

*To the members of the IOC
of the ECTP*

Dear Colleagues,

welcome to the yearly Newsletter. In relation to the generational change that has been taking place within the IOC, I feel that it is important to recall some issues that were considered in the past, but were not followed by any significant action.

The future of the ECTP. A few years ago we debated internally this issue: several members considered the item an important one and expressed different opinions, but we treated the topic somewhat academically and did not follow up with actions. I will try to summarize it as follows: the ECTPs have become well established and a significant feature of the international thermophysics community. The conferences are well known and well attended, reaching a fair part of the European and international communities. We might be satisfied with the status quo, simply devoting time and efforts to improve future conferences. Alternatively, we might consider some possible extension(s) of our activities, in consideration that:

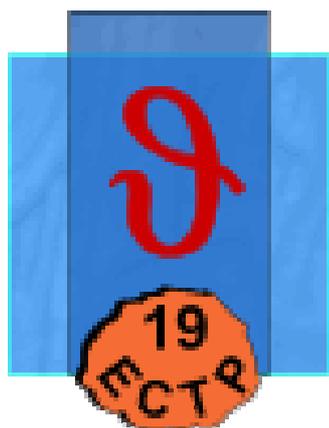
- a) we have a limited reach in some European geographical areas, with no IOC members and poor ECTP participation
- b) it might be possible to have significant interactions with scientists from countries in the Mediterranean basin and from Middle East countries
- c) we might try to encourage the few active African colleagues to an increased participation in our events

Beyond our desire to possibly move in any of the directions indicated above (that needs to be verified) or into any other direction that you may propose, we should be aware that the constant ECTP improvements that took place in the past were due to the active involvement of individual IOC members. Therefore your ideas on the matter are important, but then must be followed by action(s). Anyone of you might have met capable colleagues in the areas

indicated above that might be willing to work with us to extend thermophysics activities in other regions. Since the number of IOC members is by necessity a limited one, some care in making proposals is necessary. Ideally the best candidates should be both good scientists and good organizers, with already established roots and contacts in their thermophysics communities. A willingness and interest to actively work with other scientists in promoting thermophysics, possibly for a reasonable length of time, should be mandatory.

The IOC Secretariat and this Newsletter will be open to anyone with ideas and proposals on the matter.

Francesco Righini



Toward ECTP 2011

The 19th European Conference on Thermophysical Properties (ECTP) is scheduled to take place at the Aristotle University of Thessaloniki (Greece) on August 28 – September 1, 2010. It will be organized by the Laboratory of Thermophysical Properties & Environmental Processes of the Chemical Engineering Department, with the help of people from other departments and universities in Greece.

The objective of the conference is to provide a forum for academic and industrial researchers to meet and exchange valuable experiences in the field of thermophysical properties of a

wide variety of systems covering fluids and solids. The conference will concentrate mainly on measurement, theory and modeling of the following properties and materials.

Properties: thermal conductivity, diffusivity, electrical conductivity, viscosity and non-Newtonian properties, mass-diffusion and thermo-diffusion, optical and radiative properties including emissivity, reflectivity and absorptivity, solubility, phase equilibrium including liquid - solid, calorimetric and volumetric properties, speed of sound, interfacial properties including solid-solid and wettability, ...

Materials: metals and alloys, ceramics, glasses, composites, multi-functional materials, superconductor, insulation materials, porous materials, granular and thin-film materials, foams, gels, emulsions, soft materials, nano-materials, near critical and super critical fluids, polymers, food and biomaterials, environmentally friendly fluids, aqueous systems, petroleum fluids, ionic liquids, molten salts,...

Special focus on: measuring techniques (including methodology of data evaluation and prediction) and engineering applications (polymerization, casting, sintering, plasma spraying, distillation, refrigerant techniques, thermoelectric cooling, insulation structures in civil engineering, ...), standard data and standard substances.

The conference will include invited lectures, oral presentations, poster sessions and workshops on specialized topics. The ECTP Award for lifetime achievements and the ECTP-Netzsch Young Scientist Award will be presented during the event. An exhibition of scientific equipment will also be held during the conference.

The event will be held at the end of August when the academic year has not yet started. Thessaloniki is the second largest Greek city, with about 1,000,000 inhabitants, situated in the north of the country. Thessaloniki founded by Cassander and named after the sister of Alexander the Great, incorporates religions, customs and traditions in its culture. Conquered or conqueror, it has been for centuries a magnet for those who prized it for

its location, its links with the sea and the routes which joined it, as they still do, to other worlds, weaving the wool of its multi-cultural past. Pointers to this succession of cultures are the finds of the Macedonian tombs, the structures of the palace complex of the Emperor Galerius on the Via Egnatia, the skillfully-wrought mosaics and wall-paintings of the Byzantine churches, the majesty of the fortifications, the alleys and houses of the Old Town, the Ottoman bath-houses and mosques, the imposing public buildings and the Neo-Classical mansions. Traces of antiquity, Hellenistic finds, Roman remains, Byzantine and Ottoman monuments, modern architecture: all together features of a city at once outstanding and important.

Thessaloniki is easily accessible by air with many daily direct flights from all European cities. Accommodation of various levels can be arranged at reasonably priced hotels. A list of hotels available in the city will be posted on the web site of the conference

<http://19ectp.cheng.auth.gr>

Finally we note that the abstract submission date is January 31, 2011.

We look forward to meet again all of you in Thessaloniki in August 2011.

*For the Local Organizing Committee
Marc J. Assael*



High Temperatures High Pressures Re-launch

After a long silence, “High Temperatures – High Pressures“ was re-launched under new management in 2008. Old City Publishing is the new publishing house, whereas Ivan Egry and Jean-Francois Sacadura were appointed as the Editors-in-Chief. Since then two volumes, vol 37 and 38, four issues each, have been successfully published, and presently the first issue of vol 39 is under preparation. Apart from individual submissions, the journal has

published proceedings of a number of international conferences devoted to thermophysical properties research. This included the 8th Asian Thermophysical Properties Conference, Japan, the 8th International Workshop on Subsecond Thermophysics, Russia, the 19th International Congress of Mechanical Engineering of ABCM, Brasil, and the 18th European Conference on Thermophysical Properties, France. HTHP will continue covering these important conference series.

The newly appointed editors implemented an on-line submission and refereeing system, which, after a transition period, is now hosted at journals.sfu.ca/hthp/index.php/hthp/index

With this electronic tool, the turnaround time between submission and publication should be considerably shortened. The journal's homepage also contains a section with recent announcements relevant to the thermophysics community.

Due to the long hibernation period of the journal (from 2003 to 2008), the bibliographic indexing services had ceased to list HTHP. Thanks to the re-established steady publication scheme, SCOPUS has resumed indexing HTHP; negotiations with Thomson-Reuters, regarding inclusion in Journal Citation Reports, are ongoing.

In future issues HTHP plans to include a series of reviews devoted to the activities of national metrological institutes.

Ivan Egry, Jean-Francois Sacadura
Editors-in-Chief, High Temp High Press

IOC News

Comments. Comments and suggestions regarding all the Newsletter items are welcome. Please send the material via email to f.righini@inrim.it