

2nd 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 ■■■ (Tentative)

	8-Jun	9-Jun	10-Jun
Morning	Registration		
	Opening session	Legal Scientific Applied	Plenary session 4 Award ceremony & Closing
		Break	
Afternoon	Lunch / Poster session	Lunch / Poster session	
	Legal Scientific Applied	Plenary session 2	Technical tour
	Break / Poster session	Break / Poster session	
	Legal Scientific Applied	Plenary session 3	
Evening	Welcome Reception	Gala Dinner	

■■■ Prestigious lecturers at a glance ■■■ (as of November, 2025)

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

Abstract will be open soon.

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

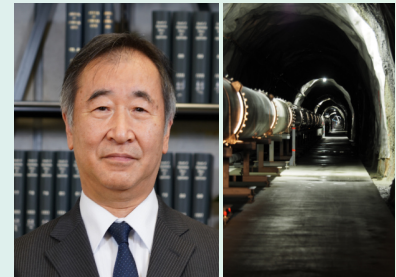
In recent years, the Circular Economy (CE) has been attracting increasing attention. It is founded on two pillars: production based on recycled resources and value creation that is not dependent on material throughput. CE should be regarded as a powerful catalyst for transitioning toward a new paradigm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

Legal Metrology :

1. Remote monitoring of measuring instruments
2. OIML Session/ R76, R51
3. Software and security

Applied Metrology :

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

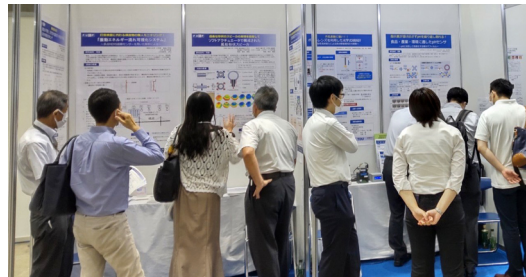
Scientific Metrology :

1. Dissemination of the Redefined Mass Unit
2. Development of balances
3. Digital Twin, DCC • Mass and Density Metrology
4. Other Topics (Mass and Density Metrology, load cell etc)



■■■ 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) ■■■

Discover the Spirit of Innovation in Kitakyushu!

As a proud "City of Manufacturing," Kitakyushu has long supported Japan's industrial growth and is now leading the way toward a more sustainable, eco-friendly future. Experience the city's rich industrial heritage and forward-thinking spirit firsthand!



You can choose a course from several options including:

■ Toyota Motor Kyushu, Inc.'s Miyata Plant <https://www.toyota-kyushu.com/english/>

Toyota Motor Kyushu produces Lexus models in Miyata Plant. You will observe the body welding and assembly of the production line. In addition, you will understand Toyota's commitments through exhibitions and hands-on experiences.

■ Yaskawa Electric Corporation <https://www.yaskawa-global.com/>

Yaskawa Electric corporation is a manufacturer of servo motors, AC drives and industrial robots. You will observe the assembly line and the auto testing area of industrial robots as well as experience Yaskawa's technology with exhibitions such as games and entertainment shows at YASKAWA Innovation Center.

■ Kitakyushu Eco-City Center

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. You will observe a few of Recycling Plants which participate in the project.



Please note that the organizing committee is still working on details on the tour. Other options will be updated soon on the website.



The Shift is On.

The World's Leading Food Processing Expo

FOOMA 2026

JAPAN FOOD PROCESSING TECHNOLOGY EXPO Tokyo Big Sight

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

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

Organized by: The Japan Food Machinery Manufacturers' Association



■■■ 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 28 February 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: **February 28, 2026**

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



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

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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 ■■■



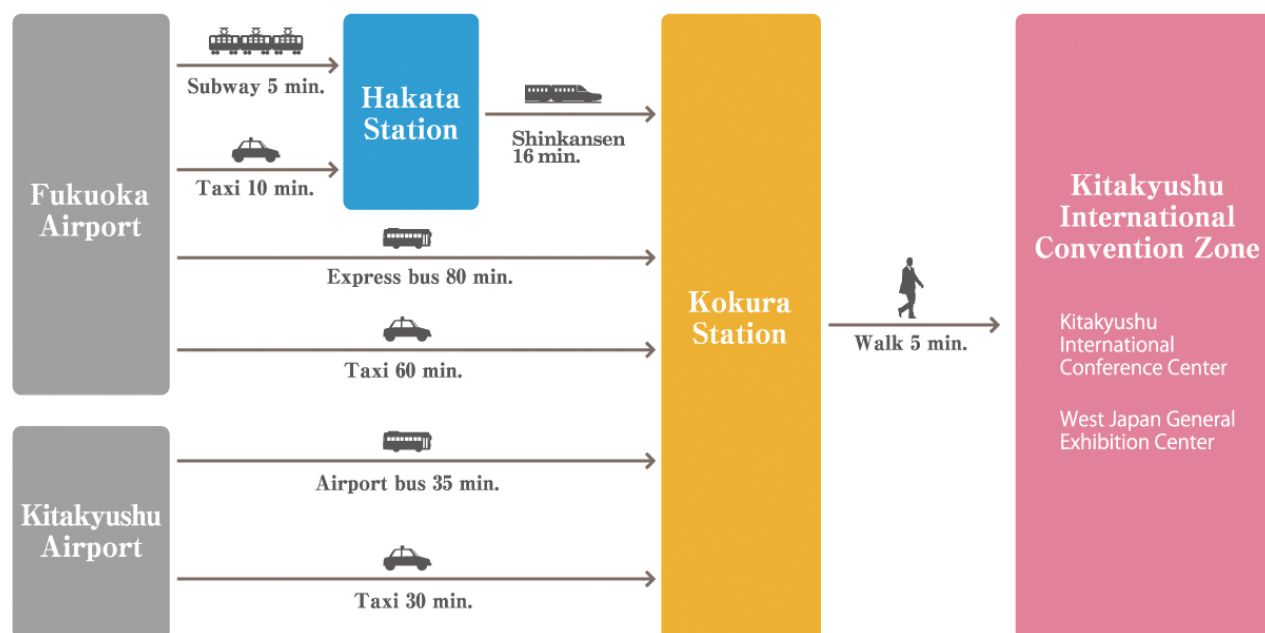
Kitakyushu International Conference Center

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

