



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

Dear Colleagues

Welcome to the semi-annual Newsletter with information on TC12 activities. The two important future events in our scientific community are the IMEKO World Congress in September 2006 (Brazil) and our main Symposium TEMPMEKO 2007 (Canada). Details about these two events can be found in the following article.

Following the trend of other countries, Italy has restructured its metrology sector, merging the two laboratories that were dealing with mechanical and thermal quantities (IMGC) and electrical quantities (IEN). Consequently the former laboratory with which I was associated (IMGC) has ceased to exist from Jan 1. We are now part of a new Italian metrology institution (acronym INRIM):

Istituto Nazionale Ricerca Metrologica  
Strada delle Cacce 73-91  
10135 Torino, Italy

For the moment being the previous telephone, fax and email are still working, but they are likely to change in future months. You may want to update my email address to [f.righini@inrim.it](mailto:f.righini@inrim.it) that is already operational (for incoming messages only).

Other items of interest concerning TC12 may be found in the news section. Best wishes to all of you for your work and activities

*Francesco Righini*

## ***FUTURE EVENTS***

### ***IMEKO World Congress in Brazil,*** ***September 2006.***

The organization of the IMEKO World Congress (WC) in September 2006 (Rio de Janeiro, Brazil) has entered its final stages. Full and updated information, including the preliminary programme, can be obtained at

<http://www.metrologia2006.org.br/>

There will be five oral sessions and one poster session related to TC12 activities, for a total of 35 contributions. The five oral sessions have been arranged by topics to cover fundamental aspects, high temperatures, thermocouples, applications and thermal measurements. Each oral session will start with an "invited TC12 contribution" that highlights the specific session topic. These invited contributions are assigned a double time slot. The organizers have also given significant attention to TC12 topics, with the invitation of two plenary lectures that will cover activities related to the new definition of the Kelvin and to the world of subsecond thermophysics.

An informal open meeting related to TC12 activities will be held during the event and everybody interested in our work is welcome to attend.

## Toward TEMPMEKO 2007.

Preparations are well under way for the most significant event of our TC, namely the 10<sup>th</sup> International Symposium on Temperature and Thermal Measurements in Industry and Science (TEMPMEKO) to be held on May 19-26, 2007 at the Chateau Lake Louise, in Banff National Park, Alberta, Canada, a scenic two-hour drive from Calgary International Airport.

The organization of this event by NRC has been formally ratified by the IMEKO General Council. Alan Steele, Director of Metrology of the NRC's Institute of National Measurement Standards and TC12 member, is serving as Event Organizer, and Ken Hill, head of the Thermometry Group, is the Scientific Program Chair and Chief Editor of the Proceedings. The Exhibits Committee is Chaired by Duane Brown of Measurements International, with assistance from Bernard Morris of Hart Scientific and Fluke Corporation.

We are pleased to announce that the Proceedings will be published in the International Journal of Thermophysics, published by Springer, with fully refereed articles appearing in four Special Issues.

The TEMPMEKO 2007 website is up and running at <http://www.tempmeko2007.org> and there you will find useful details concerning the important dates for the conference along with information about the accommodations and transportation arrangements. The website is the principal communications channel for the conference, so be sure to visit often.

The First Announcement and Call for Papers has been mailed to all participants of TEMPMEKO 2004, along with a poster advertising the event. Please pass these PDF files along to your interested colleagues and clients to assist in promoting the Symposium.

## **TC12 NEWS**

### **In memoriam of Dr. Dave DeWitt, former TC12 member**

Dr. David P. DeWitt, 71, a retired Purdue University professor and a NBS/NIST physical scientist most recently in the Optical Technology Division, died on May 17, 2005 at his home in Edgewater, Maryland.

Dr. DeWitt graduated from Duke University in 1955 with a B.S. in mechanical engineering. He received his M.S. in heat and mass transfer / thermodynamics from the MIT in 1957 and his Ph.D. in mechanical engineering from Purdue University in 1963.

He worked at NBS in 1963 as a physicist in the Metallic Building Materials Section of the Building Research Division and then returned to Purdue University where he held the positions of Deputy Director of the Thermophysical Properties Research Center (1965-1972), Associate Professor (1972-1978), and Professor of Mechanical Engineering (1978-1996). He worked on measurement methods in support of thermal control space applications.

After retiring from Purdue University, Dr. DeWitt, an expert on heat transfer, returned to NIST in 1996 on a Faculty Appointment. He was the leader of the Rapid Thermal Processing (RTP) temperature sensing project and also chaired a committee at NIST to work with the heat flux industry in resolving measurement discrepancies.

He joined TC12 in the early 1990 and served in the committee until 2004. His keen intellect and scientific contributions will be missed by friends and colleagues.

*Ben Tsai*