



# *NEWSLETTER*

## *IMEKO Technical Committee 12*

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### ***TO THE MEMBERS OF IMEKO TC12***

Dear Colleagues,

this issue of the Newsletter intends to keep you updated with the latest information on our most important event, the TEMPMEKO 2004 Symposium that will take place in a few weeks in Cavtat-Dubrovnik, Croatia (June 22-25, 2004). The preliminary indications are that the temperature and thermal measurements community has responded again positively to our efforts. I look forward to a well attended scientific event with a large participation and many interesting contributions presenting the latest achievements in the scientific areas of temperature and thermal measurements. Our Croatian colleagues have been doing a good organizational work in preparation of the event and I want to thank them for their great effort. The following article presents specific details on the last preparations for the event.

Other topics of interest concerning recent changes in TC12 are reported in the Section on TC12 News.

I am taking this occasion to send to all of you my best wishes for your work and look forward to meet many of you at TEMPMEKO 2004.

*Francesco Righini*

### ***TOWARD TEMPMEKO 2004***

22 - 25 June 2004

Cavtat-Dubrovnik, Croatia

[www.tempmeko2004.fsb.hr](http://www.tempmeko2004.fsb.hr)

TEMPMEKO ante portas! The final preparations for TEMPMEKO 2004, the 9<sup>th</sup> International Symposium on Temperature and Thermal Measurements in Industry and Science are fully under way.

The book of abstracts is currently being printed with a total of 214 contributions.

The organizers will also provide a CD ROM with the available unrefereed manuscripts at the time of the conference.

The manuscripts of the full papers are being sent out to the referees.

The Preliminary Programme is ready and its main features are:

#### **6 Plenary lectures** with topics including:

- History of the thermometric scales.
- New ways to define the Kelvin.
- Humidity generation.
- Temperature amplification.
- Conductivity of molten materials.
- Realisation of detector-based Kelvin.

**3 Round table plenary lectures** featuring some personal visions for the future of cryogenic, contact and radiation thermometry.

**26 sessions with oral and poster presentations** with topics including: radiation thermometry, temperature scales and fixed points, thermodynamic temperature determinations, interlaboratory comparisons, calibration procedures and facilities, uncertainty estimation, applications, resistance thermometry, thermocouple thermometry, humidity and thermal properties.

For a detailed view of the preliminary programme please refer to the TEMPMEKO 2004 website:

[www.tempmeko2004.fsb.hr/program.php](http://www.tempmeko2004.fsb.hr/program.php).

An update sheet for all last minute changes will be provided in the documentation in the conference bag.

TEMPMEKO 2004 will also host many collateral workshops and meetings.

**3 workshops include:**

	Day	Workshop Title / Organiser
1	Monday 21.06.2004.	"Uncertainty in Humidity Measurements" / EUROMET, Martti Heinonen, MIKES, Finland
2	Friday afternoon 25.06.2004.	"Common problems in Radiometry and Thermometry" / CCPR and CCT, CCT-WG-5, Joachim Fischer, PTB, Germany
3	Saturday 26.06.2004.	"Uncertainty budget for Fixed Points" (tentative title) CCT, Husseyn Ugur, Georges Bonnier, Richard Rusby,

**11 collateral meetings** are listed below:

	Title	Convenor
<b>Monday 21.06.04</b>		
1	IEC SC65B WG5	Erich Tegeler, PTB
2	CCT WG 9	John Redgrove, NPL
3	EUROMET Project 732	Georges Bonnier, INM
4	EVITHERM WP 8	Jean Remy Filtz
<b>Tuesday 22.06.04</b>		
5	CCT WG6	Stephanie Bell, NPL
6	EU FP 5 HIMERT Project	Graham Machin, NPL
7	CCT WG1	Dean Ripple, NIST
<b>Thursday 24.06.04</b>		
8	OIML TC 18 SC2	Juergen Hartmann, PTB
9	CCT WG 3	Rod White
10	CCT WG7	Alan Steele, NRC Canada
<b>Friday 25.06.04</b>		
11	IMEKO TC 12	Francesco Righini, IMGC

Even if some of these meetings are not open to the general public, it might be helpful for some of you to know what meetings have been scheduled so far. More information about meetings (scheduled times, duration, place, etc.) can be found at:

[www.tempmeko2004.fsb.hr/meetings.php](http://www.tempmeko2004.fsb.hr/meetings.php)

The members of the National Organizing Committee of Faculty of Mechanical Engineering and Naval Architecture and Laboratory for Process Measurement are arranging the final details at the conference. In all meetings rooms an LCD as well as overhead projector will be available for oral presentations.

Ten manufacturers will present the latest instrumentation for temperature and humidity measurements in the exhibition.

Social events including a Welcome party, a cultural visit to the city of Dubrovnik, the conference dinner, as well as many other occasions will provide ample opportunities to meet and spend some pleasant time with your colleagues.

The best opportunity for registration is on Monday, June 21, from 17:00 to 19:00 at the Conference Registration Desk. Participants can also register during the Symposium which will open at 8:00 on Tuesday, June 22, at the conference venue. Late registrations will also be possible during the event. We are looking forward to meet and welcome all of you at TEMPMEKO 2004 in Cavtat-Dubrovnik.

*Davor Zvizdic*

## ***TC 12 NEWS***

### ***Changes in TC12.***

Some changes in the membership of TC12 occurred in recent months.

- Prof. Lubos ***Hes***, Technical University of Liberec, Czech Republic, is the new member from his country.
- Prof. Nabila ***El-Sayed***, National Institute for Standards NIS, Giza, Egypt, has joined the Committee.

A cordial welcome is extended to the new members and many thanks are due to the persons that they replaced, for their work in previous years on behalf of the TC12 Committee.