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International Federation for  
Heat Treatment and Surface Engineering

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- 5th Intl Conf HTSE of Tools and Dies comes with online access
- New IFHTSE Executive Committee member: Jianfeng GU
- Award for IFHTSE Fellow Valery Rudnev

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## 5<sup>th</sup> International Conference on Heat Treatment and Surface Engineering of Tools and Dies

This series of conferences, started 2005 in Croatia, is now coming to its 5<sup>th</sup> event. Organised by the China Heat Treatment Association, it is taking place in Liangzhu Dream Town, Hangzhou, China, from April 24-26, 2023.

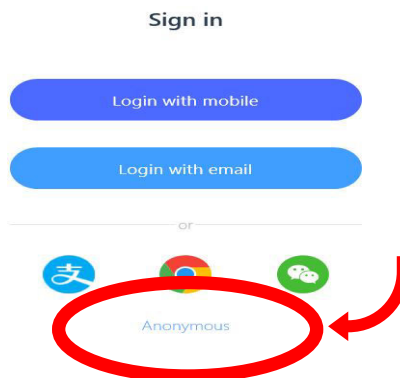
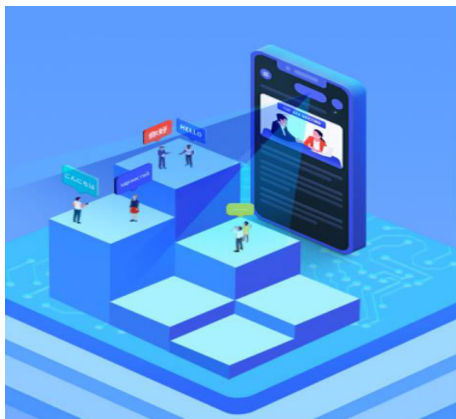
The last, [the 4<sup>th</sup>, conference of the series](#), had also be organized by CHTA in January 2021. Since it could only be held online, it was decided to organize the next event also through CHTA in China – deviating from IFHTSE’s routine to change countries or better even continents from one conference to the next.

But unfortunately travel restrictions due to the pandemic persisted in varying countries even during the preparation phase of the present conference, jeopardizing the due planning of a trip to China for international attendees.

To make up for this, an online access has been put in place although it will be an event with several hundred attendees physically present.

### Online access:

<https://lm.ewenue.com/live/ZWDJIA>



For public online access, click on the “anonymous” button

The technical areas of interest include, but are not limited to:

- Tools and dies for intelligent manufacturing
- Physical metallurgy of steels for tools and dies
- Heat treatment of tools and dies
- Thermochemical treatment of tools and dies
- Coating technology for tools and dies
- Deep cold treatment of tools and dies
- Modelling and software for the heat treatment and surface engineering of tools and dies
- Gas for the heat treatment and surface engineering of tools and dies
- Advanced equipment for the vacuum heat treatment and surface engineering of tools and dies
- Advanced equipment for the metallurgical quality testing of steels for tools and dies
- Advanced equipment for the heat treatment quality and performance testing of tools and dies

## Programme:

<https://www.ifhtse.org/org/events/conference-proceedings/proceedings/HTSE-TD-2023-Programme.pdf>

Online visitors from outside China be aware that the times are local Chinese time

**UTC + 8!**

There will be seven keynote lectures followed by 31 technical presentations in two parallel sessions.

## New IFHTSE Executive Committee member: Jianfeng GU

Prof. Dr. Jianfeng Gu has been appointed to the Executive Committee of IFHTSE at the Governing Council Assembly held online during the pandemic in 2021.

He is the Deputy President of IFHTSE'S member organization Chinese Heat Treatment Society (CHTS), a Professor at the School of Materials Science and Engineering of Shanghai Jiao Tong University (SJTU), and the Director of the Institute of Materials Modification and Modelling (IMMM) at SJTU.



He graduated and obtained his Ph.D. at SJTU and pursued there his scientific career. Two extensive research and teaching periods took him abroad: One was a two-year postdoctoral fellowship at the University of Technology of Troyes (UTT), France, and the other a one-year senior visiting scholarship at the University of Nevada - Las Vegas (UNLV), USA.

His major research interests include: (1) numerical simulation of heat treatment processes and its engineering application, (2) microstructure and properties of advanced alloys (high entropy alloys, additive manufactured titanium alloys and metamaterials, etc.)

He has undertaken more than 10 national projects as project leader and won 4 national and provincial awards based on his research achievements. He has published more than 250 papers and 25 patents. He serves as editor-in-chief, associate editor or editorial board member of 11 academic journals in the field of heat treatment for metallic materials.

IFHTSE is very glad that Prof. Gu will strengthen and promote the international links and activities of the Chinese HTSE community and IFHTSE.

## IFHTSE Fellow Valery Rudnev wins ASM's William Hunt Eisenman Award



Dr. Valery Rudnev was selected to receive this award “for dedicated service to the global materials science community, leadership, development and promotion of induction heating and heat treating technologies and novel technologies.” The award was established by ASM Int'l in 1960 in recognition of unusual achievements in industry in the practical application of materials science and engineering through production or engineering use.

Dr. Valery Rudnev was Director Science & Technology of Inductoheat Inc., an Inductotherm Group Company. He is considered by many as one of the leading global figures in the induction heating and heat-treating industry. He joined Inductotherm Group in 1993 and is widely known as "Professor Induction."

Dr. Rudnev authored and co-authored numerous chapters and articles for many handbooks devoted to various aspects of induction heating, heat treating, material science, computer modeling and innovative process development.

Dr. Rudnev's credits include more than 60 patents and over 300 engineering/scientific publications.

At the 23<sup>rd</sup> IFHTSE Congress 2016 in Savanna, GA, USA, [Dr. Rudnev was appointed IFHTSE Fellow](#) for "his preeminence in induction heat treating, and modeling of the induction heat treating process."

He is also a Fellow of ASM Int'l in recognition of his "substantial achievements in induction heating and induction heat treating technology through the combined use of theoretical knowledge, experience, computer modeling, know-how and novel process and product development".

We sincerely congratulate Dr. Valery Rudnev with this prestigious Award.

## Forthcoming Conferences

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

<b>2023</b>	<b>APR</b>	<b>24-27</b>	<b>5th International Conference on Heat Treatment and Surface Engineering of Tools and Dies</b>	<b>Hangzhou</b>	<b>China</b>	<a href="http://htse-tl.allconfs.org/meeting/index_en.asp?id=6861">http://htse-tl.allconfs.org/meeting/index_en.asp?id=6861</a>	
<b>2023</b>	<b>MAY</b>	<b>29-31</b>	<b>European Conference on Heat Treatment</b>	<b>Genova</b>	<b>Italy</b>	<a href="https://www.aimnet.it/ec/ht2023.htm">https://www.aimnet.it/ec/ht2023.htm</a>	
<b>2023</b>	<b>OCT</b>	<b>17-19</b>	<b>Heat Treat 2023</b>	<b>Detroit</b>	<b>USA</b>	<a href="https://www.asminternational.org/web/heat-treat">https://www.asminternational.org/web/heat-treat</a>	
<b>2023</b>	<b>NOV</b>	<b>13-16</b>	<b>28th IFHTSE Congress</b>	<b>Yokohama</b>	<b>Japan</b>	<a href="https://jsht.or.jp/ifhtse2023/">https://jsht.or.jp/ifhtse2023/</a>	
<b>2024</b>	<b>SEP OCT</b>	<b>30-3</b>	<b>29th IFHTSE Congress</b>	<b>Cleveland</b>	<b>USA</b>		