

*To the members of the IOC
of the ECTP*

Dear Colleagues,

welcome to the yearly issue of the ECTP Newsletter, that keeps us in contact and informed in between IOC meetings.

The main article of this issue is a presentation of the 20th ECTP to be held in 2014. Forty-seven years have passed since the first ECTP held in 1968 in Baden-Baden, Germany. In relation to this significant number I think it is important for all of us to share some thoughts on the past and on the future of the ECTP:

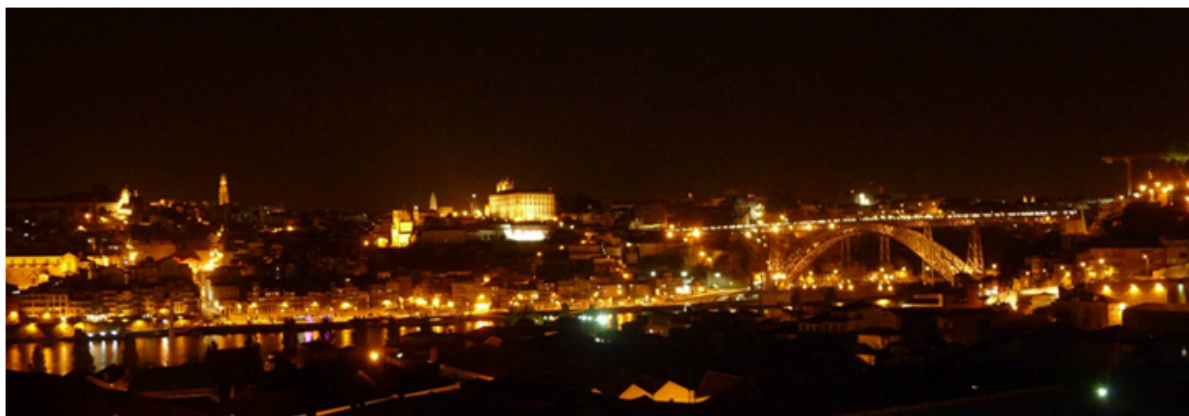
- a) we should be thankful to the founders, who are no longer with us, for their vision in establishing an event now reaching its 20th edition
- b) the first generation of IOC members, who were also the Organizers of the initial ECTP editions, established strong relations with the journal High Temperatures High Pressures that published the ECTP Proceedings up to the early 2000s. All the first generation members have retired and some of them are no longer with us
- c) the second generation of scientists that took over the event responsibility during the 1990s is now on the verge of retirement after having supervised and organized the event in the last 20 years
- d) it is up to our younger colleagues, the third generation, to continue in improving and adapting the event to the changing environment and to the new challenges facing thermophysics

The proper time has probably come to put on record the ECTP history, using a format unrelated to the effort of single persons. A well thought website, regularly updated, seems currently the best way to keep memories of the past and help us to look into the future. It is a job and a challenge for the younger generation of IOC Colleagues!!

Francesco Righini

ECTP 2014

European Conference on Thermophysical properties



ECTP 2014

The 20th European Conference on Thermophysical Properties (ECTP) will take place at the Faculty of Science, University of Porto, Portugal, from August 31 to September 4, 2014. ECTP 2014 is one of the most important scientific meetings related to thermophysical properties held in Europe. The event will be organized by the thermophysical research groups from the University of Porto and the University of Aveiro.

The main goal 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 both fluids and solids.

The conference will include invited lectures, oral presentations, flash 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. The conference will also include an exhibition of scientific equipment.

The conference will focus on 3 main topics:

- **Energy (Production, Storage, Transport);**
- **Electronic Materials;**
- **Ionic Liquids.**

and be concerned 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 radiation 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.

CONTACT & FURTHER INFORMATION

Detailed information about the conference may be found at: <http://ectp2014.fc.up.pt/index.html>

IMPORTANT DATES

Abstract Submission: February 28, 2014

Notification of acceptance: April 31, 2014

Early Bird Deadline: June 16, 2014

City of Porto

Porto is the second largest Portuguese city with about one million inhabitants, and one of the major urban areas in Southern Europe. Located along the Douro river estuary in northern Portugal, Porto is one of the oldest European centers. Its settlement dates back many centuries, when it was an outpost of the Roman Empire. Its Latin name, *Portus Cale*, has

been referred to as the origin for the name Portugal.

The Douro Valley and the historical center of Porto are UNESCO World Heritage regions. The Douro Region has been producing wine for some 2,000 years and its landscape has been molded by human activities. The components of the landscape are representative of the full range of work activities associated with winemaking - terraces, *quintas* (wine-producing farm complexes), villages, chapels and roads.

Web information about the Douro Valley:

<http://whc.unesco.org/en/list/1046>

<http://www.dourovalley.eu/en/>

Web information about Porto:

<http://whc.unesco.org/en/list/755>

<http://player.vimeo.com/video/21698583>

<http://www.visitporto.travel/>

We look forward to meet again all of you at the ECTP 2014 in Portugal.

The Local Organizing Committee

Luís M. N. B. F. Santos

João A. P. Coutinho

IOC News

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