

To the members of the IOC of the ECTP

Dear Colleagues,
welcome to our yearly contact. Spring has already arrived. We look forward to see you all in Graz again.

The main topic of this issue is a presentation of the forthcoming ECTP 2017, by its Chairman Professor Gernot Pottlacher. The event will take place in Graz, Austria, on September 3-8, 2017.

IOC Secretariat:
Marc J. Assael
Francesco Righini



ECTP 2017 **21st European Conference on Thermophysical Properties**

Graz, Austria, September 3-8, 2017

The 21st European Conference on Thermophysical Properties (ECTP) will take place at TU – Graz from 3rd to 8th September 2017. It is organized by the Group of Thermophysics and Metal Physics of the Institute of Experimental Physics at TU-Graz, with the help of ÖGI Leoben and of AIT, Vienna. After the deadline for abstract submission, a summary of current activities is reported below.

1. Analysis of Submissions

Oral contributions. We accepted 216 abstracts for oral contributions (see Table 1). Authors were informed of the final decision regarding their presentation format by 26th of April.

Due to the large number of proposed oral presentations, there are 5 parallel sessions (once increasing to 6 parallel sessions). The time for oral contributions will be strictly limited to 15 minutes for the presentation and 5 minutes for the discussion!

Table 1. Accepted Abstracts

Topic	Oral	Poster
Biomaterials	0	1
Emittance, Emissivity	10	2
Engeneering applications	6	11
Equation of state	4	5
Fluids and properties fluids	46	35
Instrumentation and meas. techniques	25	11
Ionic liquid and properties	13	13
Materials	8	6
Nanomaterials	7	3
New measuring techniques	5	1
Optical and thermal radiative prop.	4	0
Phase equilibria	20	19
Photothermal and photoacoustic prop.	3	2
Properties for materials at high temp.	24	5
Solids and properties of solids	6	5
Standard data and standard materials	6	0
Thermal insulation	3	2
Theory and modelling	15	11
Invited presentations	6	
Plenary lectures	3	
Young Scientist Award lecture	1	
	216	132

As we want to encourage the discussion, we ask you to keep to the allotted time. In relation to the large number of parallel presentations, Session Chairs will strictly enforce timing.

Poster contributions. We accepted 132 abstracts for poster contributions (see Table 1). Authors were informed of the final decision regarding their presentation format by 26th of April. The poster format will be A1 (594 mm wide×841 mm height).

The posters must be mounted at the beginning of the conference and taken off at the end of the conference. All the posters will be displayed together in the same location (a map for the location of posters within the three story atrium with a glass roof will be provided). Attendees will be encouraged to look at the posters on two specific poster sessions, one on Monday and one on Tuesday. Material to fix your poster like adhesive tape or pins will be provided by the organizers.

The geographical distribution of all authors appearing in the submissions is shown in Table 2. The large participation from Japan and P.R. China is very encouraging and promising.

Table 2. Geographical Distribution of Authors

Country	Authors	Country	Authors
Algeria	4	Italy	8
Arab Emirates	1	Japan	53
Australia	1	Malaysia	1
Austria	10	Mexico	6
Belgium	6	Poland	8
Brazil	5	Portugal	20
Canada	5	Russia	16
China	44	Sweden	1
Czech Republic	11	Serbia	1
Egypt	1	Slovakia	4
France	11	Spain	12
Germany	52	South Africa	2
Great Britain	12	South Korea	12
Greece	2	Turkey	2
Hungary	2	Ukraine	1
India	3	USA	16
Iran	1		
33 Countries			334

2. Preliminary program.

A tentative program is shown in Table 3. Please note that it is a very preliminary version to be updated frequently. Most recent version at <https://ectp2017.tugraz.at/files/ECTP-schedule.pdf>

The conference will take place mainly in the physics building. The postal address Petersgasse 16 8010 Graz. Three sessions will be in other buildings close by. Please consult the homepage “venue” <https://ectp2017.tugraz.at/?s=venue> Please consult the indicated pages frequently for updates. Maps of the different floors of these buildings will be available there, as well as a site plan and details about the public transport network.

Important note. Upon registration at the conference website, you will get a 4 day ticket for public transport. It will be valid for 4 days after the first use.

The Registration and Welcome Reception are on Sunday, September 3rd. Location: on the ground floor of the physics building, there will be signs to take you to the registration desk. Coffee breaks will be on the first floor in front of the main lecture hall P1, from Monday to Thursday. Lunch will be in buffet style on the ground floor.



Schloss Eggenberg (<https://www.graztourismus.at>)

A visit to Castle Eggenberg is planned for Wednesday afternoon, including a visit to the clock tower. You are also welcome to join one of the guided city-walks. Use the public transport card to reach the different locations. Exact plans and time schedules will be available later on.

Everybody is welcome to the conference dinner in the Grazer Congress Stephaniensaal (Sparkassenplatz 1, 8010 Graz) on Wednesday evening, 19:00. The Lifetime Award presentation will take place during the dinner. Do not miss it!

The preliminary program shows all the scientific sessions. There will be three plenary lectures and six invited lectures.

The Young Scientist Award Ceremony will take place on Thursday after the plenary talk.

Important Deadline. End of early-bird registration is on 31 May 2017

Please visit: <https://ectp2017.tugraz.at/> frequently for updates and more information.

We are looking forward to see all of you in Graz!

For the Local Organizing Committee
Gernot R. Pottlacher



Schlossberg Uhrturm (<https://www.graztourismus.at>)

Plenary Lectures & Invited Talks

Plenary lectures

Christof Gaiser

Physikalisch-Technische Bundesanstalt Institut Berlin,
Germany

“New SI” - Temperature and the Boltzmann constant

Andreas Mandelis

Center for Advanced Diffusion-Wave and Photoacoustic
Technologies (CADIPT),
Dept. of Mechanical and Industrial Engineering,
Univ. of Toronto, Canada

*Photothermal Coherence Tomography: Principles and
Applications of a New Thermophysics-Based Three-
Dimensional Imaging Methodology*

Wolfgang Schützenhöfer

Department Testing Laboratories,
BÖHLER Edelstahl GmbH & Co KG, Kapfenberg, Austria
*Numerical Simulation as an Optimization Tool
at a Special Steel Producer (Böhler Edelstahl)*

Invited talks

Boris Wilthan

Thermodynamics Research Center,
Material Measurement Laboratory, ProTiro @ National
Institute of Standards and Technology, Boulder CO, USA
*A free online NIST/TRC Resource for Thermophysical
Property Data of Metals and Alloys*

Douglas M. Matson

Tufts University, Medford MA, USA
*In-Situ Property Measurement for Selection and
Control of convection in EML Space Experiments*

Hiroyuki Shibata

IMRAM, Tohoku University, Sendai, Japan
*Thermal diffusivity measurement for metallic and oxide
glasses using a laser flash method*

Michal Fulem

University of Chemistry and Technology,
Prague, Czech Republic
*Thermodynamic properties and phase behavior of
molecular crystals – theory and experiment hand in
hand*

Manuel J Monte

University of Porto, Portugal
*Estimation of phase transition properties of
halogenated benzenes*

Table 3. Preliminary program

ECTP 21 st European Conference on Thermophysical Properties Graz, Austria, September 03 - 08, 2017							
	Saturday 02.09.	Sunday 03.09.	Monday 04.09.	Tuesday 05.09.	Wednesday 06.09.	Thursday 07.09.	Friday 08.09.
08:00			Registration	Registration	Registration	Registration	
09:00	Satellite Meetings		Opening Ceremony	Invited Monte Invited Matson	Plenary Lecture MANDELIS	Plenary Lecture SCHÜTZENHÖFER	Satellite Meetings
			Plenary Lecture GAISER	Invited Shiflett Invited Wilthan	Coffee	Young Scientist Award	
10:00			Invited Fulem Invited Shibata	Coffee		Coffee	
11:00			Oral Session 1 6 Talks	Oral Session 3 8 Talks	Oral Session 5 9 Talks	Oral Session 6 7 Talks	
12:00		IAPT Meeting (members only)	a b c d e	a b c d e	a b c d e	a b c d e	
13:00			Lunch Buffet	Lunch Buffet	Lunch Buffet	Closing Ceremony	
14:00			Posters & Coffee	Posters & Coffee			
15:00					Citywalk, Castle Eggenberg, see the Clocktower before the Conference Dinner		
16:00			Oral Session 2 8 Talks	Oral Session 4 8 Talks		Satellite Meetings	
17:00		Registration Desk opens					
18:00		Welcome Reception	a b c d e	a b c d e			
19:00					Conference Dinner		

ECTP 2020

Venice, Italy, September 14-17, 2020

The conference will be organized by the AIPT-Italian Society for Thermophysical Properties, EELab-Energy Efficiency Laboratory, and CNR-ITC Padova at San Servolo Island, Venice, Italy.
Chairman: Professor Alberto Muscio



***thermophysical
propertiesconferences
.com***

Following the discussion during the IOC meeting in Porto 2014, a site created by Marc J. Assael, aiming to collect public information on the

- European Conference on Thermophysical Properties (ECTP)
- Asian Thermophysical Properties Conference (ATPC), and
- Symposium on Thermophysical Properties (STP).

The site aims to keep the history of these conferences alive, and inform the users of forthcoming events. If you have any photograph from previous conferences, please help to improve the public record by sending them to Marc J. Assael (assael@auth.gr).

For any error, please contact Marc J. Assael.