



INTERNATIONAL MEASUREMENT CONFEDERATION

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IMEKO NEWSLETTER – WINTER 2018

Dear Reader,

The second Newsletter of this year with exciting news from the International Measurement Confederation is here.

A copy of the Newsletter is also available on our website, www.imeko.org.

🔔 The circle of invitees to **next year's Spring Presidential Meeting scheduled in Budapest, Hungary, for 2019** will be extended with a "Special Seminar" with the participation of the Chairpersons or Scientific Secretaries from IMEKO Technical Committees (TC) to improve the TC's activities and involve more young members in the Confederation in the future.

🔔 **New IMEKO Officers** and Chairs of IMEKO Committees were elected/re-elected **for the next triennium (2019-2021):**

Prof Masatoshi Ishikawa, Japan – President

Prof Ken Grattan, UK –Immediate Past President, Chair of the Advisory Board (AB)

Prof Frank Haertig, Germany – President Elect, Chair of the Technical Board (TB)

Mr Zoltán Zelenka, Hungary – Secretary General (re-elected)

Prof Alexandru Salceanu, Romania – new Treasurer

Dr Dirk Roeske, Germany – Information Officer (re-elected)

Prof Shigeru Takayama, Japan – Vice President in charge of XXIII IMEKO WC

Dr Yon-Kyu Park, Republic of Korea –Vice President for External Relations (re-elected)

Prof Paolo Carbone, Italy – Vice President for Publications and Editor-in-Chief of “Measurement”

Prof Prof Dušan Agrež, Slovenia – Editor-in-Chief of “Acta IMEKO”

Prof Leo Van Biesen, Belgium – Chairperson of Credential and Membership Committee (CMC) (re-elected)

Prof Ron Summers, UK – Chairperson of Drafting Committee (DC)

We wish all of them good health and a resounding success in their respective field of endeavour!

🔔 **A state-of-the-art version of the Guide “How to organize IMEKO TC Events (Conferences, Symposia and Workshops)”**, which is very useful for the TCs and TC event organizers, was published on the website of IMEKO in August 2018:

<http://www.imeko.org/index.php/organization/downloads>.

🔔 In conformity with the EU Privacy Law, **the General Data Protection Regulation (GDPR)**, the guidelines for GDPR and the relevant document, **the Statement of Consent**, are published on the website of the Confederation:

<http://www.imeko.org/index.php/organization/downloads>.

The declarations from the colleagues are simultaneously stored electronically and printed by the IMEKO Secretariat.

🔔 Actions were taken by Elsevier Ltd. and IMEKO to meet the new EU GDPR law – **the relevant Data Protection Addendum to the previous Journal Sponsorship Agreement concluded in 2009 was signed in 2018** by the President.

🔔 **The Statement of GDPR** for the e-journal of the Confederation, Acta IMEKO **www.acta.imeko.org** is also available.

🔔 **IMEKO XXII World Congress 2018 (www.imeko2018.org)** was held in **Belfast, Northern Ireland, UK, from September 3 – 6 2018** and it very successfully came to an end in September 2018 with **581 participants** from different countries, with several events. It had **five plenary sessions** with invited notable key-note speakers including **two Nobel Prize Laureates, Prof William D Phillips (Physics 1997) and Prof Klaus von Klitzing (Physics 1985)** as well as other great scientists as **the Representative of our US Member Organization was Dr James K Olthoff, the Director of the Physical Measurement Laboratory (U.S. NIST)**. The Congress also had **465 presentations** as well as a huge number of TC Sessions and Board Meetings and exciting technical programs and social events. **A big exhibition area with 21 significant UK industries** showing their scientific achievements was also visited by the attendees **in the congress venue, the Belfast Waterfront Conference & Exhibition Centre**.

We express many thanks to the effective and great work done by **the Institute of Measurement & Control (Inst MC), the host UK Member Organization of IMEKO and UK's National Metrology Institute, the National Physical Laboratory (NPL)**, supported by an enthusiastic and committed Congress Organizing Team from a professional service provider - **MCI UK**.



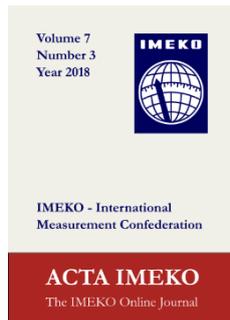
🔔 **The IOPP JPCS IMEKO edition {Publications for IMEKO XXII World Congress (WC) 2018}** is now live and published online. **The WC Conference Volume link** can be accessed at **<http://iopscience.iop.org/volume/1742-6596/1065>**.

🔔 **The publication policy of IMEKO** aims to disseminate the best scientific output of our Technical Committees' events and Congresses with indexing of all our publications in SCOPUS and other science citation databases to increase the high-quality standards of their papers and the reputation of the Confederation through **the Journal MEASUREMENT and the e-Journal Acta IMEKO**.

As for both MEASUREMENT and Acta IMEKO, the Editorial (Publication) Boards (EPB) were revamped starting from the year 2018.

For the EPB membership of Acta IMEKO, all TC Chairpersons are invited to join in stabilizing the process of publishing proceedings in the e-journal which is an open access one with reviewing papers.

Four issues of **Acta IMEKO** are expected to be published in 2018 (the last one, 2018 Vol. 7.4 will be published in December).



🔔 The IMEKO Distinguished Service Awards (DSA) were awarded to **Prof Pasquale Daponte**, former Chair of the Advisory Board, Immediate Past President, and to **Prof Emeritus Christian Eugène**, former Representative of our Member Organization in Belgium, Belgian Measurement Confederation (BEMEKO) at the Closing Session of the IMEKO XXII WC.

Our heartfelt congratulations to them!

🔔 The laureates of the György Striker Junior Paper Award (GYSJPA) donated by the former founding Secretary-General of IMEKO, Prof György Striker and his wife, Barbara, were **Dr Bo Gao** from the Chinese Academy of Sciences, Beijing, China, for her poster entitled “Progress towards single pressure refractive index gas thermometry of He4 from 5K to 25K” as well as **Gisa Foyer and Holger Kahmann** from the German PTB for their paper entitled "A finite element analysis of effects on force lever systems under nacelle test bench conditions". This was announced at the Gala Dinner preceding the Closing Session of the IMEKO XXII WC.

Our heartfelt congratulations to them!

🔔 The next IMEKO XXIII World Congress 2021 (www.imeko2021.org) will be organized in Yokohama, Japan, from August 30 to September 3 2021 to be hosted by the Society of Instrument and Control Engineers (SICE), the Japanese Member Organization of

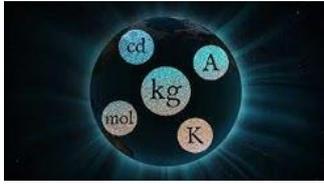
IMEKO. Our Japanese colleagues will prepare this large-scale event with rich programs (Keynote Speech Lectures on Advanced Topics, Plenary Sessions and several Technical Sessions {Oral, Poster, Visual and Interactive}, Exhibition and Technical Visits to reputable institutions engaged in high-tech projects and great social events). They will be working in good cooperation with significant Japanese metrology organizations and associations and will receive support from other authorities as well. **The site of the venue, Pacifico Yokohama,** is one of the largest convention complexes in the world.



🔒 In a landmark decision, **representatives from 54 of the BIPM's Member States came together and voted in Paris (Versailles) on November 16 2018 on the redefinition of the International System of Units (SI),** changing the world's definition of the kilogram, the ampere, the kelvin and the mole. **(These changes will come into force on May 20 2019.)**

The decision means that **all SI units will be defined in terms of constants** that describe the natural world. **This will assure the future stability of the SI** and open up opportunities for the use of new technologies, including quantum technologies, to implement the definitions. **The new definitions impact four of the seven base units of the SI: the kilogram, the ampere, the kelvin and the mole,** and all units derived from them, such as **the volt, ohm and joule.** The kilogram will be defined by the Planck constant (h); the ampere will be defined by the elementary electrical charge (e); the kelvin will be defined by the Boltzmann constant (k); and the mole will be defined by the Avogadro constant (N_A). Although the size of these units will not change, the four redefined units will join the second, the metre and the candela to ensure that the set of SI base units will continue to be both stable and useful. The revised SI will maintain its relevance by

facilitating technical innovations and will have wide-reaching impact on science, technology, trade, health and the environment, among many other sectors.



🔔 **Special topic** “Sensor and Measuring Technology for Process Automation” of the **SENSOR+TEST 2019**, the leading International Measurement Fair from June 25 to 27 2019 at the Nuremberg Exhibition Centre will again offer suppliers and users the opportunity to participate in the innovation dialog on new solutions and concepts in sensor and measuring technology in the industrial internet - based on the two most measured parameters, pressure and temperature, the diversity in process sensor and measuring technology has been the core of the **SENSOR+TEST** trade fair since its inception.

<https://www.sensor-test.de/welcome-to-the-measurement-fair-sensor-test-2019>



🔔 **AMA Innovation Award 2019**

On the occasion of **SENSOR+TEST 2019**, the **AMA Innovation Award** will be presented for the nineteenth time.

This award, bestowed every year by the **AMA Verband für Sensorik und Messtechnik e.V.** (**AMA Association for Sensors and Measurement**), is among the most coveted prizes in sensor and measuring technology.

The main criteria for the jury, comprising representatives of universities, research facilities and enterprises, is the degree of innovation and high usability.



<https://www.ama-sensorik.de/en/science/ama-innovation-award/>

🔔 The site and the dates of the next IMEKO (annual) 62nd General Council (GC) Session and the related (AB, TB and EB) Meetings:

- ❖ Advisory Board (AB) Meeting:
Friday morning, September 5 2019 (Berlin, Germany)
- ❖ 62nd GC Session merged with Technical Board (TB) and Editorial Board (EB) Meetings:
Friday afternoon, September 5 2019 and Saturday, September 6 2019 (Berlin, Germany)



🔔 Master Class on implementation of ISO/IEC 17025

Second Master Class “From theory to practice” on finding cost-effective ways for the transition into ISO/IEC 17025:2017 will take place in Brussels (Conference Venue of the Free University of Brussels, Vrije Universitet Brussel - VUB) on December 5–7 2018 and will be jointly organized by Vrije Universitet Brussel, AiM Consulting Company and Croatian Metrology Society (Croatian Member Organization of IMEKO).

The focus of this three-day event (an interactive course with a problem-based learning approach) will be the practical application of the new standard.



Further information at EUROLAB website <http://www.eurolab.org/>



It is our pleasure to keep you informed of the latest news concerning the Confederation and other relevant information. Please follow our website <https://www.imeko.org> as well.

Given the upcoming year-end holiday season, **let us wish you and your families and colleagues as well as friends A MERRY CHRISTMAS and A HAPPY NEW YEAR 2019.**



IMEKO Secretariat

