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- Call for papers ECHT 2019

**The biggest event 2018 worldwide
in Heat Treatment and Surface Engineering:**



2018 |  IFHTSE
**25th Congress of
International Federation for
Heat Treatment and
Surface Engineering**
11-14 September 2018 | Xi'an China
Organized by
 Chinese Heat Treatment Society
www.chts.org.cn

Programme now available!

New IFHTSE member: Houghton International

Our new member company can proudly look back to 151 years of serving the industry with metalworking fluids, specifically cold and hot quenching oils and aqueous quenchants for the heat treating industry, and continuously bringing innovative solutions in the field.

In 1865, then-named E.F. Houghton & Co. developed its first commercial product, called Cosmoline[®], a lubricant and rust preventative made from Pennsylvania crude oil. During the late 1880s to early 1900s with the birth of the automobile, transcontinental railroads, flight and transatlantic passenger voyages, Houghton was an innovative leader with products to facilitate newly created assembly lines and steel production.

In the mid 1950s, with Houghto-Safe[®], the first water glycol hydraulic fluid, the industry had its first fire-resistant, mission-critical fluid, which quickly became the standard for the U.S. Naval Fleet.



In 1998, Houghton introduced Hocut[®]795, the first biostable metal cutting coolant, and it initiated its chemical management services, Fluidcare[®]. In 2009, Houghton introduced its NOA[™] (Non Oleic Acid) technology, an enhanced aluminum hot rolling lubricant.

Today, Houghton (www.houghtonintl.com) is headquartered in Valley Forge, Pennsylvania, employs approximately 1,900 people in 33 countries, and has 11 manufacturing facilities in 10 countries and five continents. The company was acquired by Gulf Oil International in 2012.

Prof. Hans M. Tensi †

We have got the sad news that Prof. Tensi has died after a long illness.

Prof. Tensi made vital, influential and lasting contributions to the fundamentals of quenching technology as it is understood today. He is widely known and respected as a co-editor, with B. Liscic, and W. Luty, of “Theory and Technology of Quenching” - the most significant and influential work of its kind published in the last 25 years, which continues to be a standard.

Hans Tensi’s research bridged many vitally important areas in materials engineering including his research with the German Space Agency on casting of aluminum alloys under microgravity conditions. This makes him one of very few to have conducted such work. The space capsule he used is on display in the “Deutsches Museum” in Munich, Germany

In addition, he pioneered the study of wetting kinematics and its measurement by electrical conductance (including computational modelling of the data). This work he conducted with Prof. Joseph Kaiser at the Technical University of Munich where Hans Tensi was Prof. Extraordinarius.



Prof. Tensi was recognized for his numerous critically important contributions by his appointment in 2011 as a Fellow of IFHTSE: “In recognition of his extensive contributions over many years, especially to the study of quenching, but also to pioneering work on thermal processing of ferrous and non-ferrous metals in general, wetting kinematics, and metal casting under microgravity conditions”.

During Prof. Tensi’s membership of the Quenching and Cooling Committees of both IFHTSE and ASM, he was a key contributor in the development of ISO 9950:1995 “Industrial quenching oils – Determination of cooling characteristics – Nickel-alloy probe test method”, and of the ASTM Standard D6482-06 “Determination of Cooling Characteristics of Aqueous Polymer Quenchants by Cooling Curve Analysis with Agitation (Tensi Method)”. Both of these are vitally important standards used widely throughout the industry today.

Prof. Tensi was also elected as a Fellow of ASM International. In addition, ASM International and IFHTSE (International Federation for Heat Treatment and Surface Engineering) co-hosted the very well attended International Conference on Quenching and Control of Distortion in Honor of Professors Bozidar Lišcic and Hans M. Tensi in Indianapolis in 2001.

Prof. Tensi was also honoured for his contributions to this work at the 26th European Conference on Acoustic Emission Testing in Berlin, September 2004.

We shall always hold his memory in honour.

Prospective authors wishing to present papers are invited to submit a tentative title and an abstract of about 300 words (in English) to the Organising Secretariat by

December 6, 2018.

The abstract should provide sufficient information for a fair assessment and include the title of the paper, the author's names and contact details (address, telephone number and e-mail address). The name of the presenting author should be underlined. There are two ways to submit papers:

- fill in the form on the conference web site at <http://www.aimnet.it/echt2019.htm>

- send the requested information by e-mail to: aim@aimnet.it

A poster session will be included if the number of accepted paper exceeds the space available for oral sessions.

The Conference language will be English.

SAVE THE DATE



**HEAT TREATMENT
& SURFACE
ENGINEERING
FOR AUTOMOTIVE**

5-7 JUNE 2019

**Bardolino
Garda Lake - Italy**

Programme now available:
<http://www.qde2018.jp/program.html>

**QDE2018
in NAGOYA, JAPAN
27-29, Nov, 2018
Venue: Nagoya Congress Center**

<http://www.qde2018.jp/>

Forthcoming Conferences

2018	SEP	11-14	25th IFHTSE Congress	Xi'an	China	www.25ifhtse.org	
2018	OCT	16-18	Härtereikongress [languages: German/English]	Cologne	Germany	http://www.awt-online.org/haertereikongress.html	
2018	NOV	20-21	Vacuum Heat Treatment and Heat Treatment of Tools [languages: Czech/English]	Púchov	Slovak Republic	www.htconference.cz/en	
2018	NOV	27-29	International Conference on Quenching and Distortion Engineering	Nagoya	Japan	http://www.gde2018.jp/	
2019	MAY	12-16	Tooling 2019	Aachen	Germany	https://tooling2019.com/	
2019	JUNE	5-7	European Conference on Heat Treatment	Bardolino	Italy	http://www.aimnet.it/echt2019.htm	
2019	SEP	18-20	26th IFHTSE Congress	Moscow	Russia		
2019	OCT	15-17	Heat Treat 2019		USA		
2019	OCT	22-24	HK 2019 [languages: German/English]	Cologne	Germany	http://www.awt-online.org/haertereikongress.html	
2019	NOV		4th Mediterranean Conference on Heat Treatment and Surface Engineering	Istanbul	Turkey		
2020			European Conference on Heat Treatment		Benelux		
2020	JUNE or SEP		5th International Conference on Thermal Process Modelling and Simulation (ICTPMS)		Croatia		