

- QDE-ECHT online and on demand
- New IFHTSE Fellow Hans-Werner Zoch

QDE 2021 goes online... *...and goes global across time zones!*



The Quenching and Distortion Engineering conference series follows up on the former series of IDE, organized by IWT Bremen, Germany, and QCD, organized by IFHTSE. These two have been merged into the QDE series. In 2021 the QDE conference is combined with the European Conference on Heat Treatment (ECHT) series supported by European organisations. The event covers:

- the quenching process as an essential step in the heat treatment of metallic components and
- the relation of the distortion potential of a component with all steps of the manufacturing process, especially quenching.

The “on-demand ticket” takes QDE to your time zone!

After each day, a video with all contributions including the discussions will be put online for two weeks, and an access code will be sent to the “on-demand” attendees. They can stream but not download the videos within these two weeks. Questions about the presentations may be mailed to info@awt-online.org and will be forwarded to the respective speakers. The answers will be returned again via the conference office.

Programme and registration: www.echt-qde-2021.de

IFHTSE Fellowship for Prof. Hans-Werner Zoch

The Executive Committee has appointed the former director of our member institute IWT of Bremen, Germany, IFHTSE Fellow.

The citation reads:

“FOR HIS FAR-SIGHTED COVERAGE OF NOVEL FIELDS IN RESEARCH AND TECHNOLOGY AND FOR HIS SUSTAINED LEADERSHIP GIVING HEAT TREATMENT AND SURFACE ENGINEERING A STRONG POSITION IN THE RESEARCH LANDSCAPE AND FIRM LINKS TO NEIGHBOURING FIELDS”

Prof. Dr.-Ing Hans-Werner Zoch has supported and promoted for many years, he has taken them into practice our international contacts.

He was appointed in 2008, and after as President and Past he remained a very active member of the Executive Committee

IFHTSE events during more than once occasions or establishment:



Werner Zoch has supported IFHTSE for many years, he has taken them into practice and strengthened network with many

IFHTSE Vice President serving subsequently President until 2013 active member of the until 2019.

his Presidency were occasions to enter new new forms of cooperation:

- In 2010, the 18th IFHTSE Congress was organised jointly with the annual Congress of the Brazilian national association ABM and with 800 attendees it was, at the time, the biggest IFHTSE event ever held.

- In the same year, the first IFHTSE conference on „Reduction of energy consumption in heat and thermochemical treatment technologies and installations” in Poiana Brasov, Romania, concentrated on this ever more important field.

- IFHTSE’s „3rd International Conference on Heat Treatment of Tools and Dies” in Wels (Austria) in 2011 was held for the first time together with the ECHT (European Conference on Heat Treatment). This cooperation with ECHT was then

continued and consolidated in four further joint events in Munich, Venice, Prague, Nice, and now online.

- The first IFHTSE event on the „Liquid Quenching Database“ project was held during the 19th Congress in Glasgow, Scotland. Since then, various quenching media have been studied in comparison under controlled conditions.

After studying mechanical engineering, Hans-Werner Zoch joined the bearing company FAG where he rose to the position of head of research and development in 1993. During this time, he received his Ph.D. in 1994 from the University of Bremen with a thesis on the influence of the solidification geometry of continuous castings on the distortion behavior of ring-shaped components. In 2004 he became managing director of IFHTSE member institute IWT (Bremen, Germany) and professor for materials technology/metals at the University of Bremen. Most prominently, in this role he led the interdisciplinary Collaborative Research Center „Distortion Engineering“ which investigated the causes and compensation possibilities of heat treatment distortion along the entire process chain of metallic components. Zoch's further research focus was on steel production, heat treatment, residual stress and fatigue behaviour of high-strength steels.






He held important positions in our German member association Arbeitsgemeinschaft Wärmebehandlung und Werkstofftechnik e.V. (AWT) and in numerous other research organisations. His commitment to university teaching shows, among others, in his fundamental revision and amendment of two materials technology textbooks.

Also after his IFHTSE Presidency he proceeded actively with forward-looking decisions for IFHTSE such as the merger of the two conference series „Quenching and Control of Distortion“ (IFHTSE) und „International Conference on Distortion Engineering“ (initiated by Hans-Werner Zoch at IWT). The so formed „Quenching and Distortion Engineering“ series was first realised by IFHTSE member association JSHT in Nagoya, Japan, in 2018. When IFHTSE had to review and reorganise their activity in publication from 2014 on, he led the respective work group and contributed the invaluable experience which he had gathered during his many years in the editorial office of the “Journal of Heat Treatment and Materials” (HTM). With his persistent efforts, he had significantly contributed to have this journal listed in the “Emerging Sources Citation Index”.

He has not ceased being available for IFHTSE officials with advice and contacts. His clever approach to jobs not easy in organisational and personal aspects cannot be overestimated.

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 <i>and</i> 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	http://ifhtse.org	
		2021/03					