

Short note

AFTER THE XX WORLD CONGRESS OF INTERNATIONAL MEASUREMENT CONFEDERATION IMEKO

1. About the Congress

The congresses of International Measurement Confederation IMEKO are organised – with rare exceptions, such as the Millennium Congress 2000 in Vienna – every three years. The recent one was held in Busan (South Korea) on September 9-14, 2012, under the headline *Metrology for Green Growth*. It has been generally assessed as a great success – first of all, in terms of its organisational quality guaranteed by the skills of the organisers from the Korean Institute of Metrology KRISS and its location. Busan is the second largest city of Korea (*ca.* 3.6 million inhabitants), located on the south-eastern coast of the Korean peninsula. It is famous for a coastline with superb beaches and scenic cliffs, mountains which provide excellent hiking and extraordinary views, and hot springs scattered throughout the city. It is also a city of hundreds of skyscrapers where important institutions, luxury hotels and convention centres are located. The Congress was held in the immense convention centre BEXCO and was attended by 649 participants from 44 countries; the distribution of its participants by country is shown in Fig. 1.

The Congress programme contained: five 50-minute-long invited lectures, 55 oral sessions (whose total duration was *ca.* 110 hours), two poster sessions (whose total duration was four hours); 26 other meetings (mainly board meetings of technical committees); a technical visit to KRISS (Seoul), a historical visit to the ancient city of Gyeongju, and two social events – the welcome reception and banquet.

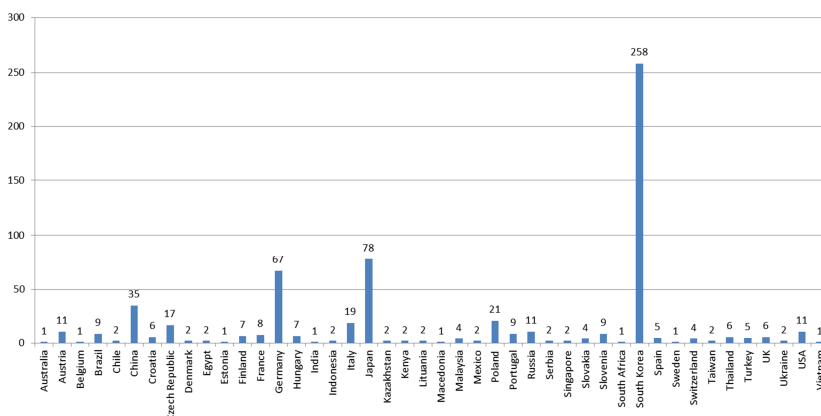


Fig. 1. Distribution of Congress participants by country (total: 649).

2. Organisational issues

IMEKO is a federation of national measurement-related organisations and institutions from 38 countries: Albania, Australia, Austria, Belgium, Brazil, Bulgaria, Canada, China, Croatia,

Czech Republic, Egypt, Finland, France, Germany, Greece, Hungary, Italy, Japan, Kazakhstan, Kenya, Mexico, Nigeria, Poland, Portugal, Romania, Russia, Rwanda, Serbia, Slovakia, Slovenia, South Africa, South Korea, Spain, Sweden, Switzerland, Thailand, Turkey and United Kingdom. The Organisation is run by several governing bodies whose duties are defined in the *IMEKO Constitution and By-laws* (available in section *Downloads* at <http://www.imeko.org/>): the General Council, the Board of Officers, the Advisory Board, and the Technical Board. The 2012 convention of the IMEKO governing bodies took place in Busan on September 8-9, 2012. Its programme included the annual meetings of those bodies and of the Editorial Board of the journal *Measurement*. The General Council, *i.a.*, elected the new Board of Officers for the term of office 2012-2015 (shown in Table 1).

Table 1. Board of IMEKO officers for the term of office 2012–2015.

President: Pasquale Daponte (Italy)	
Vice-President in Charge of XXI World Congress: Jaromir Volf (Czech Republic)	Vice-President for Publications: Paul P.L. Regtien (The Netherlands)
Vice-President for External Relations: Hidetaka Imai (Japan)	President-Elect, Chairman of the Technical Board: Klaus-Dieter Sommer (Germany)
Chairman of the Advisory Board, Past President: Dae-Im Kang (South Korea)	Treasurer: Roland Collay (France)
Secretary General: Zoltán Zelenka (Hungary)	Information Officer: Dirk Röske, Germany

3. Future IMEKO events

The next IMEKO World Congress will be held from August 30 to September 4, 2015, in Prague, Czech Republic.

Table 2. Technical committees of IMEKO.

TC1 – Education and Training in Measurement	TC13 – Measurements in Biology and Medicine
TC2 – Photonics	TC14 – Measurement of Geometrical Quantities
TC3 – Measurement of Force Mass and Torque	TC15 – Experimental Mechanics
TC4 – Measurement of Electrical Quantities	TC16 – Pressure and Vacuum Measurement
TC5 – Hardness Measurement	TC17 – Measurement in Robotics
TC6 – Vocabulary Committee	TC18 – Measurement of Human Functions
TC7 – Measurement Science	TC19 – Environmental Measurements
TC8 – Traceability in Metrology	TC20 – Energy Measurement
TC9 – Flow Measurement	TC21 – Mathematical Tools for Measurements
TC10 – Technical Diagnostics	TC22 – Vibration Measurement
TC11 – Metrological Infrastructures	TC23 – Metrology in Food and Nutrition
TC12 – Temperature and Thermal Measurements	TC24 – Chemical Measurements

The IMEKO technical committees (see Table 2), responsible for substance-related activities, will organise numerous conferences and workshops in 2013 and 2014. The following are already scheduled:

- TC1-TC7-TC13 Symposium on Measurement Across Physical and Behavioural Sciences (Genova, Italy, September 4-6, 2013);
- TC2 Symposium on Photonics in Measurement (Gdańsk, Poland, September 16-18, 2013);
- TC4 Symposium on Measurement of Electrical Quantities and Workshop on ADC/DAC Modelling and Testing (Barcelona, Spain, July 18-19, 2013);
- TC5 12th Conference on the Measurement of Hardness (Cape Town, South Africa, February 3-7, 2014);
- TC9 Conference FLOMEKO XVI (Paris, France, September 24-26, 2013);
- TC10 Workshop on New Perspectives in Measurements, Tools and Techniques for Industrial Applications (Firenze, Italy, June 6-7, 2013);
- TC12 Symposium on Temperature and Thermal Measurement in Industry and Science TEMPMEKO (Funchal, Madeira, October 14-18, 2013);
- TC22 3rd Conference on Vibration Measurement (Cape Town, South Africa, February 3-7, 2014).

More detailed information on those events may be found using *Event Finder* accessible on the IMEKO website (<http://www.imeko.org/>).

4. Polonica

As indicated in Fig. 1, the group of Polish participants was the fifth largest national delegation at the IMEKO Congress in Busan. The following institutions have been represented there: Białystok University of Technology, Cracow University of Technology, Gdańsk University of Technology, Gdynia Maritime University, Kielce University of Technology, Nicolaus Copernicus University (Toruń), Poznań University of Technology, RADWAG Balances and Scales (Radom), Warsaw University of Technology, West-Pomeranian University of Technology (Szczecin) and Wrocław University of Technology. Polish presentations appeared in the programmes of the sessions of TC4 (Measurement of Electrical Quantities), TC7 (Measurement Science), TC10 (Technical Diagnostics), TC13 (Measurements in Biology and Medicine), TC14 (Measurement of Geometrical Quantities), TC19 (Environmental Measurements) and TC21 (Mathematical Tools for Measurements).

The tradition of Polish involvement in the IMEKO management has been maintained: Janusz Mindykowski (Gdynia Maritime University) acted Member of the jury of the György Striker Junior Paper Award, and was nominated TC4 Chairman for the term of office 2012–2015; Roman Z. Morawski (Warsaw University of Technology) was nominated Member of Advisory Board for the third term of office. He also received the Distinguished Service Award “*for his continuous, longstanding support to IMEKO, actively contributing to the work of several TCs, also as former Chairman of TC7, delegate of the Polish MO, member of the AB*”.

The Polish measurement community is currently represented in 12 out of 24 technical committees, *viz.* in TC1 (Education and Training in Measurement) – by Jerzy Korczyński (Łódź University of Technology), Roman Z. Morawski (Warsaw University of Technology), Zbigniew Moroń (Wrocław University of Technology) and Przemysław Otomański (Poznań University of Technology); in TC2 (Photonics) by Małgorzata Kujawińska (Warsaw University of Technology); in TC3 (Measurement of Force Mass and Torque) – by Barbara Lisowska (Central Office of Measures); in TC4 (Measurement of Electrical Quantities) – by Janusz Mindykowski (Gdynia Maritime University); in TC5 (Hardness Measurement) – by Anna Osińska-Karczmarek (Central Office of Measures); in TC7 (Measurement Science) by Roman Z. Morawski (Warsaw University of Technology); in TC10 (Technical Diagnostics) – by Czesław Cempel (Poznań University of Technology), Wojciech Cholewa (Śląsk University of Technology) and Romuald Zielonko (Gdańsk

University of Technology); in TC12 (Temperature and Thermal Measurements) – by Jacek Kucharski (Łódź University of Technology) and Anna Szmyrka-Grzebyk (Institute of Low Temperature and Structure Research, Polish Academy of Sciences); in TC15 (Experimental Mechanics) – by Jacek Stupnicki (Warsaw University of Technology); in TC19 (Environmental Measurements) – by Artur Dybko (Warsaw University of Technology); in TC22 (Vibration Measurement) – by Joanna Kolasa (Central Office of Measures); and in TC24 (Chemical Measurements) – by Zbigniew Brzózka (Warsaw University of Technology).

Unfortunately, this representation is in many cases purely formal and inactive. It seems to be an urgent need to encourage our measurements experts, especially of younger generation, to undertake the challenge of creative involvement in the activities of the IMEKO technical committees.

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