



# **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,

welcome to the semi-annual TC12 Newsletter with details of recent activities. This issue has been somewhat delayed to bring you all the news related to the publication of the Proceedings of TEMPMEKO 2004. Full details are reported in the following article.

Additional information on various items of interest concerning both TC12 and IMEKO may be found in the news section.

Best wishes to all of you for your work and activities

*Francesco Righini*



### ***PROCEEDINGS OF TEMPMEKO 2004***

*Sat cito si sat bene* (Soon enough if well enough), we said as the editorial work was finished in June 2005 and the Proceedings went into print in July 2005, one year after the Symposium.

The Proceedings contain a fully refereed subset of the papers presented at TEMPMEKO 2004, the 9<sup>th</sup> Symposium on Temperature and Thermal Measurements in Industry and Science, that was held on 22-25 June 2004 in Dubrovnik-Cavtat, Croatia.

The 209 published papers reflect the great efforts and marvellous work of many contributing scientists, researchers and engineers. They present the state-of-the-art in temperature, humidity and thermal measurements, as well as some ever-useful overviews in the field. The volumes contain:

- All the plenary lectures dealing with topics like: History of the thermometric scales; New ways to define the Kelvin; Humidity generation; Temperature amplification via heat-pipes; Conductivity of molten materials and Realization of detector-based Kelvin.
- Oral and poster presentations that have been grouped in homogeneous categories: radiation thermometry, temperature scales and fixed points, thermodynamic temperature determinations, inter-laboratory comparisons, calibration procedures and facilities, uncertainty estimation, applications, resistance thermometry, thermocouple thermometry, humidity and thermal properties.

The Proceedings are being published in two volumes, with a total of 1424 pages. Volume 1 (A4 format, ISBN number 953-6313-72-3) contains 770 pages of scientific text, XX pages of introductory content and 2 pages of Author index. Volume 2 (A4 format, ISBN number 953-6313-73-1) contains 598 pages of scientific text, XVI pages of introductory content and 2 pages of Author index. The ISBN number referring to the TEMPMEKO 2004 Proceedings as a two-volume set is ISBN 953-6313-71-5.

The volumes will not be on sale commercially, but some additional copies have been printed and are available on a first-come-first-served-basis. If interested, please contact the TEMPMEKO 2004 Secretariat at:

Tempmeko 2004 c/o FSB  
Ivana Lucica 5, HR-10000 Zagreb, Croatia  
tel: +385-1-616-84-84, Fax: +385-1-6118-714  
E-mail: tempmeko2004@fsb.hr

Alternatively you may download the TEMPMEKO 2004 Proceedings Order Form, which will be posted on [www.tempmeko2004.fsb.hr](http://www.tempmeko2004.fsb.hr) starting from September 2005.

The volumes were packaged and delivered to the postal system by the Publisher (LPM - Laboratory for Process Measurements, Faculty of Mechanical Engineering and Naval Architecture, Zagreb, Croatia) in the first week of August 2005. One copy has been sent by post (via surface mail) to all the Symposium participants paying the full registration fee. Delivery times are expected to be 2-3 weeks for Europe, 1-2 months overseas.

I am taking this occasion that fully concludes the experience of TEMPMEKO 2004 to thank all of you, from my co-workers and co-organizers that put in a tremendous effort, to the referees and to all those involved somehow in the publication effort. A special thank you goes to the participants and authors: it is your willingness to be present, to write about your work and to interact with each other that creates this lively scientific community. I look forward to meet all of you again in occasion of TEMPMEKO 2007 in Canada.

*Davor Zvizdic*

---

## ***IMEKO NEWS***

### ***Call for Papers: IMEKO World Congress in Brazil, September 2006.***

The scientific community of IMEKO will meet for the 18<sup>th</sup> World Congress, to be held in Rio de Janeiro, Brazil on September 17-22, 2006. The Congress theme is "Metrology for a Sustainable Development". Full details about this event are available at [www.metrologia2006.org.br](http://www.metrologia2006.org.br). Extended abstracts are due by October 3, 2005.

The scientific organization of the Congress is based on the activities of the IMEKO Technical Committees and therefore there will be specific session devoted to TC12 topics. The IMEKO World Congress is highly interdisciplinary: in relation to this fact introductory and review papers on specific topics on temperature and thermal measurements are particularly welcome. Those of you already working in interdisciplinary areas may also find of high interest the activities and presentations of other IMEKO Technical Committees, that cover the entire spectrum of

measurement science. Full details are available on the indicated website.

***IMEKO Publication Policy.***

In the first months of 2005 IMEKO has reconsidered its publication policy, with a new contract that was discussed between IMEKO Officers and the Publisher Elsevier regarding the journal Measurement.

It is expected that the journal will interact more

with the activities both of IMEKO and of its Technical Committees, increasing significantly the number of pages and its correlation with IMEKO events. Full details will be discussed at the various IMEKO Board meetings, to be held in Brussels, Belgium in early November 2005. In relation to these developments TC12 will consider the possibility of asking the journal to publish Special Issues containing all the TEMPMEKO papers that pass the refereeing procedures

---