



3rd Circular

# Innovative Weighing Solutions for a Sustainable World

June 8-10, 2026

Kitakyushu International Conference Center, JAPAN

■■■ Greetings ■■■

Dear Colleagues,

It is a great honor for us to host the 2nd International Conference of Weighing (ICW 2026) in Kitakyushu in June 2026.

ICW is a conference that aims to raise the profile of the weighing and measurement industry, build a global network, and promote the sharing of knowledge and experience. The first ICW was held in Hamburg, Germany, in 2023, where 230 participants from 25 countries engaged in active discussions on important issues, including digitalization in the field of metrology. Building on these achievements, ICW2026 aims to serve as a forum that brings together diverse knowledge and perspectives and fosters dialogue and cooperation for the future.

The theme of the conference is “Innovative Weighing Solutions for a Sustainable World.” Today, we are facing a wide range of changes, including rapid shifts in industrial structures, shortages of human resources, environmental and resource constraints, and accelerating technological innovation. In this context, weighing and measurement play a more important role than ever: they support fair trade, enhance reliability and efficiency in manufacturing, advance science and technology, and provide a foundation for a sustainable society. At ICW2026, through the three perspectives of legal, scientific and applied metrology, as well as through poster sessions and public open lectures, we hope to bring together broad knowledge and deepen discussions on new forms of weighing and measurement that will help shape a sustainable future.

We also believe that ICW is more than just a forum for exchanging information. It is a place where researchers, industry representatives stakeholders involved in rule-making, as well as students and young researchers, come together across countries and regions to share their knowledge, experience, concerns, and visions for the future, and thereby create new forms of cooperation. We hope that all participants will join this conference not only as listeners, but also as active contributors who discuss, connect, and help move the future forward together.

Here in Kitakyushu, one of Japan’s leading industrial cities, also known for its rich natural surroundings and food culture, let us bring together our knowledge, experience, and aspirations, engage in meaningful dialogue, and build a truly valuable conference together. We sincerely look forward to welcoming you.



**Yasuyuki TANAKA**

Chair of ICW Organizing Committee  
President of Tanaka Scale Works  
Director of Japan Measuring Instruments Federation



Dear Esteemed Participants,

On behalf of the Organizing Committee, it is my great pleasure to welcome you to the International Conference of Weighing 2026, as we gather under the inspiring theme: **“Innovative Weighing Solutions for a Sustainable World.”**

Sustainability is not only a technical challenge but also a shared responsibility that transcends borders. By bringing together diverse perspectives, we can develop common approaches, combine our expertise, and create synergies that accelerate progress. Precise and intelligent weighing technologies provide a strong foundation for these cooperative efforts, supporting efficiency, fairness, and the achievement of global sustainability goals.

ICW 2026 is more than a forum for knowledge exchange; it is a platform for building partnerships that drive innovation and positive change. We look forward to fruitful discussions, inspiring ideas, and collaborations that will carry our community forward in addressing the pressing challenges of our time.

Warm regards,

**Daniel Kneubühl**

President, International Cooperation Group, CECIP

■ ■ ■ Conference Schedule ■ ■ ■

	8-Jun	9-Jun	10-Jun			
Morning	Registration			Panel Discussion Award ceremony & Closing Until 11:30		
	Opening session	Legal	Scientific		Applied	
		Break				
	Legal	Scientific	Applied			
Afternoon	Lunch / Poster session		Lunch / Poster session		Technical tour	
	Legal	Scientific	Applied	Plenary session 2		
	Break / Poster session			Break / Poster session		
	Legal	Scientific	Applied	Plenary session 3		
Evening	Welcome Reception 19:00~21:00		Gala Dinner 19:30~21:30			

■ ■ ■ Prestigious lecturers at a glance ■ ■ ■ (as of April, 2026)

**8th June Opening Session, Keynote Speech**

**Prof. Tshilidzi Marwala**

Rector of the United Nations University  
Under-Secretary-General of the United Nations



Professor Tshilidzi Marwala is the Rector of the United Nations University and an Under-Secretary-General of the United Nations. He assumed office as the University's seventh Rector on 1 March 2023. He holds a PhD in Artificial Intelligence and Engineering from the University of Cambridge and a BSc in Mechanical Engineering (magna cum laude) from Case Western Reserve University.

He holds a PhD in Artificial Intelligence and Engineering from the University of Cambridge, a Master's degree in Mechanical Engineering from the University of Pretoria, and a BSc in Mechanical Engineering (magna cum laude) from Case Western Reserve University. He has also completed the Advanced Management Program at Columbia Business School and a leadership development programme at Harvard Business School.

**8th June Opening Session**



**“OIML: Enabling Innovation for a Sustainable Future”**

**Dr. Bob Joseph Mathew**

CIML President  
Vice-Director of the Federal Institute of Metrology METAS

The International Organization of Legal Metrology (OIML) plays a pivotal role in fostering innovation while ensuring global measurement standards that support sustainable development. As industries transition toward greener technologies and digital ecosystems, accurate and reliable measurements become essential for energy efficiency, resource optimization, and environmental protection. This presentation explores how OIML enables innovation through harmonized standards, digital transformation, and collaborative frameworks that address emerging technologies such as smart sensors, renewable energy systems, and data-driven metrology. By aligning legal metrology with sustainability goals, OIML not only strengthens trust in measurements but also accelerates progress toward a resilient, inclusive, and environmentally responsible future.

## 8th June Opening Session



### **“The Weight of Progress: How the CCM is Advancing Measurement Science for a Changing World”**

**Ms. Georgette Macdonald**

President, CIPM Consultative Committee for Mass and related quantities  
Director General, Metrology  
National Research Council Canada

The Consultative Committee for Mass and Related Quantities (CCM) Strategy outlines the global roadmap for advancing measurement science in mass and related quantities over the next decade. Building on the 2019 redefinition of the kilogram, the strategy emphasizes three core aims: progressing measurement science, promoting global comparability, and improving stakeholder engagement. Further, it addresses seven “grand challenges” identified by the CIPM—spanning climate change, health, food safety, energy, advanced manufacturing, digital transformation, and emerging metrology—where enhanced traceability and precision in mass-related measurements can yield societal and industrial benefits.

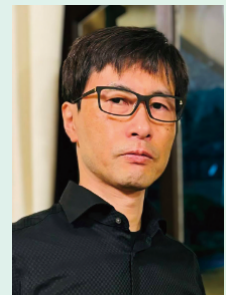
This talk will summarize the CCM’s vision of a world where all measurements of mass and related quantities are globally comparable and traceable to the SI, highlighting key milestones, research priorities, and international coordination efforts guiding metrology into a more connected, digital, and sustainable future.

## 8th June Opening Session

### **“The Gravitational Constant G Shapes the Cosmos –The History of Measuring a Fundamental Physical Constant”**

**Dr. Taro KOTANI**

Lecturer and Science Writer



The gravitational constant,  $G=6.67430(15)\times 10^{-11} \text{ N m}^2/\text{kg}^2$ , is one of the fundamental physical constants that shape the cosmos as we know it today. Had  $G$  taken a different value, the nature of astrophysical objects would have been entirely altered, and life itself might never have emerged. Why does  $G$  possess this particular value—so much weaker than other fundamental forces, such as electromagnetism, by many orders of magnitude? Modern physics offers no definitive answer to this profound question. In this talk, I will review the history of humanity’s quest to determine  $G$ , tracing back to the eighteenth century.

## 9th June Plenary session 2



### **“Future Directions of Manufacturing Shaped by the Circular Economy”**

**Prof. Yasushi UMEDA**

Graduate School of Engineering, The University of Tokyo

In recent years, the Circular Economy (CE) has been attracting increasing attention. It is founded on two pillars: production based on recycled resources and value creation that is not dependent on material throughput. CE should be regarded as a powerful catalyst for transitioning toward a new paradigm of manufacturing, moving away from the unsustainable mass production and mass consumption. This lecture introduces an overview of CE with some enabling ideas including corporate ecosystems led by circulation providers, product life cycle design, business models, and digitalization.

## 9th June Plenary session 2

### “Extreme Measurements and Gravitational Wave Astronomy”

**Prof. Takaaki KAJITA**

Distinguished University Professor,  
Institute for Cosmic Ray Research, The University of Tokyo  
2015 Nobel Prize Laureate in Physics



KAGRA ©ICRR

A century has passed since Einstein predicted gravitational waves, and we are now in an era where gravitational waves are regularly observed, and the data can be used to explore the mysteries of the Universe. To observe gravitational waves, it is necessary to measure extremely small expansions and contractions of space, and it is largely due to the development of technology over the past decades that such observations have become possible. In this lecture, I would like to introduce the measurement technology that makes gravitational wave observations possible, introduce the KAGRA project that we are currently working on, and talk about the mysteries of the Universe that gravitational wave astronomy will unravel.

## 9th June Plenary session 3

### “Current Status and Challenges of Certified Measurers’ Activities in Kyushu”

**Mr. Kazuki KIYOHARA**  
Certified Measurer



Kyushu, located in southwestern Japan, consists of seven prefectures plus Okinawa. As one of the certified measurers working in Kyushu, This presentation outlines the current status of substitute inspections—commonly referred to as dai-kensa—conducted by certified measurers in place of periodic governmental inspections, which are performed for a wide range of businesses—from large companies to small individual shops.

Drawing on practical experience as an active certified measurer in Kyushu, the presentation highlights key operational challenges, emerging issues, and regional characteristics associated with these activities.

\*Certified measurers are nationally certified professionals registered by the Minister of Economy, Trade and Industry under the Measurement Act in Japan, and are responsible for managing and ensuring accurate measurements at companies and business establishments.

## 9th June Plenary session 3

### “The OIML-CS quality infrastructure and inclusion of Manufacturer Testing Laboratories”

**Mr. Gulian Couvreur**

Head of the Conformity Evaluation Body METAS-Cert at the Swiss Federal Institute of Metrology (METAS)



The International Organization of Legal Metrology OIML proposes the OIML-CS which is a certification system, that allows manufacturers in various fields of measuring instruments to obtain an OIML certificate for a measuring instrument. The certificate is recognized in a large number of countries. The system brings trust for the utilizers that recognize the tests performed. We take a look in the OIML-CS Quality infrastructure that allows trustworthiness in the certificates issued.

## ■ ■ ■ Themes and topics for parallel sessions at a glance ■ ■ ■

### Legal Metrology

1. Latest developments in Legal Metrology
2. OIML Session
3. Software and security
4. Activities of international organizations



### Applied Metrology

1. Image-based measurement/AI
2. Automation
3. Weigh-in-Motion (WIM)
4. New applications



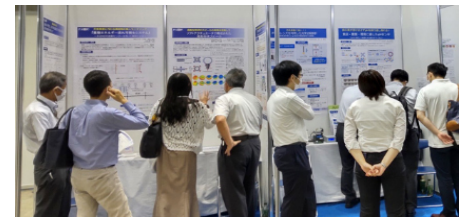
### Scientific Metrology

1. Dissemination of the redefined mass unit
2. Kibble balance and extension
3. DX
4. New technology in weighing

The presentation topics for each session are available on the website.

## ■ ■ ■ Poster Session ■ ■ ■

We are pleased to announce that we have received over 70 poster abstracts covering a wide range of topics, including AI, digital transformation (DX), measurement technologies, sensors, and more. These contributions come from universities, research institutes, and private companies. You will also have the opportunity to interact with poster presenters with new ideas and enjoy engaging discussions throughout the event.



## ■ ■ ■ Technical Tour (10-June) ■ ■ ■

You can choose a course from several options including:

### ■ Mazda Motor Corporation Hofu Plant

Founded in 1920, Mazda Motor Corporation manufactures and sells cars and commercial vehicles, and Hofu Plant is the latest plant of Mazda. Hofu plant is characterized by the flexible production line: assembling multiple vehicle models on a single line with non-fixed facilities such as AGV (Automated Guided Vehicle).

Participants will observe the car production process focused on the assembly line.

### ■ Kitakyushu Eco-Town Center

The city of Kitakyushu promotes the Eco-Town project, aiming for the construction of a resources-recycling economic society. Kitakyushu Eco-Town Center is the core facility of the project. Participants will observe Recycling Plants which participate in the project.



### ■ Kitakyushu Science and Research Park + Fukuoka Munakata Sake Brewery, Izu-honten

The Kitakyushu Science and Research Park is a hub for R&D and industry-academia collaboration, bringing together universities, research institutes, and leading companies. On this tour, participants will visit the centers, which promotes the use of robots and digital transformation (DX) through IoT and related technologies in SMEs and supports semiconductor prototyping and its verification.

At the Sake Brewery, participants can enjoy an opportunity to learn Japanese-sake brewing process and purchase various local specialties such as sake and sake steamed buns.

### ■ Research Center for Hydrogen Industrial Use and Storage (HYDROGENIUS)

<https://h2.kyushu-u.ac.jp/english/>

HYDROGENIUS has been conducting a wide range of research on various industrial materials and products used in a hydrogen environment, from fundamental to applied studies. On this tour, participants will visit various experimental facilities used in hydrogen-related research, guided by the researchers.

### ■ Shabondama Soap Co., Ltd. + Kitakyushu Natural History and Human History Museum

<https://global.shabon.com/>

Founded in 1910, Shabondama Soap Co., Ltd. manufactures soaps, body and hair products free from synthetic chemicals and additives. Participants will observe the artisanal production process and the line from machining to packing.

(note: Shabondama soap's products contain beef tallow.) Participants will also visit Kitakyushu Natural History and Human History Museum and learn about the natural history through 4.6 billion years and the cultural history in Japan.

### ■ Sightseeing Tour (Dazaifu Tenmangu Shrine + Kyushu National Museum)

<https://www.dazaifutenmangu.or.jp/en/>

On this tour, participants will visit the Dazaifu Tenmangu Shrine, which has a history of over 1,100 years and is dedicated to Sugawara no Michizane, the deity of learning and the arts, as well as the Kyushu National Museum, which introduces the formation of Japanese culture with the philosophy of "mapping the formation of Japanese culture within the context of Asia's history".

## ■■■ Registration ■■■

All participants are required to register online in advance.  
Participation fees vary depending on participant type. Please refer to the attached document or check the website for the program you can participate in.

### Participation Fee (Tax included)

	ICW Partner Organization * Member	Regular Registration Until 22 May 23:59 (JST) 2026
Regular	Member	88,000 JPY
	Non-Member	110,000 JPY
Students / Supervisors	-	11,000 JPY
Accompanying Person	-	25,000 JPY

### Speakers / Moderators / Poster Presenters (Tax included)

	Registration Until 22 May 2026
Speakers / Moderators	Free of charge
Poster Presenters	Free of charge Please note that poster presentation abstract deadline is 31 March, 2026.
Partner Organization Speakers / Moderators*	55,000 JPY

\*ICW Partner Organizations: CECIP, CWIA, JMIF, KASTO, WIAA, REMESP, CAFIPEM

Payment Method: All payments must be made in Japanese yen by credit card or Paypal.

Cancellation and Refund Policy: No Refund after payment.

### Important Dates

Deadline of Regular Registration: **May 22, 2026**



<https://www.weighingconference.com/>

The World's Leading Food Processing Expo

# FOOMA 2026

JAPAN FOOD PROCESSING TECHNOLOGY EXPO Tokyo Big Sight

June 2<sup>Tue.</sup> 5<sup>Fri.</sup> 10 a.m. - 5 p.m.

<https://www.foomajapan.jp/int/>

Organized by: The Japan Food Machinery Manufacturers' Association

## ■ ■ ■ Participation Fees ■ ■ ■

### Regular Participant

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Tax included

\*ICW Partner Organizations:

**CECIP, CWIA, JMIF, KASTO, WIAA, REMESP, CAFIPEM**

- Participation fee for **Regular participants** includes:  
Session participation, Conference Bag, Lunch, Coffee Break, Welcome Reception, Gala Dinner and Technical Tour.
- Participation fee for **Students/Supervisors** includes:  
Session participation, Conference Bag, Lunch, Coffee Break, Welcome Reception.
- Participation fee for **Accompanying person** includes:  
Welcome Reception, Gala Dinner, Sightseeing Tour (June 8) , Technical Tour (June 10)

### Speakers/Moderators/Poster Presenters

	Registration Until 22 May 2026
Speakers / Moderators	Free of charge
Poster Presenters	Free of charge Please note that poster presenters need to sign up and submit an abstract via online by 31 March, 2026.
ICW Partner Organization Speakers / Moderators*	55,000 JPY (Tax included)

Speakers/Moderators/Poster presenters will receive a key code from the secretariat for free admission.

\*ICW Partner Organizations:

**CECIP, CWIA, JMIF, KASTO, WIAA, REMESP, CAFIPEM**

- Participation fee for **Speakers/Moderators and Partner Organization Speakers/Moderators** includes:  
Session participation, Conference Bag, Lunch, Coffee Break, Welcome Reception, Gala Dinner and Technical Tour.
- Participation fee for **Poster presenters** includes:  
Session participation, Conference Bag, Lunch, Coffee Break, Welcome Reception.

The host city of ICW2026, Kitakyushu is located in northern Fukuoka Prefecture with a population of about 900,000. It has long developed as an industrial city centered on steelmaking. At the same time, it has also been attracting attention as an "Eco-model City" due to its pioneering efforts in addressing environmental issues.



### Conference Venue



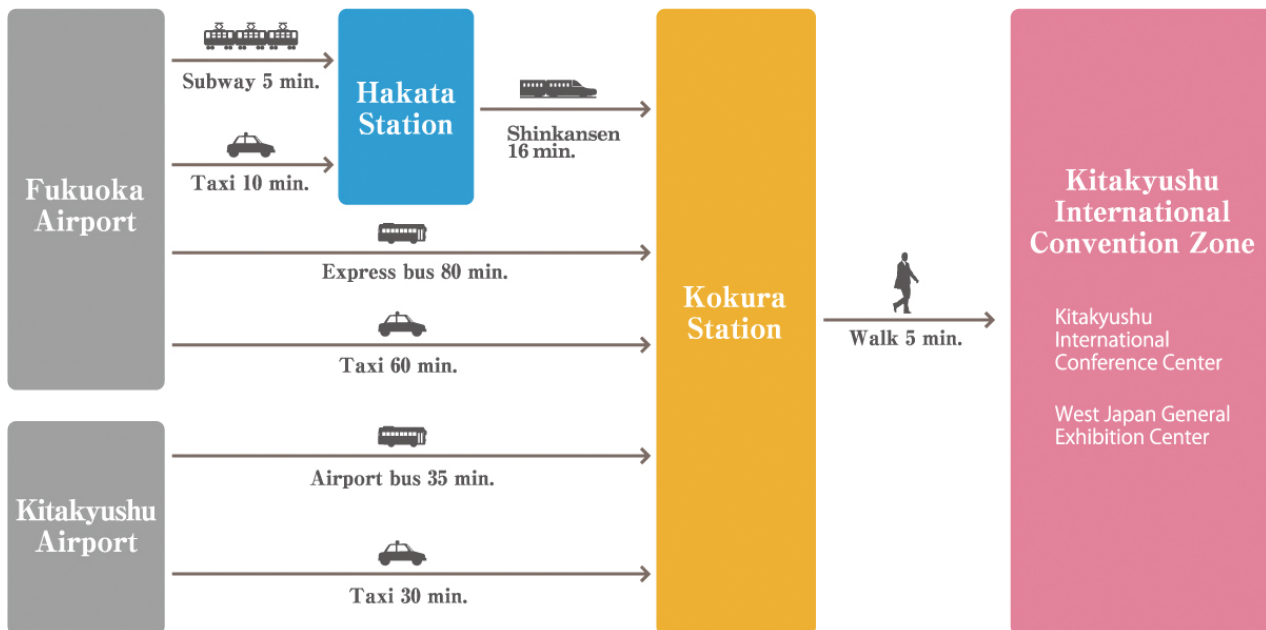
#### Kitakyushu International Conference Center

3-9-30 Asano, Kokurakita-ku, Kitakyushu-shi, Fukuoka



The Conference Center is within a walking distance of the JR Kokura Station and 30 minutes from Fukuoka Airport.

For more information, please visit <https://hello-kitakyushu.or.jp/en/>



### Accommodation

There are many hotels near the conference center. You can find hotel information on the ICW website.

### Contact

ICW2026 Organizing Committee Secretariat  
(Japan Measuring Instruments Federation /JMIF)

Email: [icw2026@keikoren.or.jp](mailto:icw2026@keikoren.or.jp)

ICW2026 website

