



TO THE MEMBERS OF IMEKO TC12

Dear Colleagues,

welcome to the usual appointment with the semi-annual Newsletter that provides details of recent TC12 activities.

The work for the organization of TEMPMEKO-ISHM 2010 has entered its crucial stages and is now going on at full speed. We are very grateful to the technical and scientific communities working on temperature, humidity, moisture and thermal measurements for their support and for their exceptional response to the Call for Papers of the event. A record number of 387 abstracts was received and we are looking forward to a conference that might possibly break all previous attendance records. Full details about the conference organization, the geographical and topical distribution of abstracts and other matters are presented in the first article.

Several sessions on TC12 topics were held at the XIXth IMEKO World Congress in September 2009, along with an "open TC12 meeting". Details can be found in the second article.

The section on TC12 News with updated information on the membership concludes this issue.

Francesco Righini

FUTURE EVENT



Joint International Symposium on
Temperature, Humidity, Moisture and Thermal
Measurements in Industry and Science

May 31st - June 4th 2010
Portorož, Slovenia

As previously announced, the 11th Symposium on Temperature and Thermal Measurements in Industry and Science - TEMPMEKO and the 5th International Symposium on Humidity and Moisture - ISHM will be held together. This joint event is only six months away.

The conference registration will begin on 11 January 2010. Some final arrangements are being made with the conference venue. We have negotiated with the Bernardin Hotel complex special prices in their various hotels (from three-star to five-star accommodation), all within a 10-minute walk from the conference site. Participants should reserve rooms as soon as possible, and no later than 30 April 2010. After that date, the block of rooms set aside for the conference will be returned to the hotel. More economical

accommodation within 2 km from the venue are possible, as indicated in the conference website.

We have received a record number of 387 abstracts from all over the world, covering the technical areas of fundamental aspects and standards, reference materials for humidity and moisture measurements, applications of temperature, humidity, moisture and other thermal measurements and also traceability and dissemination. The number and quality of received abstracts guarantee an excellent technical event, covering in depth all major topics of interest to the temperature, humidity, moisture and thermal measurement communities around the world. The geographical distribution of received abstracts is reported in the following tables:

<i>Europe</i>	226
Austria	3
Belarus	1
Belgium	2
Bosnia Herzegovina	1
Croatia	5
Czech Republic	8
Denmark	3
Estonia	2
Finland	8
France	20
Germany	26
Hungary	2
Italy	27
Netherlands	9
Poland	8
Portugal	2
Russian Federation	23
Serbia	1
Slovakia	4
Slovenia	22
Spain	13
Sweden	3
Switzerland	1

Turkey	9
United Kingdom	23

<i>Asia - Pacific</i>	102
Australia	5
China	41
Japan	25
South Korea	7
New Zealand	12
Singapore	1
Taiwan	6
Thailand	5

<i>Americas</i>	51
Argentina	2
Brazil	6
Canada	5
Mexico	8
Panama	1
United States	29

<i>Africa</i>	8
Algeria	1
Burkina Faso	1
Egypt	2
South Africa	2
Uganda	1
Zambia	1

With respect to previous events, there is a significant increase in the number of submitted abstracts from all regions except America. The abstract distribution by topic is as follows:

Acoustic Thermometry	1
Calibration Procedures and Facilities	38
Climate and Weather Applications	2
Control and Automation	5
Dynamic and Transient Measurements	3
Environmental Measurements	5

Fixed Points	73
Humidity and Moisture Standards	22
Hygrometers and Moisture Sensors	10
Industrial Processing Applications	10
Instrumentation	15
Interaction of Water Molecules with Gases, Liquids and Solids	2
Inter-laboratory Comparisons	24
Medical and Biological Measurements	4
Moisture Profile and Transport	5
Noise Thermometry	2
Other Applied Measurements	14
Radiation Thermometry	28
Resistance Thermometry	25
Temperature Scales	18
Thermodynamic Temperature Determinations	33
Thermoelectric Thermometry	19
Thermophysical Properties	11
Uncertainty Estimation	12
Water Vapor Pressure Data	6

Taking into account the number of submitted abstracts, we plan to organize three parallel oral sessions each day together with three different poster sessions over the four days of the conference. In total there will be three plenary sessions, 171 oral presentations and up to 216 poster presentations.

The Co-Chairs and the members of the International Program Committee are busy working to review all the submitted abstracts before the communication deadline of 15 January 2010. The final manuscripts should be submitted by 28 February 2010. We are pleased to inform that the Proceedings of the joint event TEMPMEKO-ISHM 2010 will be published in the International Journal of Thermophysics, with fully refereed articles appearing in five Special Issues.

IMEKO has decided to hold its annual meetings (Advisory Board, Technical Board, Editorial Board of Measurement and General Council) in the same location on May 29-30. The participants to both events will have a chance to meet for a get-together on Sunday evening (May 30) to welcome the participants to TEMPMEKO-ISHM 2010 and say good-bye to the attendees of IMEKO meetings. The joint event will end on Thursday June 3 with the conference dinner. A cultural visit is planned for Wednesday afternoon. Friday June 4 is reserved for some satellite meetings of CCT working groups and other project meetings.

Participants are expected from industry, calibration services, research centres, universities and national measurement institutes, creating a good opportunity for exhibitors from related areas to present their products and services and to meet and exchange ideas with customers and colleagues. We expect some ten to fifteen manufacturers at the commercial exhibition.

All the information for potential participants and exhibitors are available from the joint symposium website <http://www.tempmeko-ishm.org/>. Furthermore, you can contact the organizers by email at info@tempmeko-ishm.org.

We expect to welcome all of you in Portoroz, Slovenia at the end of May 2010!!

The Local Organizing Committee (LOC)

Janko Drnovšek, LOC Chairman

Igor Pušnik, LOC Scientific Secretary

Jovan Bojkovski, member of SC, IPC and LOC

PAST EVENT



TC12 Sessions at the IMEKO World Congress

The XIXth IMEKO World Congress (WC) was held on 6-11 September 2009 in Lisbon, Portugal. Twenty-seven contributions on temperature and thermal measurements were presented in one poster sessions and in four oral sessions dealing with i) fixed points ii) pyrometry, iii) calibrations and intercomparisons and iv) applications.

An informal open meeting related to TC12 activities was held during the event with a presentation of past and future events.

TC12 News

New TC12 members.

Some new members have joined TC12 in recent months and are warmly welcome. They are:

Dr. Eduarda Filipe, IPQ, Portugal

Prof. Graham Machin, NPL, United Kingdom

Dr. Andrea Merlone, INRIM, Italy
