u> Measurement Science	<u>TC8</u> Traceability in Metrology	<u>TC9</u> Flow Measurement	<u>TC10</u> Measurement for Diagnostics, Optimization and Control	<u>TC11</u> Measurement in Testing, Inspection and Certification	<u>TC12</u> Temperature and Thermal Measurements
<u>TC13</u> Measurements in Biology and Medicine	<u>TC14</u> Measurement of Geometrical Quantities	<u>TC15</u> Experimental Mechanics	<u>TC16</u> Pressure and Vacuum Measurement	<u>TC17</u> Measurement in Robotics	<u>TC18</u> Measurement of Human Functions
<u>TC19</u> Environmental Measurements	<u>TC20</u> Measurements of Energy and Related Quantities	<u>TC21</u> Mathematical Tools for Measurements	<u>TC22</u> Vibration Measurement	<u>TC23</u> Metrology in Food and Nutrition	<u>TC24</u> Chemical Measurements
<u>TC25</u> Quantum Measurement and Quantum Information	<u>TC26</u> Metrology for Cultural Heritage				

From the depths of Education and Training in Measurement and Instrumentation to the intricacies of Metrology for Cultural Heritage, IMEKO 2027 promises an unparalleled exploration into the vast realms of knowledge.

Open Calls (1)



CALL FOR PAPERS

We invite researchers and practitioners to submit original contributions

[Read More](#)

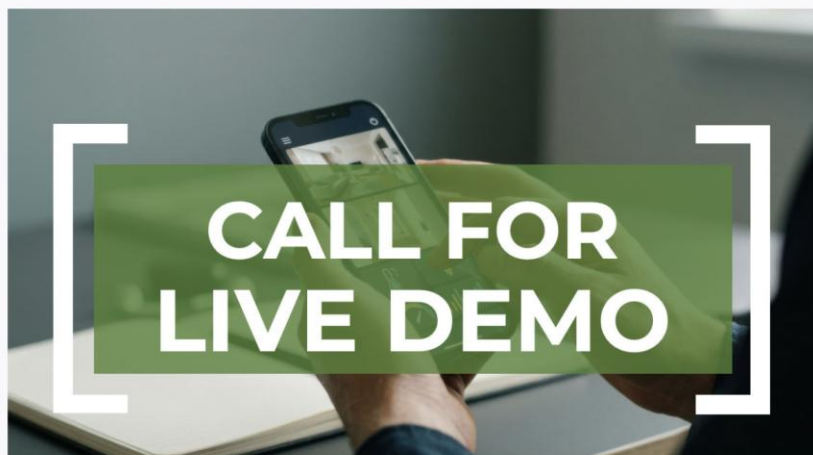


CALL FOR SPECIAL SESSIONS

SUBMISSION DEADLINE – **August 31, 2026**

[Read More](#)

Open Calls (2)



CALL FOR LIVE DEMONSTRATIONS

SUBMISSION DEADLINE – **May 30, 2027**

[Read More](#)



CALL FOR SPONSORS AND EXHIBITORS

Enhance your visibility and engage with an international audience

[Read More](#)

Confirmed Keynote Speaker (1)



Home Committees Info ▾ Calls ▾ Program ▾ Congress Venue Contacts



William D. Phillips

IMEKO WORLD CONGRESS 2027
RIMINI, ITALY / AUGUST 30 – SEPTEMBER 3, 2027



A New Measure: the Quantum Reform of the International System of Units

William D. Phillips
Quantum Measurement Division, Physical Measurement Laboratory
National Institute of Standards and Technology



Nobel Prize in Physics "for development of methods to cool and trap atoms with laser light» - 1997

Confirmed Keynote Speaker (2)





Home Committees Info ▾ Calls ▾ Program ▾ Congress Venue Contacts



Annette Koo

IMEKO WORLD CONGRESS 2027
RIMINI, ITALY / AUGUST 30 – SEPTEMBER 3, 2027



Digitalization and Metrology

Annette Koo

Director of the Bureau International des Poids et Mesures

Bureau
International des
Poids et
Mesures

Planned Technical Activities



- Educational Activities (in cooperation with TC1)
 - Sessions dedicated to education and training in measurement science.



- Spin-Off Activities
 - Showcase innovative international spin-offs highly active in the field of measurement science.



- Live Demonstration
 - Session dedicated to interactive live demonstrations of innovative electronic instrumentation prototypes developed through academic and industrial research.

Important Dates



Submission of Proposal for Special Session

Deadline: August 31, 2026 - **extended until September 15, 2026**

Submission of Extended Abstract (min. 4 pages)

Open: October 15, 2026 – Deadline: January 15, 2027

Notification of Abstract Acceptance

February 28, 2027

Submission of Revised Full Paper (max. 6 pages)

Open: May 3, 2027 – Deadline: May 18, 2027

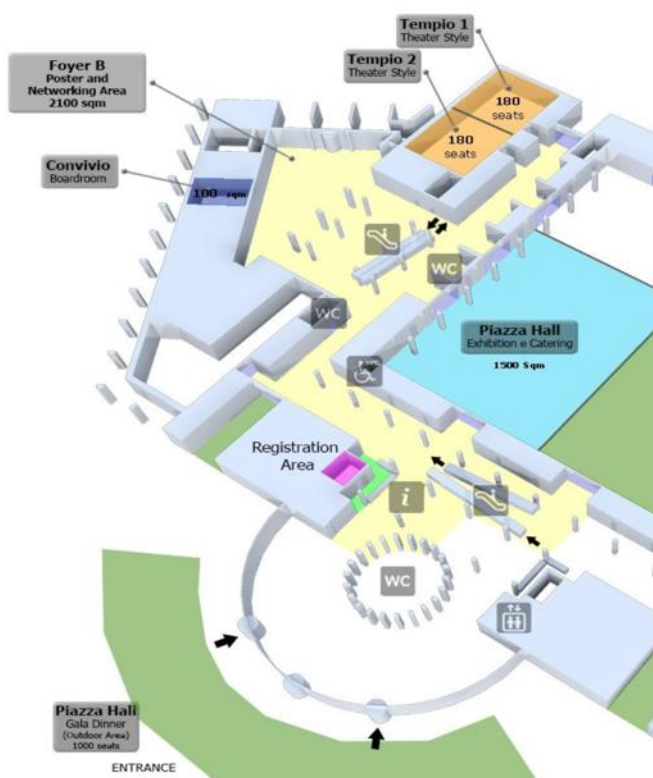
Submission of Final Full Paper (max. 6 pages)

Open: May 25, 2027 – Deadline: June 15, 2027

Sponsorship & Exhibitors



- Sponsors/exhibitors will have access to a large exhibition area inside the Congress Center, close to the poster session and the catering area.



Silver	Gold	Platinum
€3,000 + VAT	€4,500 + VAT	€6,000 + VAT
Exhibition booth – Stand Regular 6m ²	Exhibition booth – Stand Regular 6m ²	Exhibition booth – Stand Regular 9m ²
1 FREE Registration	2 FREE Registrations	3 FREE Registrations
Company's Logo in the Congress Material	Company's Logo in the Congress Material	Company's Logo in the Congress Material
Company's Logo in the Congress Website	Company's Logo in the Congress Website	Company's Logo in the Congress Website



Technical Program - Overview

As in previous editions, we plan to have **parallel sessions** to accommodate:

- technical sessions of all IMEKO TCs;
- workshops;
- joint TC sessions;
- special sessions.

Plenary sessions are also planned to accommodate:

- keynote speakers;
- opening and closing ceremonies;
- award presentations.

	Saturday August 28, 2027	Sunday August 29, 2027	Monday August 30, 2027	Tuesday August 31, 2027	Wednesday September 1, 2027	Thursday September 2, 2027	Friday September 3, 2027
am		General Council Session	Opening	Keynote Speakers	TC Sessions / Member Meetings	TC Sessions / Member Meetings	Technical Visits
			Keynote Speakers				
pm	Advisory Board and Technical Board Meeting		TC Sessions / Member Meetings	TC Sessions / Member Meetings	Keynote Speaker	Keynote Speaker	
					TC Sessions / Member Meetings	TC Sessions / Member Meetings	
		Registration / Get-Together	Social Event #1	Social Event #2	Gala Dinner	Closing and Award Ceremony	

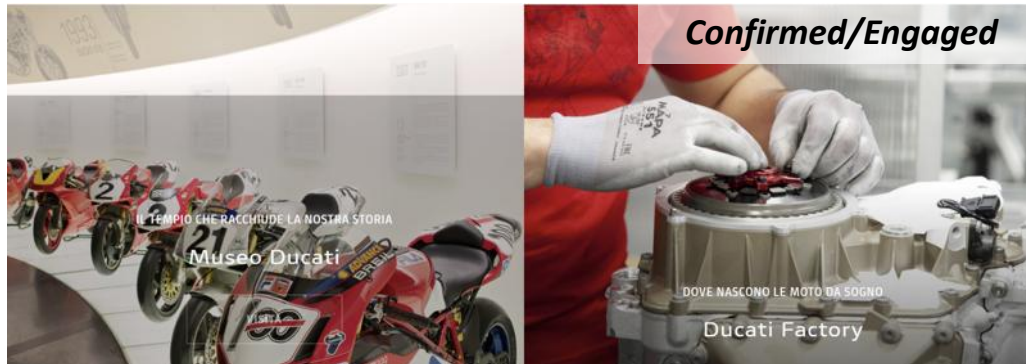


Technical Visits / Tours

Planned date: Friday, September 3



DUCATI - Borgo Panigale (BO)



LAMBORGHINI - Sant'Agata Bolognese (BO)



BONFIGLIOLI - Industrial drives and gearboxes

MARPOSS - Precision measurement instruments

FERRETTI GROUP - Luxury yachts and boats

SCM Group - Woodworking machinery solutions

CINECA - High-performance computing, academia



Social Programme (1)

The Social Programme Committee has been working on the definition and organization of the social programme dedicated to accompanying persons attending the conference.

A comprehensive programme was developed, including welcome aperitif, social dinner, guided tours (Rimini and San Marino), yoga sessions, and SUP (Stand-Up Paddle) activities.

SAN MARINO - Guided Tour of the Historic Centre



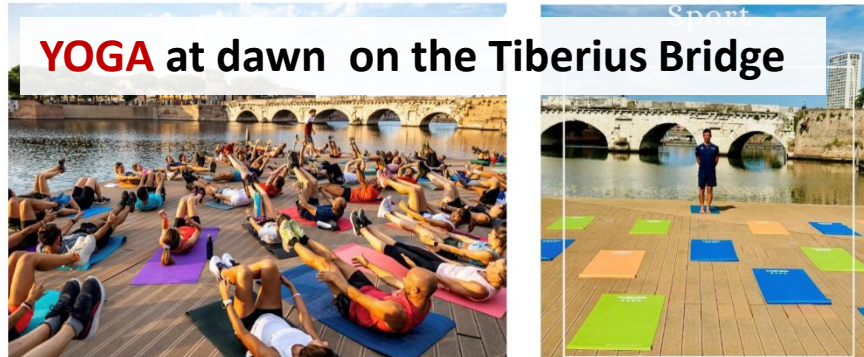
San Marino is the third smallest country in Europe, behind only the Principality of Monaco and the Vatican City, and the oldest Republic in the world.

RIMINI - Guided Tour of the Historic Centre



The walking tour of Rimini is a journey through history and cinema. The treasures of Rimini - the Arch of Augustus and the Bridge of Tiberius - reveal the city's Roman past

Social Programme (2)



To maximize flexibility and provide cost-effective solutions, the Committee defined four participation packages tailored to different interests:



Social Package - Welcome
Aperitif and Social Dinner



Social & Cultural
Package - Social events
plus guided tours



Social & Wellness Package -
Social events plus wellness
activities (Yoga and SUP)



Full Package - Access to
all proposed activities

Contacts and Useful Links

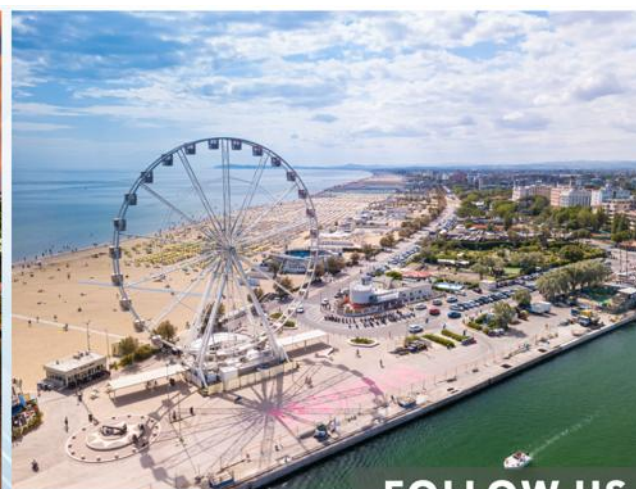


Website - <https://imeko2027.org>

Social Media - Facebook, X, LinkedIn
#imeko2027

Email - info@imeko2027.org

Contact Page - <https://imeko2027.org/contacts>



[www.imeko2027.org](https://imeko2027.org)

FOLLOW US



***We look forward to
welcoming you to
Rimini for IMEKO 2027***

Discussion





Thank you for your attention!

IMEKO, International Measurement Confederation

www.imeko.org