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International Federation for Heat Treatment and Surface Engineering

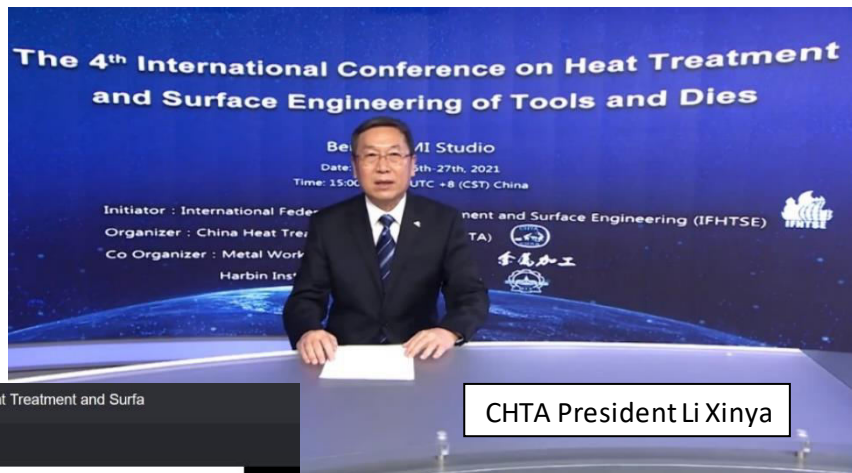
Bulletin 2021 / 02

- 4th International Conference on HTSE of Tools and Dies
- New IFHTSE Medalist
- Archive of past IFHTSE conferences now online
- One of the most influential people in The North American Heat Treating Industry

March 2021 no.77

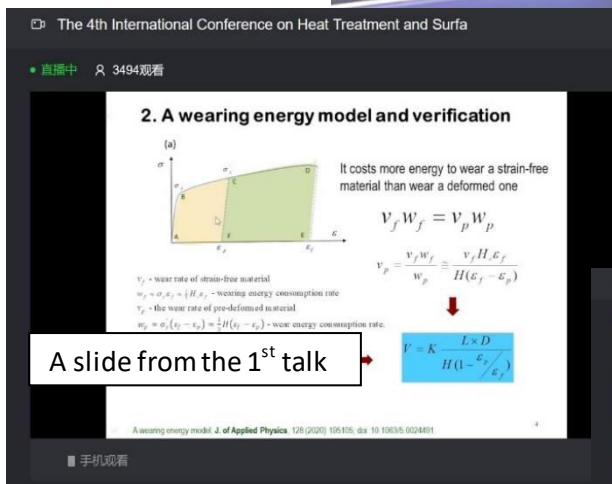
4th International Conference on HTSE of Tools and Dies successfully held online

This first online global IFHTSE conference was hosted by our member China Heat Treatment Industry Association (CHTA), and co-organized by



CHTA President Li Xinya

Harbin Institute of Technology and Metalworking Dept. CHTA President Li Xinya opened the confer-



A slide from the 1st talk

ence mentioning that the conference was originally planned to be held in Hangzhou in October 2020, but was rescheduled and moved online due to the pandemic.



Moderator Lihui Liu, CHTA

The online format had of course a strong impact on the event. The talks came in perfect video and audio quality so that they could be well followed. To make up

at least partly for the lack of personal interaction with the speakers, a chat function was available.

Compared to other conferences with physical presence, the most positive feature was the enormous number of participants. Not only did the attendees save time and money for travel, but there was also no attendance fee. The number of registered participants was over 370, larger than with the previous events of the series. But most striking was the count of entries into the virtual conference room which included also non-registered participants and counted a repeated entry of the same person each time. This number had risen to an amazing 16300 by the end of the conference, which shows that the talks had gained very widespread interest and the hard work of the authors was not in vain.

The conference was novel not only in presentation and participation but also in documentation: The recorded talks were collected as a kind of video proceedings volume and are available on the IFHTSE website for further reference and still wider attention. Here is the link:

https://www.ifhtse.org/events/conference-proceedings/Recorded-Talks-4th-HTSE_TD.php

While the whole scientific and technical community strongly regrets that we cannot meet in person, discuss and exchange experiences and opinions as we were used to, CHTA has done the best thing possible in the given circumstances: The papers and slides prepared for the originally planned event did not go down the hill and the results and innovations achieved since the last event of the series did not have to wait for publication until the end of the pandemic. The continuity of the series has been safeguarded, and we all hope that we can meet again in person at the

***5th International Conference on HTSE of Tools and Dies
in April 2023 in Hangzhou, China!***



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Membership

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- 📄 Dongyang-Li.mp4 38,48 MB
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IFHTSE Medal for Prof. John G. Speer

The Executive Committee has decided to award the IFHTSE Medal to Professor Jon G. Speer of the Colorado School of Mines in Golden, CO, USA.

The citation reads:

“FOR HIS LIFE-TIME ACHIEVEMENT IN PHYSICAL METALLURGY, DEVELOPMENT AND HEAT TREATMENT OF ADVANCED STEEL CONCEPTS FROM THEORY TO PRACTICAL APPLICATION, WITH PARTICULAR FOCUS ON HIS LEADING ROLE IN THE DEVELOPMENT OF THE QUENCHING AND PARTITIONING PROCESS”

John G. Speer combines excellent academic work with a close relationship to industrial partners and practical application of his findings. The core of his industrial and academic research activities are advanced heat treatment processes based on a deep understanding of physical metallurgy in combination with advanced alloy concepts. This approach which comprises both process and material is recognized worldwide as a milestone in the development of new steels and their applications. He was among the initiators and is the leading driving force for the development of the Quenching and Partitioning Process, which is certainly one of the major advancements for heat treatment in recent years.



John G. Speer

John G. Speer is the John Henry Moore Distinguished Professor of Physical Metallurgy at Colorado School of Mines, and Director of the Advanced Steel Processing and Products Research Center (ASPPRC). He received a B.S. degree from Lehigh University in Metallurgy and Materials Engineering, in 1980 and a D.Phil. in Physical Metallurgy from the University of Oxford, UK in 1983. He served in various positions at the Homer Research Laboratories of Bethlehem Steel Corporation from 1983-1997, where he was involved in product research, customer and operations support, and research management. He became a Professor in the Department of Metallurgical and Materials Engineering at Colorado School of Mines in 1997, and has also served as Mines' Associate Vice-President for Research from 2008 until he became Director of ASPPRC in 2013.

He has received a number of awards such as the AIST Tadeusz Sendzimir Medal and Hunt-Kelly Award, American Iron and Steel Institute Gold Medal, Institute

of Materials Charles Hatchett Award, AWS William Spraragen Memorial Award, SAE/AISI Sydney H. Melbourne Award, Villares Prize of ABM (Brazil), Dean's Excellence Award for Teaching and Research-Colorado School of Mines, and the Henry Bessemer Gold Medal from IOM3 in London. John is also a Distinguished Member of AIST and a Fellow of ASM International.

With the medal for Prof. J. G. Speer we follow the tradition to honour excellent work in the field of physical metallurgy for heat treatment like we did with the earlier IFHTSE medals for Prof. G. Krauss (2007), Prof. T. Maki (2008), and Prof. H. K. Bhadeshia (2015).

Archive of past IFHTSE conferences now available online

The IFHTSE website is continuously being amended and improved. Beyond up-to-date info on the present, it shall also become an archive on the past.

Recently, we have completed the collection of all our material available in digital form on past IFHTSE conferences. Please visit:

<https://www.ifhtse.org/events/conference-proceedings/>

Of conferences going back into the nineties, we show 25 programmes, 5 proceedings volumes, 8 content tables of proceedings, 5 abstracts booklets, and three external links to the published papers.

The collection is still not complete – we appreciate further contributions from our readers to: info@ifhtse.org!

Rob Goldstein honoured





Rob is Executive Director of Product Development and Strategic Planning of our member company Fluxtrol. Recently, a survey by the magazine “The Monty” counts him among “The 30 Most Influential People in The North American Heat Treating Industry”.

For details see: <https://themonty.com/project/auto-draft/>

IFHTSE congratulates warmly!

Forthcoming Conferences

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

2021	APR	26-28	European Conference on Heat Treatment and 2nd QDE - International Conference on Quenching and Distortion Engineering	online	Germany	www.echt-qde-2021.de	
2021	SEP	8-10	4th Mediterranean Conference on HTSE	Istanbul	Turkey	http://mchtse2020.com	
2021	SEP	5-9	6th International Conference on Steels in Cars and Trucks	Milan	Italy	https://www.sct-2020.com/	
2021	SEP	13-16	International Materials Applications & Technologies	St. Louis	USA	https://www.asminternational.org/web/imat	
2021	SEP/ OCT	29-1	14th HTS Int'l Exhibition and Conference	Mumbai	India	https://www.htsindiaexpo.com/	
2021	OCT	26-28	HK	Cologne	Germany	https://www.hk-awt.de/	
2022	APR	25-27	12th Tooling Conference	Örebro	Sweden		
2022	SEP	5-8	27th IFHTSE Congress and European Conference on Heat Treatment	Salzburg	Austria		
2023	APR		5th International Conference on Heat Treatment and Surface Engineering of Tools and Dies	Hangzhou	China		
2023	MAY		European Conference on Heat Treatment		Italy		
2023	NOV	13-16	28th IFHTSE Congress	Yokohama	Japan		