

- 5th Int'l Conf on Thermal Process Modelling and Simulation
- Aichelin Young Speaker Award

5th International Conference on Thermal Process Modelling and Computer Simulation



<https://hdtoip.fsb.hr/>

08 – 12 September 2020
Dubrovnik – Cavtat, Croatia

IFHTSE member associations CSHTSE (Croatian Society for Heat Treatment and Surface Engineering) and SSHT (Slovenian Society for Heat Treatment) jointly organise the 5th International Conference on Thermal Process Modelling and Computer Simulation (ICTPMCS). The language of the Conference is English.

With increasingly powerful computers and advanced mathematical tools, scientists and engineers can now carry out more and more detailed and comprehensive materials/processes simulation.

Abstract submission

open!

Important Dates

Abstract submission

mailto:hdtoip.fsb.hr

2nd Announcement

Notification of Acceptance

Paper Submission

December 31, 2019

January 31, 2020

February 1, 2020

May 31, 2020

The conference will mainly deal with the modelling and simulation of different heat treatment and surface engineering processes such as quenching, tempering, high energy density heat treatment (e.g. induction, LASER, electron beam), thermochemical treatment (carburising, carbonitriding, nitrocarburising), and coatings (Chemical vapour Deposition – CVD or plasma assisted CVD, Physical Vapour Deposition – PVD). The focus is on metallic alloys, but contributions of other materials (polymers, ceramics, composites) are also of interest to this conference. The aim of the conference is to bring together specialists in modelling and numerical simulations in material science to discuss the state of the art from both theoretical and practical viewpoints.

The first conference in the series was held in Shanghai (China) in 2000, the second in Nancy (France) in 2003, the third in Budapest (Hungary) in 2006 and fourth in Shanghai (China) in 2010.



Aichelin Young Speaker Award

This award, first given at the 3rd International Conference on Heat Treatment and Surface Engineering in Automotive Applications 2016 in Prague, is set to be given at an IFHTSE conference in Europe, but not, however, at the IFHSE Congress. The award will be given every year in which IFHTSE holds an appropriate conference. It is endowed with the sum of 1500€.

The next conferences with this award are the ICTPMCS in Dubrovnik – Cavtat, Croatia, 08 – 12 September 2020, and the 2nd QDE - International Conference on Quenching and Distortion Engineering, in Bremen, Germany, 26-28 April, 2021.

The award will be given for the best talk

- by a speaker under 35 years of age on the 1st day of the conference
- on an issue of high scientific or commercial relevance
- with implication for the industrial practice
- in a clear and comprehensible fashion
- accompanied by concise and plausible visualization
- with poised and competent answers to any questions from the audience.

Applicants need to state their date of birth at the submission of their abstracts.

The jury consists of one person each named by Aichelin, IFHTSE, and the organiser of the conference.









AICHELIN Group of Mödling, Austria, is an international group of companies with the four Business Divisions of Industrial Furnace Solutions, Induction Technology, Combustion Technology, and Global Services. Further brand names are AFC-Holcroft, Bosio, EMA Indutec, Noxmat, and Safed.

Herwig Altena of Aichelin congratulating Maximilian Walter of Ruhr-Universität Bochum, Germany, for the 1st Aichelin Young Speakers Award in 2016



All member associations are invited to submit their conferences in English language to be featured here!

Forthcoming Conferences

2020	MAR	5-7	6th Asian Conference on Heat Treatment and Surface Engineering	Chennai	India	http://6achtse.org	
2020	MAR	25-27	European Conference on Heat Treatment	Antwerp	Belgium	https://www.a3ts.org/echt2020/call-for-papers/	
2020	JUN	3-5	4th Mediterranean Conference on HTSE	Istanbul	Turkey	http://mchtse2020.com	
2020	JUN	14-18	6th International Conference on Steels in Cars and Trucks	Milan	Italy	https://www.sct-2020.com/	
2020	SEP	14-17	International Materials Applications & Technologies	Cleveland	USA		
2020	SEP	8-12	5th International Conference on Thermal Process Modelling and Simulation (ICTPMS)	Cavtat-Dubrovnik	Croatia	https://hdtoip.fsb.hr/	
2020	OCT	20-22	Härterei-Kongress [languages: German/English]	Cologne	Germany	http://www.awt-online.org/haertereikongress.html	
2020	OCT	28-30	4th Int'l Conference on HTSE of Tools and Dies	Hangzhou	China	http://www.htse-td.com/htse-td/index.shtml	
2021	APR	26-28	European Conference on Heat Treatment and 2nd QDE - International Conference on Quenching and Distortion Engineering	Berlin	Germany		
2021	OCT	26-28	Härterei-Kongress [languages: German/English]	Cologne	Germany	http://www.awt-online.org/haertereikongress.html	
2021	NOV	23-25	27th IFHTSE Congress	Yokohama	Japan		
2022			28th IFHTSE Congress and European Conference on Heat Treatment	Salzburg	Austria		