

ICTPMS 2020

5th International Conference on Thermal Process Modelling and Simulation



08 – 12 September 2020
Dubrovnik – Cavtat, Croatia

First Announcement



CSHTSE

Croatian Society for Heat Treatment and Surface Engineering



SSHT

Slovenian Society for Heat Treatment



IFHTSE

International Federation for Heat Treatment and Surface Engineering

Main Topics

The following topics are included:

- New developments in numerical methods and techniques
- Mechanical, microstructural, and physical characterization
- Experimental validation of models and numerical simulations of material processes
- Modelling and simulation of material processing
- Thermal processing of materials and its mathematical modelling
- Optimization of material properties
- Optimization of heat treatment and surface engineering
- Optimization and characterization of material processing
- Casting and its mathematical modelling and computer simulation
- Computer simulation of whole processes
- Additive technology and virtual material processing
- Advanced methods and tools for computer integrated processing of materials
- Application of computer simulation in industry
- Application of Nature-Inspired algorithms and Artificial Intelligence techniques on Heat Treatment Operations

Sponsors and Exhibitors

The companies have the opportunity to present their activities and equipment or sponsor the conference and its social events. The presentation in the form of a poster (500 €) or exhibition booth of up to $3 \times 3 \text{ m}^2$ (1500 €) are available. The price for the exhibition booth includes full conference registrations plus full attendance list. The Exhibitions will be organized in front of the main lecture hall. The companies that deciding for a sponsorship have the option to include promotional material in the conference pack, show the company logo in the conference material and conference webpage and present company. All interested sponsors and exhibitors are welcome to contact the Organizer or visit the conference webpage for application forms and more information.

Important Dates

Abstract submission	December 31, 2019
2 nd Announcement	January 31, 2020
Notification of Acceptance	February 1, 2020
Paper Submission	May 31, 2020
Registration from (hdtoip.fsb.hr)	December 31, 2019
Late Registration	September 1, 2020

Abstract Submission

Abstract including Title, Authors with affiliations, up to five key words, indication of main research field up to 500 words (up to one page), should be submitted electronically, using the conference web page: hdtoip.fsb.hr.

Conference Fee

Regular registration fee	800 €
Authors registration fee	600 €
Young scientist and Students	250 €
Accompanying person	200 €

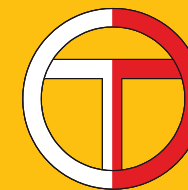
Secretariat

CSHTSE

Croatian Society for Heat Treatment and Surface Engineering
Ivana Lučića 1
10000 Zagreb
Croatia

Email: bozidar.matijevic@fsb.hr
hdtoip@fsb.hr

Url: hdtoip.fsb.hr



Committees

Chairman Božo Smoljan, Croatia

Co-Chairman

Imre Felde, IFHTSE	Massimo Pellizzari, AIM
Stefan Hock, IFHTSE	Bojan Podgornik, SSHT
Božidar Matijević, CSHTSE	

International Advisory Committee

Thomasz Babul, Poland	Michiharu Narazaki, Japan
Lauralice F. C. Canale, Brasil	David Nolan, Australia
Rafael Colas, Mexico	Narayan Prabhu, India
Sabrina Denis, France	Tomás Réti, Hungary
Imre Felde, Hungary	Mario Rosso, Italy
Lynn Ferguson, USA	Serguei V. Savilov, Russia
Maurice Grech, Malta	Reinhold Schneider, Austria
Janez Grum, Slovenia	Wei Shi, China
Jianfeng Gu, China	Cane Simsir, Turkey
Sture Hogmark, Sweden	Richard Sisson, USA
Tatsuo Inoue, Japan	Wojciech Sitek, Poland
Patrick Jacquot, France	Heinz-Joachim Spies, Germany
Monika Jenko, Slovenia	Paul Stratton, UK
Xu Kewei, China	Georg Totten, USA
Zoltan Kolozsváry, Romania	Eva Troell, Sweden
Young-Kook Lee, Korea	Ning Yu, China
Božidar Liščić, Croatia	Rolf Zenker, Germany
Thomas Lübben, Germany	Hans-Werner Zoch, Germany

International Program Committee

Georg Totten, USA, Chairman	Darko Landek, Croatia
Željko Alar, Croatia	Vojteh Leskovšek, Slovenia
Zdenka Zovko Brodarac, Croatia	Thomas Lübben, Germany
Franjo Cajner, Croatia	Peter Panjan, Slovenia
Imre Felde, Hungary	Massimo Pellizzari, Italy
Tomislav Filetin, Croatia	Ivan Samardžić, Croatia
Mladen Franz, Croatia	Božo Smoljan, Croatia
Matjaž Godec, Slovenia	Mladen Stupnišek, Croatia
Dario Iljkić, Croatia	Sanja Šolić, Croatia
Alojz Kajinić, USA	Dražen Živković, Croatia
Ivica Kladarić, Croatia	

Organizing Committee

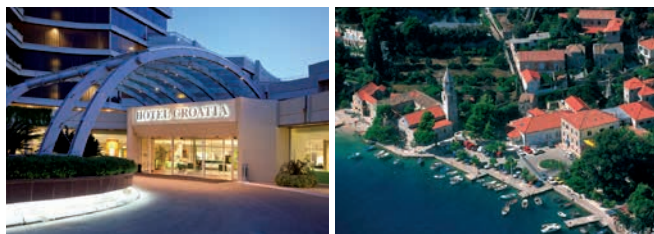
Božidar Matijević, Chairman	Darko Landek, Croatia
Dario Iljkić, Croatia	Andrijana Milinović, Croatia
Ivan Kumić, Croatia	Vedran Palfi, Croatia
Ivica Kladarić, Croatia	Matija Sakoman, Croatia
Željko Kostanski, Croatia	Sunčana Hanza Smokvina

Scope of the Conference

The 5th International Conference on Thermal Process Modelling and Computer Simulation (ICTPMCS) will be held from 08th to 12th September 2020 in Cavtat, Croatia. Official language of the Conference is English.

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

Due to increasingly powerful computers and advanced mathematical tools, scientists and engineers can now guide advanced materials/processes development perform on simulation. The conference will be mainly concerned with the modelling and simulation of different heat treatment and surface engineering processes like as quenching, tempering, high density heat treatment (e.g. induction, LASER, electron beam), thermochemical treatment (carburising, carbonitriding, nitro carburising), 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.



Accommodation

The 5th International conference on thermal process modelling and simulation will take place in the beautiful Adriatic town Cavtat – Dubrovnik, located on Dalmatian coast.

The accommodation is organised in Hotels Croatia and Supetar with special congressional prices.

Croatia Hotel is located in Cavtat at the very south of the Republic of Croatia, 18 kms from Dubrovnik and only 4 kms from Dubrovnik International Airport, 10 minutes walking distance from Cavtat. Croatia Hotel lies in an exceptionally beautiful position and secluded location on a peninsula overlooking the Adriatic on one side and the picturesque old town of Cavtat on the other. The world famous medieval walled city of Dubrovnik can be seen from some hotel terraces.

There are special rates for participants of the conference and accompanying persons, valid also for pre/post stay in hotel.



Hotel Croatia

Frankopanska 10
20210 Cavtat – Dubrovnik
Croatia

Phone: +385 20 475 555
Fax: +385 20 478 213

Email: info@hoteli-croatia.hr
Url: www.adriaticluxuryhotels.com/en/hotel-croatia-dubrovnik-cavtat