



ifhtse.org

International Federation for
Heat Treatment and Surface Engineering

Bulletin 2019 / 04

August 2019 no. 65

- 26th IFHTSE Congress in Moscow
- Lakhtin Lecture from new IFHTSE Medalist Marcel Somers
- 4th Int'l Conf on HTSE of Tools and Dies
- 5th International Conference on Thermal Process Modelling and Simulation

Register now for **THE** international event in Heat Treatment and Surface Engineering:

Final programme now
on the website

<http://26ifhtse.com/programme>

26th Congress IFHTSE

2019 / SEP 17-19

Moscow, Russia

Congress features Lakhtin lecture from new IFHTSE medalist Marcel Somers

A series of lectures in IFHTSE conferences is held to commemorate the work of Yuriy Mikhailovich Lakhtin, an outstanding Russian scientist in the field of thermochemical treatment who was one of the founders of the theory and practice of nitriding in Russia.



Marcel Somers

This tradition is continued this year with the newest Lakhtin lecture on Tuesday, 17 September 2019, 12:20, given by Prof. Marcel Somers of the Technical University of Denmark in Lyngby.



Y. M. Lakhtin 1910-1995

The title of the Lakhtin lecture is:

“Thermochemical surface engineering of stainless steels with interstitials;

Symbiosis of science, technology and innovation”

Thermochemical surface engineering of stainless steels with carbon and nitrogen atoms was originally considered bad practice, because these light elements would readily bind to chromium and thereby compromise the stainless character of the steel. The 80-ies and 90-ies of the previous century saw the introduction of low and high temperature routes for thermochemical surface engineering of stainless steels with nitrogen and carbon, without the formation of chromium carbides/nitrides. These routes are currently known as low temperature surface hardening (LTSH) and high temperature solution nitriding (HTSN), respectively. The present contribution addresses the scientific understanding, the technological feasibility and the innovative materials solutions related to dissolving interstitials in stainless steels. Prof. Somers’ research group has been active in the field of thermochemical surface engineering of stainless steels for the last 20 years and has combined experimental and numerical approaches to reach metallurgical understanding, technological feasibility and innovative materials solutions. The Lakhtin lecture highlights several of these scientific, technological and innovation achievements.

6th Asian Conference on Heat Treatment & Surface Engineering

March 05 – 07, 2020, Chennai, India

Last date for abstract submission:

Submission of final manuscripts:

~~31st July 2019~~

30th Nov 2019

Hurry up! Abstract deadline extended!
30th August 2019

Please send your abstracts to:

conf@6achtse.org

See the website <http://6achtse.org/> for exhaustive info

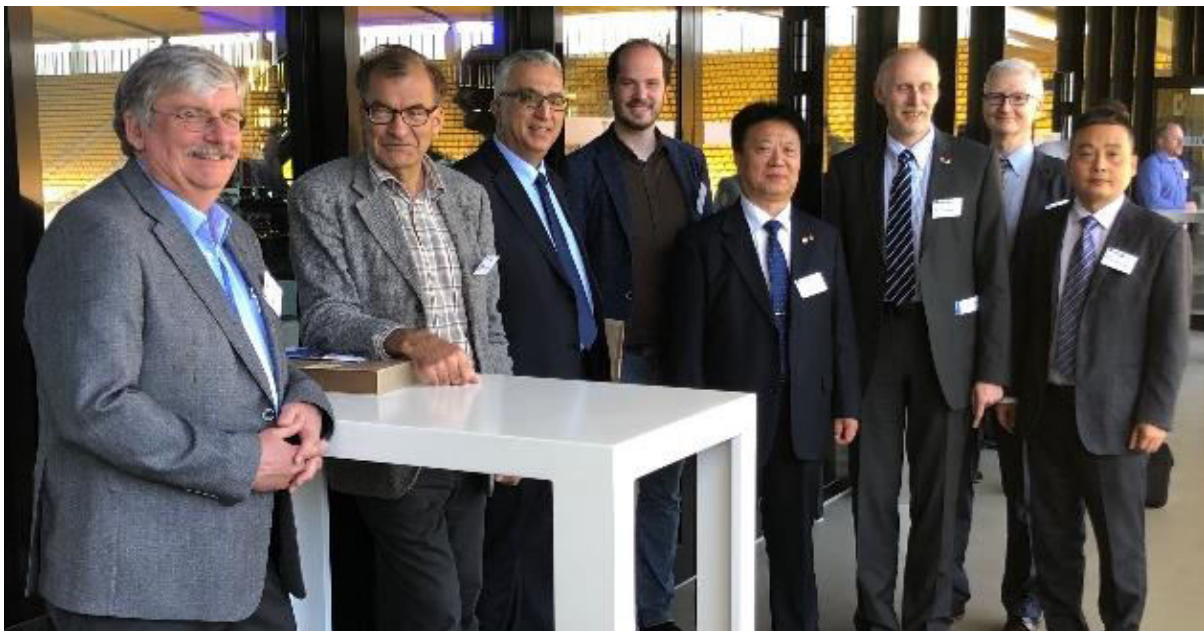
4th International Conf. on Heat Treatment and Surface Engineering of Tools and Dies

This conference is to be held by our member association CHTA in
Hangzhou, China, from October 28 to 31, 2020.

The location will be Liangzhu Dream Town, a high-tech hub housing dozens of innovative companies, next to the headquarters and Frontier Tech Research Center of Chinese internet giant Ali Baba.

The series of conferences on HTSE of Tools and Dies is held by IFHTSE member associations, alternately with the Tooling Conference series organised by the group of Austria's ASMET, Sweden's Jernkontoret, and Germany's VDEh, on mutual agreement and with reciprocal support.

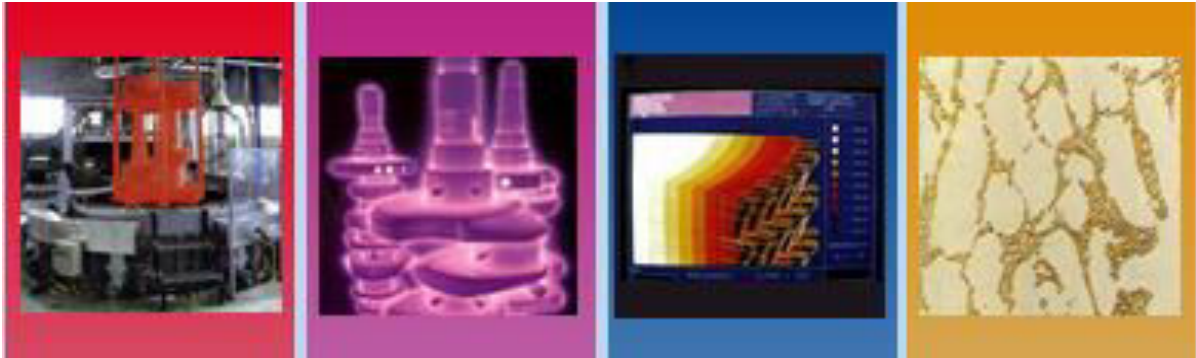
At the recent Tooling Conference in Aachen, Germany, delegates of the organisations involved met to discuss and agree on the schedule and appoint key committee members.



*Meeting to see to the next conferences on tooling and specifically on HTSE:
Messrs Wieland , VDEh, Germany; Hribernik, ASMET, Austria; Asnafi, Jernkontoret, Sweden; Keul, VDEh; Tong, CHTA President, China; Schneider and Pellizzari, IFHTSE; Lyu, CHTA Secretary General*

The deadline for submission of abstracts will be **April 30, 2020**

Further Info: <http://www.htse-td.com/htse-td/index.shtml>



5th International Conference on Thermal Process Modelling and Simulation

08 - 12 September 2020, Dubrovnik - Cavtat, Croatia

Due to increasingly powerful computers and advanced mathematical tools scientists and engineers can now carry out advanced materials/processes development based on simulation. The conference will be mainly concerned with the modelling and simulation of different heat treatment and surface engineering










processes such 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 regarding 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

More details coming soon!

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

Forthcoming Conferences

2019	SEP	17-19	26th IFHTSE Congress	Moscow	Russia	http://www.26ifhtse.com/	
2019	OCT	15-17	Heat Treat 2019		USA		
2019	OCT	22-24	HK 2019 [languages: German/English]	Cologne	Germany	https://www.hk-awt.de/	
2019	NOV	26-28	27th National Conference on Heat Treatment [languages: Czech/English]	Jihlava	Czech Republic	www.htconference.cz	
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	16-18	5th International Conference on Thermal Process Modelling and Simulation (ICTPMS)	Cavtat-Dubrovnik	Croatia		
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		