

DEAR FRIENDS, DEAR COLLEAGUES,

IMEKO has just wrapped up its successful Technical Board and General Council Sessions in Prague, Czechia. This newsletter provides a summary of the discussions and achievements from those sessions. Additionally, it includes details about the forthcoming IMEKO World Congress in Rimini in 2027. The selected location for the World Congress 2030 is also revealed: Krakow, Poland! Along with updates from this year's annual meeting, a session was conducted for our partners. The "IMEKO Goes to Young Scientist" series, Ms. Gertrude Nthongo, from Kenya, is introduced in this issue. Meet the European Weighing Association CECIP, and learn about the recent MeSSAC conference, which Elsevier, the IMEKO 'Journals' publisher, organised recently in Hangzhou, China, with a prominent IMEKO presence. IMEKO bids farewell to Professor Olli Aumala and Professor Mladen Borsic..

GENERAL COUNCIL SESSIONS, PRAGUE, CZECHIA



The General Council Sessions, which saw a high level of attendance, were held on 30-31 August at the Institute of Theoretical and Applied Mechanics, ITAM, in Prague, Czechia. Delegates from IMEKO Member Organisations, Officers, special guests and Chairpersons of Technical Committees participated in the comprehensive two-day program. The first day commenced with a workshop for the Technical Committee, followed by a session of the Board. The Chairperson of the Board, Ms Barbara Goldstein, led the morning discussions as well as the customary Board meeting. The Workshop provided insights into the Committee's activities and served as a platform for exchanging ideas related to organising conferences, particularly with the upcoming IMEKO World Congress in mind.

The afternoon Technical Board meeting started with the impressive reports of TC6 Digitalisation, TC8 Traceability in Metrology, and TC13 Measurements in Biology and Medicine.

Next, the Advisory President, Prof. Frank Härtig, presented the JSI Hub (Joint Signatory Intent), which is part of an ongoing initiative by CIPM and FORUM MD to develop and implement a globally uniform and secure data exchange format based on the SI. This initiative incorporates machine-actionable vocabularies, SMART standards, GUM in the digital context, FAIR principles, a point as a separator, and an SI reference point. Currently, the leadership of the JSI Hub falls to the IMEKO Advisory President. Prof. Härtig highlighted the significance of this initiative within IMEKO and encouraged TC Chairpersons to work together with TC6, which focuses on Digitalisation.

Dr. Leonard Klaus presented the Information Officer's report, which included detailed statistics from the database, showing 624 events, 1,256 contacts, and 9,983 proceedings, with 836 of those having a DOI. He also explained an update on the conference system, which recorded 14 events, 1,537 users, and 144 submissions (2025).

GENERAL COUNCIL SESSIONS, PRAGUE, CZECHIA



The Publication Officer's report regarding Elsevier's Journals and Acta IMEKO, the online journal of IMEKO, was presented by Prof. Kenneth Grattan, covering all the Journals. These publications uphold their quality and impact, while securing a steady revenue stream. The latest addition to this collection is titled "Digitalization," and there are plans for another Journal, Quantum, set to launch in 2026.

GENERAL COUNCIL SESSION



The invited partner organisations of IMEKO opened the session by sharing their latest advancements and upcoming projects.

- EUROLAB: Ms Laura Martin
- Asia Pacific Metrology Programme, APMP: Dr. Woong Kang
- European Association of National Metrology Institutes, EURAMET: Ms Maguelonne Chambon

- Sistema Interamericano de Metrología, SIM: Ms Claudia Santos

- Dr. Paul Grillberger, Confederation of European Environmental Engineering Societies, CEEES

Prof. Seung-Yoon Oh from the University of Science & Technology in Korea, which is a Graduate University of Government Research Institutes, presented UST to the General Council.

The President of IMEKO, Prof. Paolo Carbone, guided the day's proceedings and provided an update on the activities of the Presidential Board. The Board convened for ten meetings during the past year, engaging in productive discussions and making decisions aimed at the future. Some of these were:

- Actively supporting the creation of the new TC26 Metrology for Cultural Heritage,
- The renewal of TC19 Environmental Measurements,
- Sponsorship of the Elsevier Conference MeSSAC (Hangzhou, 2025),
- Elaborating a plan to implement the Strategy,
- Initiating the IMEKO Website Revamping Project and the IMEKO Governance Project.

The Secretary-General, Mr. Zoltan Zelenka, followed with a report on the highlights of the Secretariat's activities.

A total of 62 meetings were organized, supported, or conducted by the Secretariat, up to June 2025. IMEKO has obtained non-profit status, transitioned to imeko.org for email communication, and also shifted the IMEKO domain, which opened up new possibilities for the organization and modernized data management.

GENERAL COUNCIL SESSIONS, PRAGUE, CZECHIA



IMEKO welcomed the Kosovo Metrology Agency (KMA) among its Member Organisations.

Prof. Sefer Avdiaj emphasized in his presentation the advantages that KMA would offer to IMEKO: a well-established metrology infrastructure and service offerings, a new generation of metrologists eager to contribute, a promise to organise workshops, conferences, and training sessions, dedication to engaging in IMEKO Technical Committees, and a connection for regional collaboration in the Balkans.



In the picture are the key persons of the next IMEKO World Congress, Rimini, Italy, 2027: from left to right, Prof. Paolo Carbone and Prof. Pasquale Daponte.

Prof. Paolo Carbone, the President of IMEKO, is the Chairperson of the International Program Committee of the World Congress Rimini. Prof Pasquale Daponte is the Vice President in charge of this World Congress and the Organising Committee Chairperson.

The preliminary congress timetable, akin to that of Hamburg 2024, has already been established. The booking of venues and the formation of the Organising Committee are progressing well.



The Team responsible for the World Congress Rimini is making great strides with the publication schedule; indeed, the organization of the review process is already in place. The IMEKO Technical Committees' presence will be vital in the International Program Committee. Invitations have been dispatched to the TC Chairpersons, and the Team anticipates collaborating closely to ensure the success of this event.

Dates, timings, and the congress agenda are currently being finalised, along with social activities and the traditional IMEKO program for accompanying persons. The event will offer an excellent opportunity to explore Rimini and its surroundings, which are rich in history, while balancing these excursions with leisurely strolls on the city's stunning beaches.

A NEW COMMITTEE AND ITS MEMBERS

The Development Committee, under the leadership of Prof. Elisabeth Costa Monteiro, had enthusiastic volunteers, assigned temporarily; a decision that the General Council has now prolonged. Their names are: Dr. Sascha Eichstädt,

Dr. Zsolt Viharos, Prof. Daniel Kytyr, Dr. Zsolt Viharos, Prof. Daniel Kytyr, Dr. Jakub Svatos, Prof. Alistar Forbes, and a new member, Prof. Marija Cundeve Blajer. The Secretary-General and the Treasurer are ex officio members of the Committee.

NEW MEMBERS AND OFFICERS OF THE TECHNICAL COMMITTEES



MEMBERS

TC2:

- Beatrice Rodiek, Germany

TC4:

- Marija Cundeve Blajer, North Macedonia

TC9:

- Karl Jousten, Germany

TC10:

- Gustavo Coelho, Portugal

TC15:

- Nina Čeh, Croatia
- Emina Hadzalic, Croatia

TC20:

- Sushil Kumar, India
- Amarja Naik, India
- Madlen Chao, Germany
- Valerie Vitzthum, France
- Shibu Clement, India
- Jeerasak Pitakarnnop, Thailand
- Anjani Nagvenkar, India

TC20:

- Edgar C. Fernandes, Portugal
- Saroj Baral, India
- Shiv Kumar Jaiswal, India
- Jun Deng, China
- Scott Goldsborough, USA
- Nuno Canha, Portugal
- Sabrina Zellmer, Germany

TC21:

- Gertjan Kok, Netherlands

OFFICERS

TC4:

- Chairperson: Jakub Svatos, Czechia
- Scientific Secretary: Carlos Roberto Hall Barbosa, Brazil

TC7:

- Vice Chairperson: Elisabeth Costa Monteiro, Brazil

TC18:

- Scientific Secretary: Andrea d'Avella, Italy
- Vice Chairperson: Nicolas Schweighofer, USA

TC20:

- Chairperson Bo Shu, Germany
- Vice Chair: Pranay P. Morajkar, India

IMEKO extends its best wishes for success to the new Members and Officers!

MEASUREMENT SENSOR SYSTEMS AND APPLICATION CONFERENCE, MeSSAC 2025



(In the picture from left to right: Prof. Kenneth Grattan, Prof. Paolo Carbone and Prof. Yong Yan)

From 17 - 20 August 2025, the successful Measurement, Sensor Systems and Applications Conference (MeSSAC) took place at the International Innovation Institute of Beihang University in Hangzhou, China. The event was collaboratively organized by esteemed experts, including Prof. Kenneth Grattan (the Publication Officer of IMEKO, a Fellow of the Royal Academy of Engineering, City St George's, University of London, UK), Prof. Paolo Carbone (President of the International Measurement Confederation (IMEKO) and Editor-in-Chief of Measurement, University of Perugia, Italy), and Prof. Yong Yan (also a Fellow of the Royal Academy of Engineering at Beihang University), along with Elsevier, IMEKO's publisher. The conference garnered over 230 submissions from educational institutions and research entities spanning more than ten countries, attracting over 200 academics and researchers, highlighting the dynamic and progressive advancements in sensing, measurement, and instrumentation.

The publication forum, led by Dr. Shuang Qiao from Elsevier, was the peak event on the opening day. Prof. Carbone, along with Prof. Kenneth Grattan (Editor-in-Chief of Measurement: Sensors) and Prof. Yong Yan (Editor-in-Chief of Measurement: Energy),

led the forum, providing valuable insights and helpful advice for early-career researchers' professional growth, academic collaboration, and publication pursuits.

Over the course of the three-day conference, 84 oral presentations were made across three parallel sessions, in addition to over 50 poster presentations. These presentations spanned various scientific and industrial fields, including chemistry, food science, physics, engineering, metrology, and sensor technology. Topics of interest included advancements in sensors and measurement for batteries and energy storage devices, as well as biomedical and healthcare monitoring systems. Participants actively engaged in vibrant discussions and shared their most recent research findings during oral and poster sessions. Due to the exceptional quality of the presentations, as rigorously evaluated by the award committee, 23 early-career researchers were honored with prizes for the best oral and poster presentations.

The MeSSAC conference wrapped up with a vibrant academic atmosphere. It effectively established a prestigious platform for international scholars in sensors and measurement, fostering international collaboration and global knowledge exchange, envisioning that the event would have a far-reaching impact on the innovative development of measurement science and technology worldwide.



INTRODUCING THE EUROPEAN WEIGHING ASSOCIATION, CECIP



CECIP and IMEKO: Building Bridges for Innovation in Global Metrology

In today's increasingly complex measurement landscape, breaking down disciplinary silos is essential to advancing metrology. The Comité Européen des Constructeurs d'Instruments de Pesage (CECIP) and the International Measurement Confederation (IMEKO) share a commitment to fostering precision, innovation, and international cooperation across the scientific and legal domains of measurement. Both organizations recognize that transdisciplinary thinking, the integration of empirical reliability, regulatory insight, and industrial application, is key to driving innovation. Knowledge transfer among scientific, applied, and legal metrology enables the translation of advanced research into robust, real-world solutions. This is particularly relevant in weighing applications such as traceable mass calibration, dynamic weighing in logistics, and the integration of smart sensors and software in automated systems, where scientific accuracy must align with legal reliability and compliance.

CECIP actively promotes legal metrology grounded in scientific evidence and effective governance. It advocates for regulatory frameworks that are not only technically valid but also responsive to societal and environmental needs.

Legal reform is essential to progress toward a green and digital future, where regulation plays a formative role in shaping sustainable transitions and enabling innovation. This philosophy is reflected in CECIP's international engagement. The association collaborates closely with the International Organization of Legal Metrology (OIML) on revising key global standards. It contributes actively to WELMEC, participating in working groups that modernize and harmonize legal metrology practices across Europe.

CECIP and IMEKO also converge through the International Conference of Weighing (ICW), where they help shape dialogue between research, regulation, and industry. The upcoming ICW 2026 in Kitakyushu, Japan, will be a pivotal moment for advancing this shared vision, bringing together stakeholders from all continents to explore innovative weighing solutions aligned with sustainability and scientific excellence.

In recognition of their complementary missions, CECIP and IMEKO are currently considering signing a Memorandum of Understanding (MoU). This step would formalize their collaboration and reinforce their joint commitment to bridging scientific excellence with regulatory foresight - strengthening the global metrology community and supporting the development of reliable, sustainable, and future-oriented measurement systems.

Written by the CECIP President of the International Cooperation Group, Daniel Kneubühland and The Secretary General of CECIP, Mr Samuel Schmidt.

INTRODUCING THE EUROPEAN WEIGHING ASSOCIATION, CECIP



Innovative Weighing for Global Sustainability - Join ICW 2026 in Japan!

The International Conference of Weighing (ICW) will take place from 8 - 10 June 2026, in Kitakyushu, Japan, following the successful inaugural event in Hamburg in 2023. Hosted by the Japan Measuring Instruments Federation (JMIF) and organized by two Steering Committees from around the globe, ICW 2026 will bring together the global metrology community to explore the theme: "Innovative Weighing Solutions for a Sustainable World."

This event places sustainability at the center of its agenda, emphasizing the critical role of high-precision measurement in addressing global challenges. From climate monitoring and resource efficiency to responsible production and innovation, the conference will highlight how scientific metrology underpins progress toward key UN Sustainable Development Goals. The program will feature three parallel tracks: Legal, Scientific, and Applied Metrology, with a strong emphasis on the scientific dimension. Researchers and institutions will have the opportunity to present cutting-edge work, exchange methodologies, and engage in interdisciplinary dialogue.

A program highlight will be the keynote lecture by the Nobel Laureate Prof. Dr. Takaaki Kajita, who will speak about "Extreme Measurements and Gravitational Wave Astronomy."

New elements in 2026 include a poster session focused on sustainability, with active participation from students and early-career scientists, and a technical tour on Day 3, offering insights into local innovations and measurement practices.



(In the picture, the Kitakyushu International Conference Center)

The conference will be held at the conveniently located Kitakyushu International Conference Center, near Fukuoka Airport and accessible via Japan's high-speed rail network. Attendees will benefit from exhibitions, poster sessions, and networking opportunities with peers from more than 30 countries across all continents, fostering global collaboration within the metrology community and encouraging knowledge exchange between scientists and practitioners.

Registration opens in October 2025! Travel and accommodation guidance will be provided to support international participants. ICW 2026 offers a unique platform for the metrology community to shape the future of weighing in the service of a more sustainable world.

For more information on this conference, visit: [ICW 2026](#)

IMEKO GOES TO YOUNG SCIENTISTS

Unfolding the Unknown - My Journey

by Getrude Nthongo



Growing up in a humble African family as the youngest of eight children meant that resources were always scarce, especially regarding education. My older siblings had already

stretched my parents' limited finances, leaving little for my academic journey. Yet, education in Kenya has always been seen as the greatest equalizer, the bridge to opportunities otherwise inaccessible. I therefore embraced the challenge with determination.

I went through the 8-4-4 education system, a model that demanded perseverance at every stage—eight years of primary school, four years of secondary school, and four years of university. For children like me, this system was more than an academic structure; it was a test of resilience. Every national examination represented a gateway that determined one's destiny.

As a child, I dreamed of attending a prestigious national high school and one day becoming a pilot. That dream, however, dimmed when my scores after primary school were insufficient to secure admission into a national school. I was disappointed and thought I had lost everything for a moment. Yet, despite their limited means, my parents ensured that I was enrolled in a lower-ranked secondary school, where my true transformation would begin.

Discovering Physics

In my second year of high school, as we were required to select subject combinations, I found myself at a crossroads. Career talks organized by the school introduced us to professionals and lecturers from universities across Kenya. One particular session, led by a lady lecturer, struck me deeply. She spoke passionately about how studying sciences—particularly mathematics and physics—could open doors to international opportunities, research, and rewarding careers. She emphasized that women who pursued sciences had an added advantage in breaking stereotypes and contributing to fields where female representation was scarce.

That talk reshaped my ambitions. I let go of my childhood dream of becoming a pilot and instead embraced physics. At the time, physics had the reputation of being one of the most difficult subjects, and few students dared to take it. Out of a class of 80 students, only 10 of us chose to pursue physics. For me, it was more than a subject—it became a way of thinking, of seeking to understand how the universe works at its most fundamental level.

My fascination grew with every new law and principle I encountered—from Newton's Laws of Motion to the mysteries of electricity and magnetism. I was captivated by the idea that invisible forces and equations could explain tangible realities. Of course, the subject was not easy; I spent long hours practising, questioning, and discussing with peers. Yet, each breakthrough in understanding was exhilarating, and slowly, physics became my anchor.

IMEKO GOES TO YOUNG SCIENTISTS

Higher Education and a Bold Decision

After completing secondary school, I set my sights on university. While I had initially wanted to study Electrical Engineering, fate took me in a different direction. At the Technical University of Kenya (then Kenya Polytechnic University College), I stumbled upon a newly introduced program—Diploma of Technology in Technical and Applied Physics. A poster on a notice board caught my attention, and my curiosity led me to inquire further.

The program promised to blend theory with practical applications of physics in industry and research. Though it was a relatively new and unfamiliar path, something about it resonated with me. I took the bold step of enrolling, a decision that would shape the rest of my career. In 2013, I graduated with a diploma, but I was still unsure how this knowledge would translate into a career.

Stepping into Metrology

During my diploma studies, I had the opportunity to undertake an industrial attachment at the Kenya Bureau of Standards (KEBS). It was here that I was first introduced to metrology—the science of measurement. Until then, I had never fully appreciated how critical accurate measurements were to industry, trade, and safety. From the calibration of weighing instruments to the precision of pressure and temperature devices, I saw how deeply measurement science underpinned daily life.

After graduation, I faced the uncertainty of job hunting. Months went by without success, but my determination did not waver. One morning, I walked directly into

KEBS headquarters, with my documents in hand, fueled only by courage and faith. Though unconventional, my boldness paid off. After a candid discussion with the Human Resources team, I was offered a temporary role as a Metrology Technician. That moment felt like a breakthrough, the beginning of a new chapter.

Establishing a Calibration Laboratory

Soon after joining KEBS, I was entrusted with a major assignment: to establish a Regional Calibration Laboratory in Mount Kenya. The laboratory was to cover three critical areas of Metrology: Mass, Pressure, and Temperature. At first, the responsibility felt overwhelming. Each of these fields demanded precision, technical expertise, and rigorous standards. Even the smallest measurement error could have far-reaching consequences for industries relying on accurate data.

Setting up the laboratory required more than technical skill; it demanded collaboration. I worked closely with teams from Quality Assurance, Market Surveillance, and Levy officers. Together, we conducted outreach visits, met with industries, explained the importance of calibration, and promoted KEBS's services. Building trust with clients was just as crucial as establishing technical capacity.

Over two years, and with continuous support from the headquarters laboratory, the regional facility was fully established. The achievement was more than professional success—it was personal validation that persistence and courage can turn daunting challenges into milestones.

IMEKO GOES TO YOUNG SCIENTISTS

Academic Growth and Professional Progression

KEBS has been instrumental in supporting my professional growth. Balancing full-time work with study, I enrolled for a Bachelor of Technology in Technical and Applied Physics, graduating in 2017.

It was not an easy journey—late nights, weekends of study, and the pressure of responsibilities at work—but the reward was worth it. My degree not only expanded my knowledge but also paved the way for promotion to the position of Senior Metrologist.

Today, I am pursuing a Master of Science in Applied Optics at the Multimedia University of Kenya, with a specialization at the National Institute for Optics and Laser. This new chapter excites me because it extends my passion for physics into cutting-edge areas of optics and photonics, fields that hold transformative potential for technology, healthcare, and industry.

Reflections

Looking back, my journey demonstrates the power of resilience, curiosity, and faith. I have often found myself taking the less-travelled path: from being one of the few girls in my class to study physics, to enrolling in a newly introduced university program, to establishing a regional calibration laboratory early in my career. Each step reinforced my belief that physics is not only about solving equations but about uncovering the hidden principles that shape reality—and using that knowledge to serve Society.

As a woman in Science, Technology, Engineering, and Mathematics (STEM), my story also highlights the importance of representation.

Encouragement at critical stages—from teachers, mentors, and colleagues—made a profound difference in my path. It is my hope that young girls in Africa and beyond will see in my story a reflection of what is possible when passion meets perseverance.

Conclusion

My journey from humble beginnings to becoming a Senior Metrologist is a testament that hard work, persistence, and faith can turn obstacles into stepping stones. It is not by coincidence that I have always chosen the narrow path—whether in academics, career, or research. Each choice has unfolded new opportunities, new discoveries, and new possibilities.

Ultimately, my passion for physics remains as strong as it was in high school. For me, it is not just about solving equations; it is about uncovering the hidden laws that govern reality and applying them in the service of humanity.



In the picture, Gertrude Nthongo is celebrating yet another kind of milestone with family and friends.

FARAWEL TO PROFESSOR OLLI AUMALA



With sorrow, IMEKO announces the passing of Professor Olli Aumala at age 85.

Professor Olli Aumala is fondly remembered as a highly engaged and committed

participant in the IMEKO Community. He held multiple positions, was involved with several Technical Committees and served the community for most of his professional career.

In IMEKO: Finland's Finnish Society of Automation (SAS) and its membership in IMEKO initiated Professor Aumala's involvement with the confederation in 1975. SAS appointed him as a delegate to the IMEKO General Council, where he remained until 1991. From 1988, he was elected a member of the IMEKO Advisory Board.

The decision for the Finnish Society of Automation to pursue IMEKO membership was proposed by Professor Aumala in 1974. Upon his appointment as a professor of measurement technology at Tampere University of Technology, he aimed to develop international connections with peers. During its general meeting, the Finnish Society decided to seek membership and to designate him as their delegate to IMEKO, a role he held for the subsequent 16 years.

In 1991, during a meeting of the General Council, the GC agreed to the proposal from the Finnish Member Organisation to host the XIV World Congress in 1997 in Finland. Professor Olli Aumala was appointed as President Elect and Chairperson of the Technical Board in the same year, and this lasted until 1994.

His service was followed by his role as President of IMEKO from 1994 to 1997, and then as Past President - Chairman of the Advisory Board from 1997 to 2000. From 2000 to 2003, he served as Secretary of the Advisory Board. In 2003, the General Council appointed him an honorary Advisory Board member, which marked the first time such a nomination had been made in IMEKO's history. In his home country, he established a national group that included universities (Tampere University of Technology), research institutes (State Research Centre, Technical Inspectorate), and the industry (Lahden Vaaka Oy, Valmet Corporation), creating a small cooperative network.

Professor Olli Aumala's life: Professor Olli Aumala was born in 1939. He earned his Diploma of Engineering at the Helsinki University of Technology in 1962, a Licentiate of Technology from Tampere University of Technology (TUT) in 1974, where he also completed his PhD in 2001. Professor Aumala began his career as a Design Engineer at Oy Strömberg Ab, a company that produced electromechanical items in Helsinki, where he worked from 1962 to 1967. He then transitioned to Valmet Oy Instrument Works in Tampere, where he served as a Research Engineer and Head of the Product Development Department from 1967 to 1971, when he became Chief Project Engineer in Electricity, Automation, and Telecommunication at A. Ahlström Osakeyhtiö in Karhula, a position he held until 1972. From 1973 to 1974, he led the Biotechnology Department at Valmet Oy Instrument Works in Tampere. His tenure at Tampere University of Technology as a Professor of Measurement and Information Technology started in 1972 and lasted until his retirement in 2002.

Professor Aumala was the author of numerous books and papers.

FARAWEL TO PROFESSOR OLLI AUMALA

These focused on measurement technology fundamentals, signal processing in measurements, industrial process measurements, metrological support for measurement results in smart measurement systems, and enhancing resolution by mitigating interference and noise.

He has served on the Editorial Board of Elsevier's Measurement Journal, he was the Chairman of the Standardizing Committee for Basic Terminology in Metrology, participated as a member of the Advisory Commission for Metrology, and held the position of Vice Chairman of the Board of the Centre of Metrology and Accreditation in Finland, in addition to being involved with the Finnish Society of Automation and the Society of Academic Technologists (KAL) in Finland.

He has received several accolades, including the Golden Bullet from the Finnish Society of Automation in 1999, a recognition as a corresponding member of the Saxon Academy of Sciences in Leipzig in 1999, the title of Knight, First Class, of the Order of the White Rose of Finland in 1999, The IMEKO Distinguished Service Award in 2000, and being named an honorary member of the Finnish Society of Automation in 2001.

Throughout his career, he has contributed to developing electronic motor drives, power electronic lighting systems for theater stages, prototypes of electronic protective relays for high voltage networks, and electronic measurement transmitters for process automation, among other projects.

Special initiatives: By the late 1980s and early 1990s, various "new generation" interdisciplinary areas had emerged. It became evident that IMEKO needed to be capable of addressing these global challenges.

Professor Aumala played a key role in a small group tasked with devising a new strategy for IMEKO's technical operations to align with current and future technological advancements, considering not only the rapidly evolving measurement technology itself but also the growing influence of industry on scientific research. IMEKO wasn't sufficiently recognized outside its community in relation to its output potential. The Finnish Society of Automation, in collaboration with the Tampere University of Technology, had developed two new tools that were already operational, but required ongoing updates: Professor Aumala himself created the first IMEKO website on the server of Tampere University of Technology, which revolutionized the platform to meet the needs of the XIV IMEKO World Congress held in Tampere, Finland, in 1997. The Congress turned out to be a huge success under his leadership. The Congress was bigger than ever, with about 800 participants and over 500 presentations from 47 countries.

During this period, a databank known as IMEKO Expertise Service was also established to support the IMEKO Secretariat. SAS, Tampere University, and Professor Aumala made remarkable contributions to IMEKO for many years. The Finnish Society of Automation, the Finnish Member Organisation, had been a member of IMEKO since 1975 due to Olli Aumala's enthusiastic personal devotion.

We bid farewell with gratitude by citing Professor Aumala's words reflecting on his gift to IMEKO:

"When I consider the experience of working with so many leading scientists, the result of the work for IMEKO, and other aspects, this, however, balances by far the hard work. I feel thankful and satisfied indeed. I hope that the forthcoming officers of IMEKO can share this conclusion."

FARAWEL TO PROFESSOR MLADEN BORSIC



We say goodbye with sadness to Professor Mladen Boršić, a long-time respected member of the IMEKO Community. Prof. Mladen Boršić, a distinguished

scientist, professor at the Faculty of Electrical Engineering and Computing, University of Zagreb, founder and long-time president of the Croatian Metrology Society, was an active participant in the international metrology community through the International Measurement Confederation IMEKO, and a chronicler of the Croatian Engineering Association.

Professor Boršić was one of Croatia's most significant promoters and builders of metrology. His dedicated work on the development and dissemination of scientific and professional knowledge, as well as his tireless activities in international organizations, will forever be remembered. As the founder of the Croatian Metrology Society, he made an invaluable contribution to the affirmation of the profession and to strengthening the reputation of Croatian experts on the international scene.

Professor Mladen Boršić was born in Zagreb on 9 September 1943. In his hometown, he completed elementary school and classical gymnasium. He graduated with master's and doctoral degrees from the Faculty of Electrical Engineering (today the Faculty of Electrical Engineering and Computing), dedicating himself to work in metrology. He was a full professor at his home faculty from 1968 to 2008. He taught several courses and was head of the Department

Fundamentals of Electrical Engineering and Electrical Measurements.

Professor Boršić authored and co-authored numerous scientific papers, studies and professional publications and was the editor of the Metrology Bulletin (Mjeriteljski Vjesnik), the journal of the Croatian Metrology Society, which has been published in Zagreb since 1983. Its central theme is metrology, and it has particularly contributed to the acceptance of international, European and Croatian standards in the field of metrology and to the cultivation of Croatian professional terminology. He had been its editor-in-chief since 1995. He was also an active editor of the domestic and international symposia proceedings. As an internationally recognized expert in metrology, he was a visiting professor at the University of Benevento, Italy and a long-standing member and official of international organizations, such as IMEKO, where he served as Vice-President responsible for the very successful 17th World Congress, Cavtat, Croatia, in 2003. He led the IMEKO Secretariat as Secretary-General from 2006 to 2012. He participated in numerous national and international organisations and projects. Professor Boršić was, besides being the founder, the first president of the Croatian Metrology Society, vice president of the Croatian Engineering Association, president of the Board of Directors of the Sveti Duh Hospital, and director of the Međimurje Energy Agency. He received the City of Zagreb Award (1975) and the international Danube Adria Association for Automation & Manufacturing (DAAAM) Award (1996).

Beyond his extensive academic and professional achievements, Professor Boršić had a genuine passion for music, art, and literature, embodying his kind and honest spirit.