



# **NEWSLETTER**

## **IMEKO Technical Committee 12**

c/o Francesco Righini  
CNR Istituto Metrologia "G. Colonnetti"  
Strada delle Cacce, 73 - 10135 Torino, Italy  
tel + 39 011 3977342 fax + 39 011 3977347  
e-mail: f.righini@imgc.cnr.it

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

Dear Colleagues,

In a few weeks the IMEKO World Congress to be held in Dubrovnik-Cavtat, Croatia will provide an opportunity for presentations in TC12 topics and interactions with other people concerned with measurement science in different scientific areas. Details are presented later on in this Newsletter.

In recent months the preparatory work for our most important event, TEMPMEKO 2004, has been going on at full speed. Thanks are due to our Croatian friends for their big efforts. The Call for Papers is being finalized and will be distributed during this month. Please note that this will be the only printed communication with the Symposium: all subsequent contacts and submissions will take place via Internet. You should check regularly the TEMPMEKO 2004 website for updated information. An article from the Organizer provides you with all the details.

Recently TC12 has made available its own website at [www.imeko.org/tc12](http://www.imeko.org/tc12). Thanks are due to the IMEKO Information Officer for his help and technical support in organizing the site. The pages contain information on TC12 membership, past and future scientific events and recent copies of the TC12 Newsletter, that can be freely consulted and/or downloaded as a pdf file. In relation to the

availability online of the Newsletter, in the near future the distribution policy by post will be modified. People affected by this change will receive a personal communication.

Other topics of interest concerning changes in TC12 and future TC12 events are reported in the Section on TC12 News.

With my best wishes for your work.

*Francesco Righini*

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### ***XVIIth IMEKO World Congress***

The triennial IMEKO World Congress will take place in Dubrovnik-Cavtat, Croatia on June 22-27, 2003. Complete details are available at the website [www.hmd.hr/imeko/](http://www.hmd.hr/imeko/). The scientific programme related to TC12 topics (temperature, humidity and thermal measurements) includes four oral sessions on basic thermometry (4 papers), applied thermometry (4), radiation thermometry (5), thermal measurements (4) and one poster session (miscellaneous topics). There will be a total of 28 presentations in both oral (17) and poster (11) sessions.

TC12 will also present a large poster summarizing its 25 years of activity. Complete

details and the full conference program that includes many special events can be found on the indicated website, that should be consulted for last minute information

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### **TOWARD TEMPMEKO 2004**

Tempus fugit, they say, and TEMPMEKO 2004 is only one year away. The preparations for it are well under way and the Call for Papers is being distributed to the temperature, humidity and thermal measurements community throughout the month of June 2003. If by the end of that month you do not have a copy, please email [tempmeko2004@fsb.hr](mailto:tempmeko2004@fsb.hr) or look in the web at [www.tempmeko2004.fsb.hr](http://www.tempmeko2004.fsb.hr). The TEMPMEKO 2004 website is being finalized and will be available shortly.

All TC-12 members and other people receiving this Newsletter are invited to email the names and addresses of colleagues who might be potentially interested in TEMPMEKO 2004 and have not received the Call for Papers.

The Symposium will be held in Cavtat/Dubrovnik, Croatia, on June 22 - 25, 2004.

The most important deadlines are:

- Submission of abstracts: 31 October 2003
- Notification of acceptance: 15 December 2003
- Submission of full papers: 31 March 2004

The aim of TEMPMEKO 2004 is to present new techniques of measurement and new results in thermometry, humidity and thermal measurements. The Symposium covers all areas from industrial applications and new sensors to improvements of

the International Temperature Scale and fundamental realizations of standards, covering all temperature ranges. Attention is paid not only to sensors and to new measurement methods, but also to the use of electronics and microcomputers in temperature and thermal measurements and control systems.

The main topics of TEMPMEKO 2004 are:

- **Fundamental Aspects and Standards:** Thermodynamic Temperature, Temperature Scales and Fixed Points, Humidity and Thermal Property Fundamentals, Primary Standards
- **Instrumentation and Methods:** Resistance Thermometry, Radiation Thermometry, Thermoelectric Thermometry, Noise, Acoustic and Electronic Thermometry, Optical Fiber Thermometry, Measurement and Generation of Humidity, Thermal Measurements
- **Sensors:** Contact Thermometry, Radiation Thermometry, Humidity, Thermal - Heat Flux
- **Traceability and Dissemination:** Calibration Procedures and Facilities, Transfer Standards, Inter-laboratory Comparisons, Uncertainty Estimation
- **Applications:** Industrial Measurement and Control, Environmental, Meteorology, Oceanography, Measurement of Dynamic Processes, Surface Temperature Measurement, Thermophysical Property Measurements

The invitation to attend the symposium is extended to everybody interested in temperature, humidity and thermal measurements. Participants are expected from industry, calibration services, universities and national measurement institutes.

The following categories of presentations are planned:

- Invited plenary lectures
- Oral presentations (20 minutes)
- Poster presentations

All presentations will receive equal treatment in the Proceedings and Abstracts Volumes.

The official conference language is English. No translation will be provided.

All scientific aspects of the Symposium will be supervised by an International Programme Committee (IPC), that is presently being organized. The members of IPC will review the abstracts. Authors will be informed about the acceptance of their contribution for presentation at the TEMPMEKO 2004 Symposium by 15 December 2003. The Abstract Volume will be available at the conference. A CD-ROM containing the non-refereed text of available manuscripts is planned.

The manuscripts of the full papers must be received by the Organizers before March 31, 2004. The papers will undergo peer review and those accepted and presented at the Symposium will be published in the Proceedings Volume(s) available some months after the event.

An exhibition of temperature, thermal measurement and humidity related instrumentation is foreseen.

Related satellite meetings are welcome and will be supported by TEMPMEKO 2004. The organizers should contact by email [tempmeko2004@fsb.hr](mailto:tempmeko2004@fsb.hr) as early as possible for appropriate logistic arrangements.

The conference will be held in the Cavtat-Dubrovnik area. Situated in the most southern part of the Republic of Croatia, at the entrance to the Adriatic Sea, Dubrovnik is the most beautiful Croatian city. The town dates from medieval times,

built mainly from the 13<sup>th</sup> to 16<sup>th</sup> century. The Old Town, part of the UNESCO's World Heritage, is completely surrounded by city walls, by the Adriatic Sea and overlooking Elaphite islands. Its cultural-historical heritage and a Mediterranean climate make attendance to the conference a pleasant and memorable occasion.

All TEMPMEKO 2004 scientific sessions will be held in the Croatia Hotel, which is located in the picturesque bay of the little town of Cavtat, the ancient Epidaurum, predecessor to Dubrovnik and itself a part of the Dubrovnik Riviera. The hotel is situated in the immediate proximity of the Dubrovnik airport (3 km), which has several regular 45-minute daily flights to the Croatian capital Zagreb, which in turn has direct airline, train and road connections to most European capitals and intercontinental airline gateways. During the summer the Dubrovnik airport is served by several international flights and the city can also be reached by an overnight ferryboat from Bari (Italy).

After the initial Call for Papers, all communication with authors and attendees will take place using Internet. Please check regularly the symposium website for updated information: [www.tempmeko2004.fsb.hr](http://www.tempmeko2004.fsb.hr)

The conference formal address is:

Tempmeko 2004 c/o FSB  
Ivana Lucica 5  
HR-10000 Zagreb, Croatia,  
tel: +385-1-6168484  
fax: +385-1-6118714  
email: [tempmeko2004@fsb.hr](mailto:tempmeko2004@fsb.hr)

We are looking forward to meet all of you at TEMPMEKO 2004.

*Davor Zvizdic*

## ***TC 12 NEWS***

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

A change in the membership of TC12 occurred since the last Newsletter.

- Dr. David Head, National Physical Laboratory (NPL), United Kingdom, has joined the Committee.

### ***TEMPMEKO 2007***

The next semester is the classical period when proposals are made regarding the venue

of TEMPMEKO 2007. People potentially interested in hosting the event are encouraged to contact privately the TC12 Chairman for an exchange of ideas.

Formal bids for the event should be submitted in writing to the TC12 Chairman in the period Dec 1, 2003 to Jan 31, 2004.

The TC12 members will evaluate the situation in the following months. The final decision should be announced during the closing session of TEMPMEKO 2004.

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