



NEWSLETTER

IMEKO Technical Committee 12

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TO THE MEMBERS OF IMEKO TC12

Dear Colleagues

The main event in our scientific community during the last semester was TEMPMEKO 2007. It was a very successful symposium, and scientific and technical details are reported in the following article. All of you might be interested in a short pictorial history of TEMPMEKO 2007, reported in the last page of this Newsletter. Taking advantage of digital pictures taken both by INRIM colleagues and by myself, I have assembled together one picture per day, loosely connecting them with subtitles related to temperature and thermal measurement themes.

The TC12 meeting held during TEMPMEKO 2007 took several important decisions, indicating the Officers for the next three year period and accepting the idea of a webmaster for TC12. Specific details are reported in the section on TC12 News.

As announced during the closing dinner of TEMPMEKO 2007, things will be different in 2010. Our conference will combine forces with the International Symposium on Humidity and Moisture (ISHM) in organizing a joint event called TEMPMEKO & ISMH 2010. Please check the website www.tempmeiko-ishm.org for full details.

Francesco Righini



10th International Symposium on Temperature and Thermal Measurements in Industry and Science 21-25 May 2007 Lake Louise, Alberta, Canada www.tempmeiko2007.org

The Symposium was held May 21st-25th, 2007 at the Fairmont Chateau Lake Louise located within Banff National Park in western Canada. This was the first time that TEMPMEKO was convened outside of Europe, and that was undoubtedly the reason for the somewhat smaller number of attendees compared to the 2004 event. The 205 attendees came from 34 countries, making TEMPMEKO a truly international gathering. The reduction in the number of attendees from Europe was somewhat offset by increased numbers from the America and Asia-Pacific regions

The geographic distribution of the participants is presented in the following table, that includes only presenters and attendees. In addition, 32 persons participated as exhibit booth staff, and 9 were registered as accompanying persons/spouses.

Western Europe = 91			
Austria	3	Italy	9
Belgium	1	Netherlands	7
Denmark	8	Norway	1
Finland	3	Portugal	2
France	1 4	Spain	6
Germany	2 3	Sweden	2
Ireland	1	UK	1
Central and Eastern Europe = 21			
Croatia	1	Russia	7
Estonia	1	Slovakia	2
Czech Republic	2	Slovenia	5
Poland	3		
Asia-Pacific = 46			
Australia	2	New Zealand	2
China	1 2	Singapore	3
Japan	0	Taiwan	1
Korea	6		
America = 44			
Brazil	2	Mexico	2
Canada	1 0	USA	3 0
Africa = 3			
Egypt	1	South Africa	2

The conference began with an opening reception followed by a buffet dinner on Sunday evening May 20th that was intended as a fun and informal mixer for friends and colleagues to renew acquaintances. One of the highlights was the “Mountie Meet and Greet” where attendees were given the opportunity to socialize and have photos taken with two retired members of the Royal Canadian Mounted Police attired in their distinctive dress uniforms.

The conference program ran from Monday morning to Thursday evening, with the days beginning with breakfast and ending with dinner. All meals and coffee breaks were included in the registration fee, so attendees were able to spend a great deal of time

together, a situation befitting the conference theme – “Captive Audience, Captivating Location”.

The social events were created to have the participants spend time together outside of the scientific program, and most evenings were memorable for various reasons. On Tuesday, the Brewster Barn dinner provided a unique atmosphere, a “cowboy-style” dinner, entertaining music, and a degree of participation in the “country line-dancing” that can only be described as astonishing. The Wednesday dinner in the picturesque Victoria Room was accompanied by a snowfall that was the “icing on the cake” as it coated the trees surrounding Lake Louise. The Thursday dinner marked the closing of TEMPMEKO, and provided the exciting announcement of the venue for the next gathering in 2010.

Over the course of the four days of the conference, the participants delivered 138 oral and 107 poster presentations. The oral presentations occupied 36 sessions, with the majority of these taking place in 3 parallel streams. The posters were divided into two sessions; the first was held late Tuesday afternoon and the second was early Thursday morning.

On Thursday and Friday, the following working groups met:

Meeting	Convenor
IMEKO TC12	Francesco Righini, INRIM
CCT WG1	Dean Ripple, NIST
CCT WG3	Rod White, MSL
CCT WG4	Joachim Fischer, PTB
CCT WG5	Graham Machin, NPL

CCT WG6	Stephanie Bell, NPL
CCT WG7	Alan Steele, NRC
CCT WG8	Greg Strouse, NIST
EUROMET 857	Ronan Morice, LNE

The proceedings of TEMPMEKO 2007 will be published as 4-5 special issues of the International Journal of Thermophysics. The editorial team consists of Ken Hill, Stephanie Bell, Juergen Hartmann, Rod White, and Greg Strouse, and we will work closely with Francesco Righini and the IJT editor, Mickey Haynes, to ensure that the TEMPMEKO 2007 archival record is made available in as timely a manner as circumstances permit. A journal publication is another “first” for TEMPMEKO, and the decision carries with it both some challenges and opportunities. For example, once manuscripts are approved and prepared for publication, they can be made available online. We do not need to wait until all of the papers are ready before printing the proceedings. Now that many institutions have online access to scientific journals, we expect that there will be considerably less demand for paper copies of the proceedings than was formerly the case. Springer, the publisher of IJT, has indicated a per issue price of \$59US for those who prefer a hardcopy.

An exhibition of temperature and humidity measuring equipment from 14 companies took place adjacent to the lecture rooms, and conference participants were encouraged to take the opportunity to view the exhibits and speak with the representatives in attendance. We are grateful for their support of TEMPMEKO 2007, and wish to give special thanks to Fluke, Isotech,

Measurements International Limited, and RH Systems in particular for sponsoring various social events during the week. This allowed us to provide a much “richer” dining experience for the participants than would otherwise have been possible without significantly increasing the registration fee.

Exhibitor Name
<u>Advanced Cooling Technologies</u>
<u>Automatic Systems Laboratories</u>
<u>Electronic Development Labs</u>
<u>Fluke Corporation, Hart Scientific Division</u>
<u>Guildline Instruments</u>
<u>INSCO</u>
<u>Isotech North America</u>
<u>Measurements International Ltd.</u>
<u>Pond Engineering</u>
<u>RH Systems</u>
<u>Rotronic</u>
<u>Thunder Scientific</u>
<u>Vanko Analytics Limited</u>
<u>Veriteq Instruments, Inc.</u>

We hope that everyone enjoyed their time at Lake Louise, a true jewel in the midst of Canada’s Rocky Mountains. Hosting TEMPMEKO was demanding work, but the positive comments that we received made the effort worthwhile. It was a privilege to showcase Canada (a small part of it) to the world, and we hope that many will take the opportunity to return.

We look forward to seeing you all in Slovenia three years hence, and wish the organizers of TEMPMEKO & ISHM 2010 all the best.

*Ken Hill
Alan Steele
Duane Brown*

TC12 News

Officers. The TC12 meeting, held on May 24 during TEMPMEKO 2007, discussed the Officer situation for the next three year period. Erich Tegeler resigned from the Scientific Secretary position on account of his retirement from PTB in March 2008. All the members thanked Erich for his work over many years on behalf of the committee.

Francesco Righini was reelected as Chairman and Davor Zvizdic was elected as new Scientific Secretary. The names will be reported to the IMEKO Board meeting in September 2007 for confirmation.

The TC12 meeting also authorized the Chairman to appoint a TC12 webmaster, that will take over responsibility for redesigning the current TC12 web pages and to maintain them regularly. Andrea Merlone, a young scientist at INRIM, Italy has been nominated as TC12 webmaster.

New member. Jan Nielsen is the new TC12 member from Denmark. Jan had already been involved in TC12 in earlier years, then he moved to work at NNI (The Netherlands). He is currently the Metrology Product Manager at Teknologisk and has re-joined the committee.

TEMPMEKO 2007



Monday....a large ice point!!



Thursday morning.....on the road to the TC12 meeting!!



Tuesday....checking the temperature, humidity and moisture!!



Friday....checking the ice point with a foot thermometer!!



Wednesday....mother Nature at work to improve the ice point!!



Saturday....two friends on the departure road