



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 in Kitakyushu in June 2026. The conference aims to increase the presence of the weighing industry, build a global network, and exchange information, while also being an important opportunity to discuss the role that measurements should play in addressing the challenges the world is facing and build the future together.

Today, we are facing serious challenges such as a declining workforce and a weakening industrial base. Furthermore, the shortage of human resources in the measurement industry is also a major issue. Meanwhile, measurement is becoming more important than ever as a part of the social infrastructure that supports fair trade, manufacturing sites, and the development of science, technology, and new energy sources.

At the inaugural conference, ICW2023 held in Hamburg, 230 people, including NMIs (National Metrology Institutes) and corporate experts from 25 countries, gathered to actively discuss digitalization in the industry and successfully built networks. ICW2026 will further develop these, aiming to be a more diverse and open conference through poster sessions by students and young researchers, expanded corporate exhibits, promotion of participation from Southeast Asia.

The theme of the event is "Innovative Weighing Solutions for a Sustainable World." We will once again bring together diverse knowledge from the three perspectives of scientific metrology, applied metrology, and legal metrology to discuss new forms of measurement that will shape a sustainable future.

ICW is more than just a place for exchanging information. We hope it will continue to develop as a new forum for cooperation that "moves the future" by sharing opinions, wisdom, and visions from each country.

We hope you will join us in Kitakyushu, sharing your knowledge and passion, building cooperation across borders and regions, and working toward building a trustworthy measurement industry and developing a sustainable society.



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		
	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		Gala Dinner			

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

8th June Opening Session, Keynote Speech

Prof. Tshildzi Marwala

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



Professor Tshildzi 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 Gravitational Constant G Shapes the Cosmos –The History of Measuring a Fundamental Physical Constant”

Dr. Taro KOTANI

Lecturer and Science Writer



The gravitational constant, $G=6.67430(15)\times 10^{-11}$ N m²/kg², 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

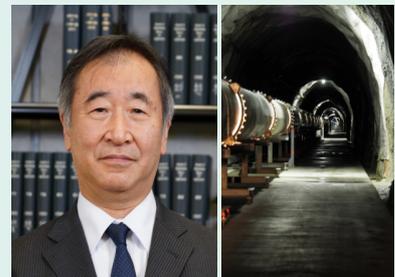
In recent years, the Circular Economy (CE) has been attracting increasing attention. It is founded on two pillars: production based on recycled resources and value creation that is not dependent on material throughput. CE should be regarded as a powerful catalyst for transitioning toward a new paradigm 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.

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

Legal Metrology

1. Latest trends 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. Other topics

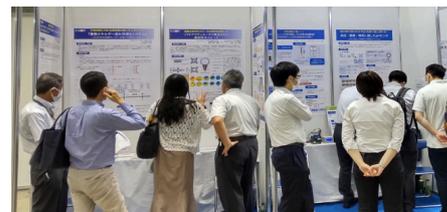


Scientific Metrology

1. Dissemination of the Redefined Mass Unit
2. Development of balances
3. Digital Twin, DCC
4. Mass and density metrology
5. Weighing instruments and load cell
6. Other topics

■ ■ ■ Call for Posters ■ ■ ■

We kindly invite posters from university students, researchers and engineers for the ICW2026 poster session. We welcome a variety of research themes, not limited to the field of weighing, from universities, research institutes and private companies. We look for research topics that you would like to introduce to the field of metrology, such as AI, digitalization and sustainability, or that can be utilized in the industry. For more information, please visit the ICW website for poster guidelines.



■ ■ ■ Technical Tour (10-June) ■ ■ ■

You can choose a course from several options including:

■ Toyota Motor Kyushu, Inc.'s Miyata Plant

<https://www.toyota-kyushu.com/english/>

On this tour, participants will observe the body welding and assembly of the production line as well as understand Toyota's commitments through exhibitions and hands-on experiences.

■ 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".

We regret to announce that Yaskawa Electric Corporation Factory tour has been canceled due to factory restructuring.

■■■ 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	Early Bird Registration Until 31 March 23:59 (JST) 2026	Regular Registration Until 22 May 23:59 (JST) 2026
Regular	Member	77,000 JPY	88,000 JPY
	Non-Member	99,000 JPY	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 Early Bird Registration: **March 31, 2026**

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



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

The Shift is On.

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FOOMA 2026
JAPAN FOOD PROCESSING TECHNOLOGY EXPO Tokyo Big Sight

June 2^{Tue.} 5^{Fri.} 10 a.m. - 5 p.m.

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

Organized by: The Japan Food Machinery Manufacturers' Association

■ ■ ■ Participation Fees ■ ■ ■

Regular Participant

	ICW Partner Organization * Member	Early Bird Registration Until 31 March 23:59 (JST) 2026	Regular Registration Until 22 May 23:59 (JST) 2026
Regular	Member	77,000 JPY	88,000 JPY
	Non-Member	99,000 JPY	110,000 JPY
Students / Supervisors	-	11,000 JPY	
Accompanying Person	-	25,000 JPY	

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



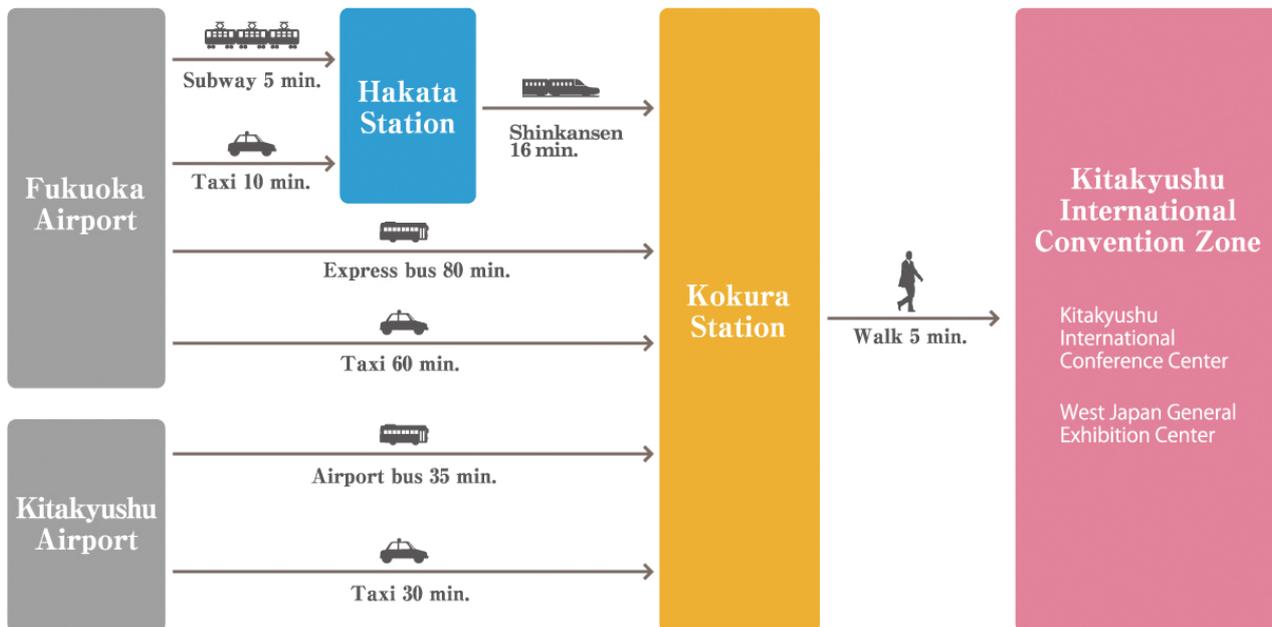
Kitakyushu International Conference Center

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

ICW2026 website

