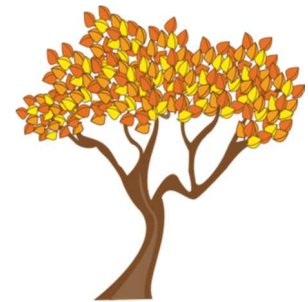




INTERNATIONAL MEASUREMENT CONFEDERATION

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IMEKO
e –BULLETIN NEWS LETTER
2nd Issue
October 2014

Dear Reader,

*IMEKO has been in a period of transition since the last issue.
Following the most recent General Council Session held in September 2014, I would like to
update you with the latest news and developments.
I hope that you will find the information in this issue helpful and useful.*

*With the warmest regards,
IMEKO Secretariat*

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Attendees at the General Council Session, 2014

1. 57th General Council Session in Benevento, September 2014

The General Council was invited to Benevento by the Italian Member Organization and Prof Pasquale Daponte, the President of IMEKO.

The University of Sannio was an excellent location for the extended and very interesting session.

The main topics of interest which were discussed were:

- Election of the new President Elect
- Review of Technical Committees
- The effective operation of IMEKO including its Technical Committees
- Excellent results achieved in the publication area (Journal MEASUREMENT and e-Journal, Acta IMEKO)
- Improved WEB presence and IMEKO event management
- Review of the first year of the Strategy.
- Steps towards the international recognition.
- New Member Organizations

2. New President Elect, Chair of Technical Board

After the resignation of Prof Klaus-Dieter Sommer, IMEKO faced the challenge of finding a new and enthusiastic leader for the Technical Board as the President Elect has the vital task of guiding the Technical Committees. Prof Sommer was thanked for his contribution as President Elect over the last two years.

After a long discussion the German Member Organization suggested that the Member Organization from the United Kingdom should nominate a successor. This suggestion was based on the long standing tradition that the President is from the organising MO of the Word Congress at the time of the Word Congress.

UK MO nominated Prof Kenneth Grattan who was elected by the General Council as the new President Elect and Chair of the Technical Board with immediate effect. After the IMEKO XXI World Congress in 2015 he will become President of the Confederation until the XXII World Congress in 2018.



Introducing Prof Kenneth T V Grattan, the new President Elect

Professor Grattan graduated in Physics from Queen's University Belfast with a BSc (First Class Honours) in 1974, followed by a PhD in Laser Physics. His doctoral research involved the use of laser-probe techniques for measurements on potential new laser systems. Following Queen's, in 1978 he became a Research Fellow at Imperial College of Science and Technology, sponsored by the Rutherford Laboratory to work on advanced photolytic drivers for novel laser systems. This involved detailed measurements of the characteristics and properties of novel laser species and a range of materials involved in systems calibration.

In 1983 he joined City University London as a "new blood" Lecturer in Physics, being appointed Professor of Measurement and Instrumentation in 1991 and Head of the Department

of Electrical, Electronic and Information Engineering. From 2001 to 2008 he was the Associate and then Deputy Dean of the School of Engineering and from 2008 to 2012 the first Conjoint Dean of the School of Engineering & Mathematical Sciences and the School of Informatics. In 2013 he was appointed the Inaugural Dean of the City Graduate School. He was appointed George Daniels Professor of Scientific Instrumentation in 2013 and to a Royal Academy of Engineering Research Chair in 2014.

He obtained the degree of Doctor of Science (DSc) from City University in 1992 for his sensor work. Professor Grattan is extensively involved with the work of the professional bodies having been Chairman of the Science, Education and Technology of the Institution of Electrical Engineers (now IET), the Applied Optics Division of the Institute of Physics and he was President of the Institute of Measurement and Control during the year 2000. He has served on the Councils of all three of these Professional Bodies. He was awarded the Calendar Medal of the Institute of Measurement and Control in 1992, and twice the Honeywell Prize for work published in the Institute's journal as well as the Sir Harold Hartley Medal in 2012 for distinction in the field of instrumentation and control. He was awarded the Applied Optics Divisional Prize in 2010 for his work on optical sensing and the honorary degree of Doctor of the University of the University of Oradea in 2014. He was elected to the Royal Academy of Engineering, the UK National Academy of Engineering, in 2008.

Professor Grattan has been Deputy Editor of the Journal Measurement Science and Technology for several years and currently serves on the Editorial Board of several major journals in his field in the USA and Europe. In January 2001 he was appointed Editor of the IMEKO Journal "Measurement" and also serves on their General Council. He is the author and co-author of over seven hundred refereed publications in major international journals and at conferences and is the co-editor (with Professor B T Meggitt) of a five volume topical series on Optical Fiber Sensor Technology. His work is highly cited by his peers nationally and internationally. He is a Visiting Professor at several major Universities in China, with strong links to Harbin Engineering University and the Shandong Academy of Sciences.

3. New TC Officers and members

As a part of the review of the membership of the various Technical Committees, a number of new Chairpersons were elected at the meeting, as indicated below.

The new TC Officers

- Dr Renato Reis Machado from the National Institute of Metrology, Quality and Technology INMETRO, Rio de Janeiro, Brazil to replace Dr Gun-Woong Bahng from Korea Research Institute of Standards and Science KRISS, Republic of Korea (TC5 - Hardness Measurement).

- Mr. Davor Zvizdic from University Zagreb, Croatia to replace Prof Francesco Righini from Istituto Nazionale Ricerca Metrologica INRIM, Torino, Italy (TC12 – Thermal and Temperature Measurement)
- Dr Andrea Merlone from Istituto Nazionale Ricerca Metrologica INRIM, Torino, Italy (TC12 – Thermal and Temperature Measurement). He will continue his activity as Information Officer as well.

- Prof Yasuhiro Takaya from University Osaka, Japan to replace Prof Albert Weckenmann from Universität Erlangen-Nürnberg, Germany (TC14 – Measurement of Geometrical Quantities)
- Prof Rainer Tutsch from University Braunschweig, Germany was re-elected as Vice-Chairperson (TC14 – Measurement of Geometrical Quantities)
- Dr Yong Hyeon Yim from Korea Research Institute of Standards and Science KRISS, Republic of Korea to replace Dr Jin Seog Kim also from KRISS (TC24 – Chemical Measurements)

New Members

- Dr Eric Benoit from University of Savoie, France (TC1 – Education and Training in Measurement and Instrumentation)
- Mr. Paul-Gerald Dittrich from Germany (TC1 – Education and Training in Measurement and Instrumentation)
- Mr. Ondrej Bruna from Czech Technical University, Czech Republic (TC1 – Education and Training in Measurement and Instrumentation)
- Mr. Matthew Warden from the United Kingdom (TC2 – Photonics)
- Mr. Khaled Mahmoud from KRISS, Republic of Korea (TC2 – Photonics)
- Dr Joaquín del Río Fernández from Universitat Politecnica de Catalunya UPC, Spain (TC4 – Measurement of Electrical Quantities)
- Mr. George Milushev from the Union of Metrologists in Bulgaria SMB (TC4 – Measurement of Electrical Quantities)
- Dr He Qing from China (TC4 – Measurement of Electrical Quantities)
- Prof Elizabeth Costa Monteiro from Brazil (TC7 – Measurement Science)
- Dr María Luísa Costa Reis from Brazil (TC7 – Measurement Science)
- Dr Francesco Crenna from University of Genoa, Italy (TC7 – Measurement Science)
- Mr. Andrew Todd from the National Research Council of Canada (TC12 – Thermal and Temperature Measurement)
- Mr Yoshiro Yamada from National Metrology Institute of Japan (TC12 – Thermal and Temperature Measurement)
- Prof Zarubin M. U. from ‘Rudny Industrial Institute’ RII, Kazakhstan (TC17 – Measurement in Robotics)
- Ph. D Larisa G. Stacenko from Kazakhstan Kazakhstan (TC17 – Measurement in Robotics)

- Mrs. Yeleussizova Zhanar from Kazakhstan Institute of Metrology RSE (TC17 – Measurement in Robotics)
- Dr María Isabel de Araújo Godinho from Portuguese Institute of Quality IPO, Portugal (TC22 – Vibration Measurement)
- Mrs. Claire Bartoli from Laboratoire National de métrologie et d'essais LNE, France (TC22 – Vibration Measurement)
- Mr. Yu-Chung Huang from Center for Measurement Standard/Industrial Technology Research Institute CMS ITRI, Taiwan (TC22 – Vibration Measurement)
- Mr. Mark Schiefer from Modal Shop, USA (TC22 – Vibration Measurement)
- Dr Michael Gaitan from National Institute of Standards and Technology NIST, USA (TC22 – Vibration Measurement)
- Mr. Anderson Mayna from Kenya Bureau of Standards KEBS (TC22 – Vibration Measurement)
- Mr. Alessandro Shiavi from Istituto Nazionale di Ricerca Metrologica INRIM, Italy (TC22 – Vibration Measurement)
- Mr. Andrew Scott from the National Measurement Institute of Australia NMIA (TC22 – Vibration Measurement)

Congratulations were offered to the new elected Chairpersons and the new members, who were wished every success in their new roles

Special thanks were expressed

- to Prof Francesco Righini, whose outstanding leadership of the extreme successfully TC-12 over a long period was recognized by the General Council and
- to Prof Albert Weckenmann TC14 who completed his term as Chairperson for his valuable contributions and professional support to the organization.

4. New Member Organizations

Two new MOs are welcomed by IMEKO following the approval of their application to the General Council.

HellasLab www.eeae.gr is the new Greek Member Organisation of IMEKO.



Hellaslab has 90 members; represents Greece in Eurorolab; is present at the Greek Accreditation Board and in the Greek Accreditation Systems (ESYD). The 57th General Council Session approved the membership in the Confederation. The Greek delegate is Dr Efthymios Karabetsos.

ISTA University of the Democratic Republic of Congo www.ista.ac.cd is interested in the development of metrology. ISTA declared its intention to join our Confederation.

Some IMEKO Officers supported the application for membership.

The 57th General Council Session approved the membership in the Confederation.

The delegate is Prof Kasengedia Motumbe Pierre, the director general of ISTA/KINSHASA.



5. Changes and current status in IMEKO Strategy

Mr. Zoltán Zelenka, the Secretary General of IMEKO gave an overview of the new Strategy for the organization and the plans for its implementation.

He informed the General Council that generally IMEKO had had a good start already on the implementation of the Strategy.

The main objectives of the Strategy were:

- ⇒ Improvement of the structure and thus the operation of IMEKO
- ⇒ Improvement of the structure and thus the operation of the Technical Committees
- ⇒ Improvement of the international recognition of IMEKO
- ⇒ Engagement of the Officers, MOs, TCs, Sponsors and conference participants
- ⇒ Improvement of IMEKO publications and enhancing the web presence

He reported on progress to date, which can be summarized as:

- ⇒ New Guidelines have been drafted.
- ⇒ The performance of the IMEKO journals has been significant.
 - The *Measurement* Journal reached a new level. All the important benchmarks have strongly improved, including the impact factor.
 - The new e-journal, the *Acta IMEKO* led by Prof Paul Regtien, the Vice President for Publications and Prof Paolo Carbone, the Editor-in-Chief of *Acta IMEKO* started successfully with many issues.
- ⇒ The web presence of IMEKO has strengthened. A new server is under development. The continuously updated website of the Confederation www.imeko.org and a new website for the organization and management of IMEKO events conferences.imeko.org was provided by the Information Officer, Dr Dirk Roeske from the Physikalisch-Technische Bundesanstalt (PTB).

The most important challenge for the coming period is the revision of the Constitution and making most effective the work of the Technical Committees. To achieve the goals a more formal method for implementation of the Strategy was recommended. The Officers are advised to develop a personal annual working plan from the strategy and share it with the Secretariat.

6. Working Group for revising the Constitution and By-laws of IMEKO

The document which sets out the Constitution of the Confederation requires a complete rework and renewal, given its age. A Working Group was set up for drafting a new and modern version.

The members of this Group are Prof Leo Van Biesen (Belgium), Prof Francesco Righini (Italy), Prof Roman Morawski (Poland) and Mr. Zoltán Zelenka (Secretary General). This activity is supported by the new President Elect, Prof Ken Grattan (United Kingdom).

The revised version of this document will be submitted to the General Council next year for approval.

Some minor, but urgent and essential changes were made this year to the Constitution which can be summarized as:

⇒ The change of the address of the headquarters of the Confederation including the registered office of the Secretariat.

⇒ The scope of activity and responsibilities of the President and the Secretary General were better specified.

In order to improve the communication in IMEKO new guidelines were drafted. The most important ones relate to:

- ⇒ taking decisions of the General Council by correspondence,
- ⇒ the financial management of the organization,
- ⇒ communications by IMEKO,
- ⇒ the organization of the Secretariat,
- ⇒ the scope of the activities of IMEKO Officers.

All the documents presented were seen thus far to be in draft and it was recognized that these were recommendations which are to be subject to further improvements.

7. Revision and revitalization of the Scientific Activities

The Technical Committees of IMEKO represent the major scientific activity of the Confederation, especially in the years between the World Congresses. However, recognizing the dynamic situation in the field, an improvement to the structure and operation of the Technical Committees was seen as of high importance to maximize the benefit of their work to IMEKO.

The structure and scope of activity of each TC should be subject of continuous review, to maximize the impact made. Suggestions for the reorganization of their structures and scope were seen as welcome. A study document is to be prepared with recommendations for improving the scientific quality of the work in some areas, including optimizing the organization of their events, their contribution to IMEKO publications and their presentation externally. It is recommended that each TC find ways to attract young scientists and industrial experts to their Committees and thus to their events. The statistics available on TC events recently was seen as being very useful to help measure and thus see means to improve their activities. The maintenance of the websites and updating the mailing lists of the TCs are also a priority to maximize the impact of their work.

8. A Guide for Organizers 'How to organize IMEKO TC Conferences, Symposia and Workshops' will be renewed

This document, with a suggested timetable, is put forward as a basic guideline for organizing IMEKO events and World Congresses.

The revision of this Guide will be carried out by a Working Group lead by the new President Elect, the Chair of the Technical Board, Prof Ken Grattan (United Kingdom) and supported by the IMEKO Secretariat. The members of this Working Group are: Mr. Davor Zvizdic (Croatia) and Mrs. Maguelonne Chambon (France).

9. IMEKO XXI World Congress 2015 – report on planning

With a motto “Measurement in Research and Industry” the forthcoming IMEKO World Congress will be organized in the Prague Congress Centre from August 30 to September 4, 2015.

Congress Secretariat website: www.kcp.cz

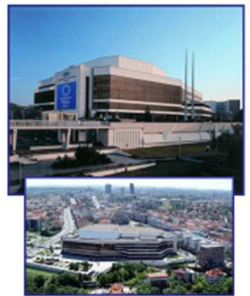
- Key contacts for the World Congress are:
- Prof Jaromir Volf volf@tf.czu.cz, Vice President (General Chair) in charge of IMEKO XXI World Congress
- Prof Jan Holub holubjan@fel.cvut.cz, Chair of International Program Committee
- Mr Vladimír Haasz haasz@fel.cvut.cz, Chair of Local Organizing Committee
- URL:measure.feld.cvut.cz/imeko, Czech National IMEKO Committee
- Email: info@imeko2015.org

All the key details can be found at the website <http://www.imeko2015.org>.

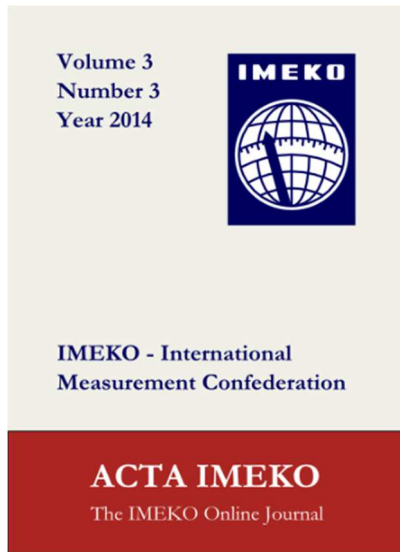


Congress Venue – Prague Congress Centre

The Prague Congress Centre is one of the largest and best equipped European centers. It offers space for the widest variety of events, such as congresses, conferences, seminars, meetings, corporate presentations, press conferences, exhibitions, trade fairs, balls, banquets and buffets. The range of banqueting and exhibition spaces available, including provision of accompanying services, makes it one of the largest and most comprehensive providers of these services, even outside the Czech market. The Centre has at its disposal 20 halls and 50 meeting rooms, with a capacity from 12 to 2764 persons.



10. New Issue of Acta IMEKO Vol 3, No 3 (2014) published



Achieving growth in the number of subscribers and the number of downloads of *Acta IMEKO* papers is a high-priority issue for the Management of the new open-access electronic- journal <http://acta.imeko.org/index.php/acta-imeko> established in 2013.

Based on the number of planned IMEKO events, especially the IMEKO XXI World Congress, a further increase in the submissions are expected. Using *Acta IMEKO* provides publication possibilities the organizers of the TC events and can be used to attract more participants.

The Editor in Chief of Acta IMEKO, Prof Paolo Carbone (Italy), places a great emphasis on improving the journal. He calls the TC Officers and Event Organizers for a strong collaboration in the publication activity.

[The contents](#) of the latest Issue of the *e*-Journal of the International Measurement Confederation (IMEKO) are available for free access.

Imprint:

The International Measurement Confederation ([IMEKO](#)) is responsible for the contents of this website.

Please forward this Newsletter to others (experts, institutions etc.) who might be interested in news of IMEKO.

The IMEKO Secretariat welcomes articles, new items and relevant information which can be of interest to readers for inclusion in future issues of IMEKO e-Newsletters.

Please send your contributions to imeko@t-online.hu. Thank you.

IMEKO Secretariat