



HTC 2022

10th International Conference on HIGH TEMPERATURE CAPILLARITY
12-16 September, 2022, Krakow, Poland

About HTC2022

As previously well-established HTC conferences, the 10th International Conference on **HIGH TEMPERATURE CAPILLARITY** aims at issues related to surfaces and interfaces, wetting and capillarity in materials themselves as well as in materials processing and operating at elevated temperatures, including the following tasks:

Liquid surfaces of metals, glasses and salts. Surface energy and adsorption. Metal/metal, metal/ceramic, metal/glass and ceramic/ceramic interfaces: wettability, adhesion, interfacial reactions, segregation, grain boundary wetting and intergranular films. Capillarity in microgravity. Capillarity in nano-science and nano-technology. Marangoni phenomena. Corrosion and embrittlement by liquid metals. Advances in measurement techniques. Modelling and simulation. Materials processing by liquid-assisted techniques: crystal growth, synthesis of metal-matrix and ceramic-matrix composites, metallurgical and metalcasting processes, additive manufacturing, joining dissimilar materials.

International Scientific Committee

- Simeon Agathopoulos, Greece (Chair)
- Jürgen Brillo, Germany
- George Kaptay, Hungary
- Joonho Lee, South Korea
- Taishi Matsushita, Sweden
- Javier Narciso, Spain
- Yuriy Plevachuk, Ukraine
- Eugen Rabkin, Israel
- Ping Shen, China
- Natalia Sobczak, Poland
- Boris Straumal, Uzbekistan
- Toshihiro Tanaka, Japan
- Fabrizio Valenza, Italy

Call for papers

The Conference will consist of invited and contributed papers. Abstracts of up to 300 words are to be submitted. Post-conference full-length manuscripts will be reviewed and those accepted will appear in a special issue of the Journal of Materials Engineering and Performance (Springer).

Important dates

Submission of Abstracts*	- from February 15, 2022	Late fee registration	- after June 15, 2022
Scholarship for young scientists	- May 31, 2022	Welcome reception party	- September 12, 2022
Deadline for Abstracts	- June 05, 2022	Conference opening	- September 12, 2022
Abstracts acceptance	- June 05, 2022	Conference closing	- September 16, 2022
Early fee registration	- June 15, 2022	Full text papers	- October 15, 2022

*Each registered participant can submit up to two abstracts for either oral+poster or two posters.

Fees

	Early fee until June 15	Late fee after June 15	HTC2022+TOFA2022
Regular	650 €	700 €	+100 €
Student	350 €	400 €	+100 €
Accompanying person	150 €	250 €	-

NOTE: Exceptionally, **HTC2022** will be held in parallel to **TOFA2022** Conference (<http://tofa2022.pl>) giving both communities an opportunity to get together and discuss scientific problems of mutual interest.

Location

The conference will be organized by the Institute of Metallurgy and Materials Science of Polish Academy of Sciences. It will be held at the Novotel Krakow City West Hotel in Krakow, Poland. Krakow is easily accessible by air, car and train. For more information, please visit the conference website: <http://htc2022.pl/>

Contact

Professor Natalia SOBCZAK (Chairperson)
Institute of Metallurgy and Materials Science
of Polish Academy of Sciences
htc2022@imim.pl ; n.sobczak@imim.pl

HTC2022 Office
For questions concerning registration,
accommodation & other organizational items:
registration-htc2022@imim.pl

<http://htc2022.pl/>