

DEAR FRIENDS, DEAR COLLEAGUES,

Nothing has stopped for a minute in IMEKO since the successful World Congress 2024! Besides preparing for the next one in RIMINI Italy 2027, new Technical Committee events are under organization. The IMEKO Measurement Journals form the backbone of the next Elsevier conference in 2025. Meet Prof. Luca De Vito, the new Co-Editor-in-Chief of the Measurement Sensors Journal. Sartorius introduces the story of their 150 years of success from the industrial contacts. Awards given away at the World Congress are listed in this issue. Finally, IMEKO bid farewell to Mr Torben Rask Licht, who recently passed away.

NEWS FROM RECENT IMEKO WORKSHOP - MEETINGS



A Workshop on new community investment plans was held for the Technical Board on the 5th of November. The survey conducted in the summer formed the basis for the discussions. As a result of this Workshop, groups were formed to concretize and turn these ideas into workable proposals for the benefit of IMEKO in the following areas:

Education

This includes seminars by scientific leaders, summer seminars for postgraduates, workshops, mini-conferences, and more. Members: Prof. Elisabeth Costa Monteiro, Dr Jakub Svatos, and Dr Jay Hendriks.

Grants

One-year grant for researchers, annual prizes, travel grants.

Acta IMEKO

Editorial questions, layout development, editorial tools, tutoring videos and much more.

Members: Dr Alistar Forbes, Dr Zsolt Viharos, and Prof. Francesco Lamonaca.

IMEKO General

Aid for the Secretariat in several areas, including the IMEKO-wide info-sharing system and support system for technical activities.

Members: Mr Zoltan Zelenka, Dr Sascha Eichstadt, Dr Zsolt Viharos, Dr Alistar Forbes, Prof. Elisabeth Costa Monteiro and Dr Joao Alves e Sousa.

Event participation

Support conferences locally, Technical Committee Officers support, event support, and world congress participation support.

Members: Dr Jay Hendriks, Dr Zsolt Viharos, Prof. Dan Kytir, and Dr Joao Alves e Sousa.

Early Career and Diversity

Support women at scientific events, financial support, female keynote speakers, and early career researchers support.

Members: Ms Barbara Goldstein, Prof. Elisabeth Costa Monteiro, and Mr Luca Callegaro.

The groups still welcome members; please get in touch with the Secretariat if you are interested! The deadline for the proposals is the 20th of December.

NEWS FROM RECENT IMEKO WORKSHOP - MEETINGS



Meetings

TC19, "Environmental Measurements",

had a reforming meeting on the 29th of October. The members chose new leadership and discussed future opportunities. TC19 recently received several offers for collaboration with other organizations.

The Advisory Board

met on the 6th of November under the leadership of the new Advisory President, Prof. Frank Härtig. The main subject of the meeting was the upcoming election of the future IMEKO President-Elect. Another important topic was the IMEKO Strategy at this meeting.

The Presidential Board

will meet on the 22nd of November, again; the previous meeting was on the 5th of October.

Issues of discussion were

- The possible collaborations with other organizations.
- The revitalization of TC19.
- Investment plans and the first steps of this new project were carried out by the recent TB workshop.
- The upcoming Elsevier conference MeSSAC, organized with IMEKO.

The confederation participates in the BIPM-organized Forum on Metrology and Digitalization on the 20th of, February Thursday, and the 21st of, February Friday, 2025.

IMEKO Member Organization delegates

will hold a workshop on the 14th of January 2025 to meet and interview the candidates for the presidency.

IMEKO will participate

in the poster call organized by BIPM to celebrate the 150th anniversary of the meter convention. The metrology challenge should be in one of the 9 topics listed here:

1. SI units and fundamental Metrology,
2. The Environment and Climate Change
3. Health and Life Sciences
4. Safe Food and Water
5. Energy
6. Industry and Advanced Manufacturing
7. Digital transformation, Artificial Intelligence, and Systems Metrology
8. Metrology for Quantum Technologies
9. New opportunities for Metrology

The deadline for abstract submission is the 15th of December, 2024!

„Posters will need to describe a measurement and metrology challenge in the topic area, covering the expected impact and describing either recent progress achieved and the future evolution of the work and/or identifying new needs in Metrology and how these could be addressed. Posters that meet these criteria will be displayed as electronic posters and publicly visible on the [BIPM anniversary website](#).”

SARTORIUS - MORE THAN 150 YEARS OF INNOVATION IN MASS METROLOGY

SARTORIUS

Founded in 1870 by Florenz Sartorius in Göttingen, Germany, Sartorius AG began with introducing the first short-beam analytical balance. Utilizing a new, lightweight, mechanically robust material, Sartorius laid the foundation for innovation in precision weighing technology.

Building on this legacy, Sartorius achieved another milestone in 1971 with the invention of the first electronic balance. This pivotal advancement set the stage for the future of laboratory precision and ease of use.

In 1995, the company launched one of the world's first monolithic weighing systems. This first-of-its-kind technology delivered unprecedented precision and accuracy while enhancing longevity in laboratory balances.

Throughout the 20th century, Sartorius expanded its portfolio beyond balances to include a range of laboratory instruments and equipment.

Recognizing the increasing importance of biopharmaceuticals, the company strategically shifted its focus to advanced laboratory technologies. In the 1990s and 2000s, Sartorius experienced substantial growth through a combination of organic expansion and strategic acquisitions in the biotech and pharmaceutical sectors, further strengthening its expertise in bioprocessing and analytical solutions.

As the company rapidly expanded, it continued to be a key innovator in the field of laboratory balances and mass comparators, delivering cutting-edge solutions, such as the modern table-top robotic comparators—CCR6.7-C, CCR10.7-C, and CCR10.6-C—designed to enable fully automated mass comparison for weights ranging from 1 mg to 10 g under E1 conditions. These comparators feature unique dual robotic arm technology, ensuring the most efficient motion sequences on the market while minimizing operator influence on measurement results.

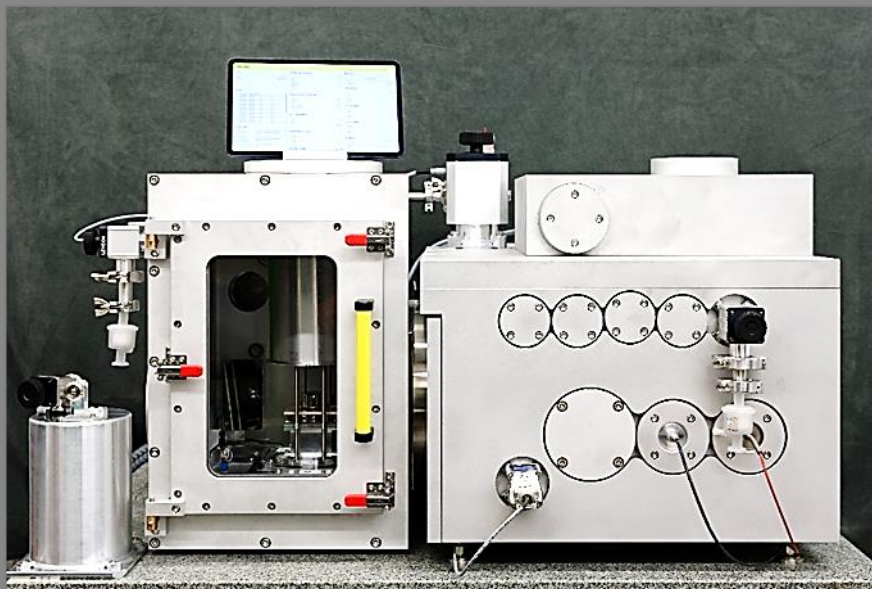


www.sartorius.com



Sartorius' innovation extends to the AMC family of automated mass comparators, which offer greater control and higher capacity. These instruments support up to 16 positions and can execute measurement protocols with minimal user interaction.

One of the most advanced solutions is the VMC1007 automated vacuum mass comparator. This high-performance compact instrument enables precise mass comparison measurements under vacuum.



Given the responsibility as a leader in innovative weighing technology, it was always a matter of course for Sartorius to participate in various committees in order to offer customers the best possible solutions.

At CECIP, the European Association of Weighing Instruments, Sartorius employees have been filling relevant positions since its inception and, in this role, are actively involved in the harmonization and digitalization of legal metrology topics in committees such as OIML and WELMEC.

Furthermore, Sartorius employees are also regularly active in driving innovation outside of legal Metrology in corresponding committees such as national and international standardization committees, as well as committees for the definition of digital certificates, the creation of calibration guidelines, or for the definition of metrological requirements for balances in certain industries (e.g. Pharmacopeias).

Written by Dr Lars Wallbaum, Product Manager Premium Weighing Solutions and Dr Julian Haller, Scientist | Engineer Metrology.

INTRODUCING PROFESSOR LUCA DE VITO

As you may know, Measurement Sensors is a companion Journal of IMEKO's Measurement Journal, which was introduced to offer an open-access publication venue for papers featuring recent developments in the field of sensors, sensor systems, and sensor applications.



Prof Luca De Vito has been recently promoted to Co-Editor-in-Chief of the Measurement: Sensors Journal, supporting Prof. Ken Grattan in this role.

Congratulations to Prof. Luca De Vito! On this occasion, he tells a couple of words about himself.

"Dear Colleagues,

I'm an Associate Professor of Electronic Measurements at the University of Sannio, Italy.

After my graduation in Information Engineering in Dec. 2001, I joined the Laboratory of Measurement and Signal Processing of the University of Sannio as a PhD student while collaborating with a company in the field of the development and testing of telecommunication equipment.

I achieved my PhD in July 2005 in Information Engineering, which was followed by about three years in the company I was collaborating with during my PhD as a Software Developer.

I returned to the University in March 2008 as an Assistant Professor in the Department of Engineering, and after receiving the national qualification of full professor in 2018, I became an Associate Professor in the same Department in January 2020.

Since the years of my PhD, my research interests have been mainly in the design and testing of data acquisition systems, biomedical instrumentation and equipment for the characterization of telecommunication systems. I have been attracted by the practical activity of the Engineering lab and by dealing with actual signals and real-time instrumentation.

My involvement in IMEKO is as a member of the Technical Committee 4 "Measurement of Electrical Quantities".

Also, I am active as a Senior Member of the Institute of Electrical and Electronic Engineers (IEEE) and as a member of the Administrative Committee of the IEEE Instrumentation and Measurement Committee for the term 2022-2025.

Part of the Armed Forces Communication and Electronics Association (AFCEA) and Vice-Chair of the AFCEA Naples Chapter.

Finally, my experience in editorial work came from my service as Editor for Measurement starting in 2018 and for Measurement: Sensors since its introduction in 2019. I also served as Chair of the Early Career Advisory Board (ECAB) selection panel for Measurement and Measurement: Sensors.

In these years, there were a lot of opportunities to learn about paper review management, inspired by the idea of supporting and advising the authors with the aim of improving the quality of the submitted research and maximizing the impact for the authors and the readers.

I look forward to serving with the same spirit in the new role of Measurement-Sensors Co-Editor-In-Chief.

Written by Prof. Luca De Vito

DIGITALIZATION AS AN ENABLER FOR A GLOBAL METROLOGY INFRASTRUCTURE



The XXIV IMEKO World Congress 2024 in Hamburg, Germany, clearly showed the great interest and the many developments in digitalization within the metrology community worldwide. Contributions to the World Congress introduced digital technologies for more efficient and effective measurements and data analysis, metrological principles for digital technologies and data structures, and the complexity of transforming the quality infrastructure to a digital ecosystem.

In his keynote, Prof. Joachim Ullrich emphasized the challenges of the increasingly interconnected systems for Metrology. This was further detailed throughout the Congress by presentations on sensor network metrology use cases. A sensor network as a "system of system" poses several novel questions for metrologists - starting with the seemingly simple question of "What is the measurand?". Especially, the joint session of TC6 and TC21 brought to the attention of the audience the latest research and developments on sensor network metrology.

The presentations went from the European Research Project "Fundamental principles of sensor network metrology" with the nice short title "FunSNM", detailed end-user case studies, to practical considerations when

tackling automation in sensor networks to deal with the enormous amount of data and information. The contribution to systems metrology in future cities made clear that the application of sensor network metrology is much more than data analysis and measurement. It also requires considering the integration of data sources and infrastructures, which are usually not yet considered in Metrology. Moreover, achieving the actual aims of future cities as places of sustainability and participation requires placing humans in the focus. Therefore, the perception of measurement results, data quality and units of measurement by people of different backgrounds needs to be addressed.

Different perspectives on digitalization and Metrology were also provided in the Workshop on the first day of the Congress. This Workshop started with insights from the American regional metrology organization (SIM) and the European (EURAMET). Both were the first to establish a dedicated working group on digital transformation. They reported about their experiences and the latest developments. One essential conclusion was that digital transformation is a long journey with targets that must be adapted continuously. While five years ago the focus was on Industry 4.0, Big Data and Digital Twins, we are now talking more about semantics, data spaces and artificial intelligence. This challenges regional metrology organizations and metrology institutes in their strategic planning. Another important conclusion was that the challenges can only be addressed in a joint effort.

Consequently, the project format "Capacity building using regional expertise and knowledge" (CABUREK) brings together projects from all over the world to share expertise, experience and ideas.

The insights and project details from the running and previous CABUREKs clearly showed the potential of this approach. Moreover, the general idea behind CABUREK is very close to the mission of IMEKO: sharing knowledge and pursuing joint efforts and projects in a collaborative environment.

Usually, developments in digitalization are difficult to visualize and materialize due to their very nature of being digital, i.e. virtual. Nevertheless, the Digitalisation Workshop at the Congress provided several hands-on demonstrators and pilots illustrating recent achievements from energy-efficient high-performance computing to blockchain-based distributed solutions for the digital quality infrastructure of the future. About 200 attendees of the Workshop experienced these demonstrators and discussed them with their creators.

An essential element of metrological services is the provision of calibration results in terms of reports and certificates. This importance was also tangible at the Congress with a dedicated workshop on digital calibration certificates (DCC), two technical sessions, and many discussions and ideas. IMEKO is the place to share recent scientific achievements. For the international DCC development, this is an important aspect to support harmonization and standardization efforts. Speakers presented semantic analyses of the DCC XML schema, technical solutions for working with DCCs, and the relation of DCC to other digital quality documents, such as those in conformity assessment.

Semantics, from vocabulary to ontologies, play an important role in achieving actual interoperability in digital quality documents. Therefore, the developments of semantics in Metrology underpin the progress towards a FAIR metrology infrastructure, i.e. with information and data being findable, accessible, interoperable and reusable.

A dedicated session on semantics in Metrology shed light on the many challenges and state-of-the-art developments in this field.

This all comes together in end-to-end digital processes and workflows, whether for internal processes or within the wider scientific and quality infrastructure. Therefore, a session on digital workflows and quality infrastructure introduced recent developments in the use of cloud-based digital tools and data space technologies to progress towards a more efficient and effective metrology and quality infrastructure.

In the end, this is the overall aim of digitalization in Metrology: improving our everyday lives, making information available and approachable, reducing barriers, and simplifying complexity through the use of technology.

The World Congress clearly showed the huge variety of topics and the enthusiastic researchers forming the digital future. We will see more of their work and gain more insights into the digital transformation of the scientific and quality infrastructure at the next M4Dconf in September 2025 in Benevento, Italy (and online).

Written by Dr Sascha Eichstädt



Dr Sascha Eichstädt is the leader of the department "Metrology for Digital Transformation" at PTB. He has been involved in and has partly coordinated the digitalization efforts at PTB since 2017, after working as a researcher in data analysis and uncertainty evaluation at the same institute for 9 years. He participates in the EURAMET Working Group "Metrology for Digital Transformation" and chairs the Digitalisation Task Group at OIML and the IMEKO TC6 Digitalization.

EVENTS

TIC TALKS with IMEKO TC11



NEW DATE!

5 November
13:00 CET

Possible Role of Blockchain and Encryption in Digital Transformation

TC11 "Measurement in Testing, Inspection and Certification", held on the 5th of November, the next in the series of their TIC Talks. The topic was "Possible Role of Blockchain and Encryption in Digital Transformation of Metrology", presented by Mr Kruno Miličević IMEKO TC6 Digitalisation member.

It highlighted how blockchain technology can enhance calibration traceability, distributed measurements, and public-key infrastructure by ensuring data integrity, authenticity, and non-repudiation. The European Blockchain Services Infrastructure (EBSI) is discussed in more detail, demonstrating how decentralized ledgers can support Metrology through verifiable credentials and decentralized identifiers (DIDs). The use of homomorphic encryption for secure data analysis and privacy preservation is also emphasized through metrology-relevant use cases like Interlaboratory Comparisons and Proficiency Testing. These technologies collectively promise to revolutionize metrological practices by improving accuracy, security, and efficiency, paving the way for a more reliable and interconnected metrology landscape."

28 November, 1PM CET!

TALKS with IMEKO TC24



LNG - a Milestone toward a New Era

The next IMEKO event is another Talk this time by TC24, "Chemical Measurements", on the 28th of November, at 1PM CET, "LNG a Milestone toward a New Era." Energy diversification and decarbonization are topics greatly emphasized in the media in the last few years, even though sometimes sufficient technical rigour is not used.

Among the various possibilities for their implementation, LNG (Liquefied Natural Gas) and LNG terminals are globally recognized as interesting solutions in many ways. It seems that natural gas should undoubtedly be a transit to the new energy horizon for several reasons. LNG is a relatively new industry branch that, in a short period, has to play a key role in the shift from the old to an entirely new energy policy. Such a complex task opens up many others, thus driving science to new frontiers in many fields. It implies great advances in science and industry and replacing dirty with clean energies. Apart from the fact that this change seems inevitable, is it realistic and even possible? We will present the LNG value chain and its role in the current energy landscape.

To find out more, visit [TC24 Talks](#).

EVENTS

IMEKO CONFERENCE 2025!
METROLOGY AND DIGITAL
TRANSFORMATION
 3 - 5 SEPTEMBER



The IMEKO TC6 "Digitalisation" organizes the 2nd International Conference named "Metrology and Digital Transformation," between the 3rd and 5th of September 2025 in Benevento, Italy.

"M4D 2025" will provide a meeting place in the world of research in Metrology for digital transformation, involving national and international institutions and academia in a discussion on state-of-the-art issues that require a joint approach by experts in Metrology, measurement and instrumentation, industrial testing, typically professional engineers, and experts in innovation metrology.

Attention is paid to, but not limited to, digital transformation in metrological traceability, pathways to digital transformation, sensor network metrology, digital transformation in legal Metrology, digitalization and the SI, digital infrastructures and technologies, and many more.

The program is designed to attract the interest of a broad group of researchers, operators, and decision-makers in Metrology and digital transformation by presenting the most innovative solutions in these fields from a scientific and technological point of view.

In addition to regular papers, many initiatives and opportunities, such as special sessions, exhibits, tutorials, demos, student contests, journal papers, and others, are planned to enhance your experience with the conference and make M4DConf 2025 a vibrant event for meeting people in instrumentation, measurement, and digital transformation.

Important dates:

Special session proposal: the 31st of January, 2025

Extended abstract submission deadline: the 31st of March, 2025

Acceptance Notification: The 30th of May, 2025

Final paper submission deadline: the 30th of June, 2025

For more info, visit: [M4D2025](https://www.imeko.org/m4d2025)

**Measurement,
 Sensor Systems and
 Applications Conference**



Elsevier's Measurement, Sensor Systems, and Applications Conference [MeSSAC](https://www.elsevier.com/locate/MeSSAC) will take place between the 17th and 20th of August 2025 at Beihang University, Hangzhou, China.

This conference is organized with prominent IMEKO participation.

Conference Chairs are Prof. Paolo Carbone, IMEKO President; Prof. Kenneth Grattan, IMEKO Publication Officer; and local organizer Prof. Yong Yan, Technical Committee 20 "Measurement Energy" Vice Chairperson.

THE NEXT IMEKO WORLD CONGRESS RIMINI ITALY 2027



Rimini is the ideal destination for hosting any event, whether a large congress or a small convention.

It offers the perfect blend of a territory steeped in history, splendid and diverse inland areas, modern accommodation and entertainment facilities, and simple and accessible logistics.

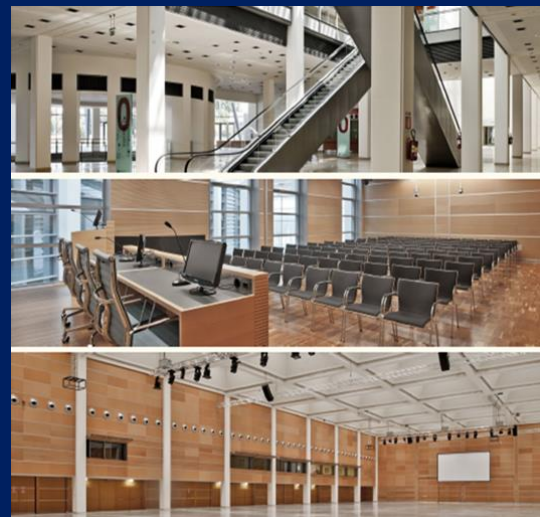
- an historical city centre just a short walk from the Palacongressi and from the beach;
- 15 km of beaches with facilities and a modern marina;
- a surrounding area which abounds with Medieval and Renaissance villages;
- Roman and Renaissance masterpieces;
- an art city, with works ranging from Giotto and Piero della Francesca to Eron (an internationally well-known local street.)

The Congress Venue

Palacongressi of Rimini opened in 2011. It is one of the largest conference centres in Europe; it has a 38,000 m² total area, 11,000 m² exhibition area, 3 main entrances, 39 halls, 1,600 amphitheatre seat capacity, and 4,700 main hall seat capacity.



It is equipped with the latest technology equipment, offering a multitude of design possibilities and naturally providing a multifunction room. It is in the heart of the city, with many hotels within walking distance. It offers high-quality Italian-style furnishings, catering in all areas, and environment-friendly, barrier-free facilities. It was awarded "Bea World Best Location Award 2019".



The motto "Metrology for Humanity" calls us, the entire community of metrologists, researchers, academics and industry experts, to use our ideas, knowledge, talents and compassion on behalf of humanity in all its differences and diversity.

EVENTS OF PARTNERS



“We are excited to invite you to our upcoming webinar [on Guidelines for the Management of Digitalised Systems in Laboratories Accredited to ISO/IEC 17025](#), scheduled on the 27th of November 2024, from 10:00 to 12:00 CET.

This session will explore EUROLAB's new Technical Report, offering insights on managing digitalized processes in ISO/IEC 17025-compliant laboratories.

Webinar Highlights

- Overview of the Digitalisation Working Group's work
- Detailed presentation of the new Technical Report
- Interactive Q&A and roundtable discussion with field experts

You can register for the event here: [Event Registration Page](#)

Registration fee: 70€ (all ticketing fees included).”



IMEKO is invited to the 40th APMP General Assembly and Related Activities (APMP 2024), hosted by the CSIR-National Physical Laboratory India (CSIR-NPLI).

The event will take place in New Delhi, India, from the 22nd to the 29th of November 2024. This year's APMP General Assembly will feature a range of engaging events, including the NMI Directors' Workshop, titled "Hydrogen Technologies for a Sustainable Future". The Workshop aims to explore strategies and underscore the pivotal role of Metrology in advancing hydrogen technologies, contributing to the global transition towards sustainable energy.

In addition to the Workshop, APMP 2024 will offer a variety of technical sessions, stakeholder discussions, and numerous opportunities for knowledge exchange and collaboration within the metrology community.



IMEKO is invited to the GULFMET General Council Assembly on the 20th of November to present and discuss future collaboration opportunities, among other planning jointly organized events.

IMEKO AWARDS AND ACKNOWLEDGEMENTS 2024



(In the picture, Prof. Frank Härtig and Dr Dirk Röske)

Dr Dirk Röske received a present as a special thanks for his longtime and ongoing service to IMEKO as the Information Officer.

He received the Distinguished Service Award in 2015 as a recognition of his service, which he has continued to provide on a very high level ever since. He was and still is a key person in setting up and maintaining the IMEKO webpages, the conference tool system, the IMEKO Technical Committee events and their conference proceedings. Dr Röske is also an essential member of the Acta IMEKO, our online Journal team. Besides all this, he is the Vice Chairperson of TC3 Measurement of Force, Mass, Torque, and Gravity. Dr Röske also participates in several IMEKO Working Groups, such as "IMEKO Publishing" and "IMEKO Technical Committee Events."



(In the picture, Prof. Frank Härtig and Dr André Schäfer)

Hottinger Brüel & Kjaer was awarded for their 45 years of extraordinary contribution to IMEKO as a supporting member.

IMEKO globally represents international Metrology and promotes the advancement of measurement science and technology. Its main forum, the IMEKO World Congress 2024, which took place in Hamburg, Germany, in August, also honoured a partner from industry. The company Hottinger Brüel & Kjaer (HBK) contributed as many as four oral presentations, four scientific papers, and an exciting booth in the accompanying exhibition.

The Award was handed over at the event's closing ceremony.

It can be said that the company, created from the merger of Hottinger Baldwin Messtechnik and Brüel & Kjaer to be one of the largest manufacturers of measurement technology, has never forgotten its roots, which lie in reference technology and metrological applications.

The honour was presented by Prof. Frank Härtig, President of IMEKO and Vice President of the German Metrology Institute, the Physikalisch-Technische Bundesanstalt (PTB). In his acceptance speech, Dr André Schäfer, HBK - actively contributing in his HBK metrology role to IMEKO for 28 years - highlighted how industrial partners benefit from the reliable, ambitious and far-sighted work of the metrology institutes and its networks. It is indeed this close cooperation between metrology institutes and industry that paves the way for many innovations that can later become enormously important in everyone's life.

Written by Dr Andre Schäfer HBK

DISTINGUISHED SERVICE AWARD, JUNIOR PAPER AWARD

The Distinguished Service Award, as traditional, was given during the closing ceremony of the World Congress for valuable contributions and years of dedicated service to IMEKO.



(In the picture, Prof. Frank Härtig and Prof. Masatoshi Ishikawa)

Prof. Masatoshi Ishikawa received the Award for his nine years of service in the various stages of the IMEKO Presidency.



(In the picture, Prof. Frank Hartig and Dr Rolf Kumme)

Dr Rolf Kumme was given for his longtime commitment and service in TC3, Measurement of Force, Mass, Torque, and Gravity, and as a World Congress organizing team 2024 member.

Dr Franco Pavese, Chairperson of TC21, Mathematical Tools for Measurements, for his service to IMEKO and TC21.

The Junior Paper Award

The Award winner is Mr Luke Smith, whose work is "A Ray Deflection Model for the Transit Time Difference in Ultrasonic Flowmeters Applied to Non-ideal Flow Profiles."

Mr Luke Smith's brief introduction about himself:

"I'm a PhD student in the University of Warwick's Physics Department working on ultrasonic clamp-on flow measurement. My core research interest is understanding the ultrasonic behaviour in these flow meters through the use of computational models and building flow meters for novel applications based on this understanding."



(In the picture, Prof. Frank Hartig and Mr Luke Smith)

I work at both ends of the TRL scale, doing some work with the industry on commercial flowmeter development and some more foundational research on ultrasonic behaviour. My day-to-day work is around 50% programming and 50% experimental work, and I really enjoy both elements. I found out about the IMEKO World Congress this year because it is jointly with the FLOMEKO conference. This is one of very few international flow measurement conferences, so I was eager to see what work was presented there."

PROFESSOR TILO PFEIFER AWARD

About the "Professor Tilo Pfeifer award"

A personal view by Zoltan Zelenka



Prof. Tilo Pfeifer is well known in IMEKO and one of our most outstanding personalities in the community.

(To read more about Prof Tilo Pfeifer: [Newsletter February 2022](#))

I will also mention Dr György Striker, who, as Prof. Pfeifer said, "was an amazing person." His leadership as the founder of IMEKO and its first President and Secretary-General significantly influenced our community.

Prof. Pfeifer continued, "We met several times a year, and I have learned a lot from him, such as handling events and organizing conferences and congresses."

The second memorable Secretary-General was Prof. Tamás Kemény, who was mentored by Dr György Striker himself for this position.

I have similar experiences with Prof. Pfeifer. Even though he was not an officer of IMEKO at that time, he tutored me when I became Secretary-General (SG). He advised me on the most vital issues to focus on and emphasized the significance of the SG's role. He helped tremendously with the IMEKO strategy. Prof. Pfeifer often told us to do better. He contributed greatly to the IMEKO 2013 Strategy, and we worked together in a larger, dedicated group.

Now, I am starting my new term as Secretary-General, and after twelve years of office, let me use one sentence to characterize IMEKO.

IMEKO is a strange institution because it is small, with a single-person Secretariat, but also vast, with 25 TCs and hundreds of actively contributing experts.

IMEKO's highest, long-established Award is the Distinguished Service Award. The Professor Tilo Pfeifer Award was created recently to honour Prof. Pfeifer, who dedicated over 50 years of service and significantly contributed to IMEKO and its community.

I am greatly honoured to receive this Award.

But as the proverb says, " Behind every successful man, there is a woman."

In my case, this is Kristine. She officially started at IMEKO only some years ago. Yet, she has been helping me much longer, even before I became the SG more than 12 years ago. She started at IMEKO at the invitation of Prof. Frank Härtig, who was the President-Elect at that time. During the COVID, she became the Secretary of IMEKO (and the Technical Board).

We have spent hundreds (or thousands) of hours improving the Secretariat, and we know there is still so much to do. As she received the Prof. Pfeifer Award, I would quote her reaction: "I will do my best to deserve it!"

This is similar to the sentence echoed several times on the stage at the IMEKO gala dinner. Someone was asked what the daily instructions were at the job. The answer was easy: "Just do your best!"

We believe, so it shall be!

With these thoughts, I thank you for supporting the Secretariat and wish for many more successful years of collaboration serving the IMEKO community.

FAREWELL TO TORBEN RASK LICHT



We recently received the sad news that our colleague and friend Torben Rask Licht passed away on the 1st of November, 2024.

Torben was the Danish expert in vibration metrology and an internationally recognized figure in that field for decades and still remained active after formally retiring in 2017.

Since joining the well-known company "Brüel & Kjaer" on the 21st of February, 1968, after completing his studies in solid state physics and electrical engineering at DTU, he was tightly linked to the development and, scientific progress and dissemination of this field.

He devoted himself to all facets of this subject, from the development of laser-interferometric primary calibration methods to the various comparison methods and specific application scenarios in the industry. He dealt intensively with the necessary techniques of data acquisition and analysis and improved them wherever possible. Torben even developed his own sensor designs to improve the metrological possibilities.

He earned his great international recognition not only through his technical achievements but also through his attitude and eagerness to share his knowledge and experience with others. On his countless trips around the globe or at meetings in his hometown, he provided information by training users, but also through his tireless and productive work in the metrological community as a member of ISO/TC 108, as a delegate to EURAMET/TC-AUV (even in the days of EUROMET) or the CCAUV at the BIPM in Paris and many other opportunities.

From its foundation in 1991 until his retirement, he was also the head of the Danish Primary Laboratory of Acoustics (DPLA), a Danish-designated institute established at "Brüel & Kjaer" through the Danish Safety Technology Authority.

With the personal enthusiasm for his specialist field, it was no wonder that he also wholeheartedly supported the founding of TC 22 "Vibration Measurement" at IMEKO in 2005, from the very first plans. Torben was a founding member of the TC and a reliable support right up to the World Congress in Hamburg at the end of August 2024, where many of us saw him for the last time.

At that opportunity, we were still discussing long-term plans, including his contributions to new standards within ISO and future research projects.

It is with sadness and grateful memories that we bid farewell to our friend, colleague and highly esteemed expert, Torben Rask Licht.

Written by Th. Bruns and J. H. Winther for the colleagues of IMEKO and its TC 22.