



INTERNATIONAL FEDERATION
FOR HEAT TREATMENT
AND SURFACE ENGINEERING

- 23rd IFHTSE Congress in Savannah
- Heat Treatment in Automotive Conf Prague
- Tooling Conference
- 3rd Mediterranean Conference HTSE
- IDE and QCD merged to form QDE

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23rd IFHTSE Congress

APRIL 18-22, 2016 | SAVANNAH, GEORGIA

Organized by:



Outstanding entry of papers submitted to the Congress:

144 papers total, of which 126 for oral presentation and 18 for poster presentation

The preliminary programme is due in January on

<http://www.asminternational.org/web/ifhtse/home>

Speakers from all over the world:

Countries Represented besides USA

Austria	Hungary	Saudi Arabia
Brazil	India	Slovenia
China	Italy	South Korea
Croatia	Japan	Switzerland
Denmark	Mexico	Tunisia
France	Poland	United Kingdom
Germany	Russia	Iraq

Special Symposium Added

Symposium on Residual Stress Modeling

focusing on how to manage, mitigate, control and apply residual stress during heat treating processes. This symposium has participants from AFRL, Boeing, Pratt & Whitney, Rolls Royce and others.

European Conference on Heat Treatment 2016 and 3rd International Conference on Heat Treatment and Surface Engineering in Automotive Applications

11 – 13 May 2016

Prague, Břevnov Monastery,
Czech Republic

www.htconference-prague2016.cz

Abstracts to be submitted to <
conference2016@asociacetz.cz>
until

January 8, 2016



The Conference will cover the overall development of technologies in heat treatment and surface engineering in automotive applications, with focus on the following **topics**:

- o Steel grades for automotive industry, heat treated materials, mechanical properties, phase transformations, microstructure and properties relationships
- o Thermochemical heat treatment in series production (nitriding, carburizing – gas with oil quenching, vacuum with gas quenching)
- o Surface hardening technology (induction hardening, laser, electron beam), coating technology (thermal spraying, coating, PVD, CVD, plasma,..)
- o Vacuum heat treatment of metals and alloys
- o Quenching technology, quenching distortion and stresses
- o Design and construction of industrial heat treatment equipment for series production
- o Improved modelling capabilities and simulation of heat treatment and surface engineering
- o Environmental impact of heat treatment and environmental aspects of surface engineering
- o Reliability and process control, series production control, measurement

Best Poster Awards

Awards, sponsored by the Burgdorf GmbH & Co.KG, will be made for the three best posters (the first EUR 800, the second EUR 500, the third EUR 300), as judged by an independent panel of experts.

Organization

The conference is organized by the ATZK – Association for the Heat Treatment of Metals in close cooperation with A3TS, AIM, ASMET, AWT, SVW/ASTT, VWT and IFHTSE.

International Tooling Conference

04-07 October 2016

Tool 2016 - Developing the World of Tooling

Double Tree by Hilton Hotel, Bratislava/Slovakia

More than ever, tool steels provide vital knowledge and technologies that will help to meet the global challenges ahead.

The “Tooling Conference” Series started in 1987 and is an International Conference Series in the field of Tooling. In the future, this series will be organized and supported by IFHTSE (International Federation for Heat Treatment and Surface Engineering) by the national metallurgical societies of Austria (ASMET), Sweden (Jernkontoret) and Germany (Steel Institute VDEh).



The conference will continue a successful series of Tooling Conferences. The main objective is to foster knowledge transfer and exchange of experiences amongst delegates with academic and industrial backgrounds.

The scientific programme will comprise top-class keynote lectures, workshops, oral and poster presentations. ASMET also will offer an extensive social programme to get to know this charming and attractive city Bratislava and its lovely surroundings.



**Deadline for abstract submission:
March 5, 2016 – www.tool2016.org**

3rd Mediterranean Conference on Heat Treatment and Surface Engineering

26 - 28 September 2016

Grand Hotel Bernardin, Portorož,
Slovenia

The 3rd Mediterranean Conference on Heat Treatment and Surface Engineering will take place in a beautiful Adriatic – Mediterranean town Portorož, located at the Slovenian coast in the municipality of historical-Venetian style town of Piran.



Papers for this event should address in particular, but not exclusively, the following:

- microstructure transformations
- mechanical, physical and tribological properties
- advanced heat treating manufacturing processes
- vacuum heat treatment
- cryogenic treatment and tempering process
- bainitizing
- induction and low energy magnetic heating
- quenchants and quenching technology
- advanced surface modification and coating technologies
- heat treatment and surface engineering of tools and dies
- heat treating equipment
- application of nanotechnology
- mathematical modelling and process simulation

In addition to the contributed papers, the Conference Program Committee will invite distinguished researchers in key areas of heat treatment and surface engineering to present the latest achievements in their respective fields.

**Deadline for abstract submission:
January 31, 2016 – www.mchtse.com**

New Conference series “Quenching and Distortion Engineering (QDE)”

The two conference series IDE („International Conference on Distortion Engineering") and QCD („Quenching and Control of Distortion"), which have covered this field in the past, will be merged into one only series. This series shall take the name of QDE („International Conference on Quenching and Distortion Engineering"), and shall be organized alternating in turn by IFHTSE and IWT, the Institute for Materials Technology in Bremen.

The decision was taken during the last IDE conference in Bremen, Germany, by IFHTSE and IWT. This is not an entirely new development because already in 2012 such a joint conference was held in Chicago, U.S.A., when IDE, organized by IWT, was joined with the QCD Conference organised by ASM International for IFHTSE. Joining forces in this important and rapidly evolving field will strengthen the success of the conferences and encourage scientists and practitioners worldwide to perform relevant studies and report on results and industrial experience at those conferences.

The first QDE Conference will be held in autumn 2018 in Japan - an excellent opportunity and an ideal platform to present Japan's active relevant technical role and advances.

Made the merger (from right to left): Hans-Werner Zoch, Director of IWT, Scott Mackenzie, Vice President of IFHTSE from 2016, organizer of the last QCD, Reinhold Schneider, President of IFHTSE, Stefan Hock, Secretary General of IFHTSE, Thomas Lübben, organizer of IDE



IFHTSE presented at Heat Treatment Seminar

On 12-13 November 2015 the Romanian Society for Heat Treatment and Surface Engineering (ATTIS) organized a seminar on “Modern Technologies and Equipment for Heat Treatment” in Sibiu, Romania. At the opening ceremony IFHTSE and its activity were presented by Zoltan Kolozsvary, former president and treasurer of IFHTSE, and he was honoured with an Award of Excellence by the president of ATTIS.

seminar@uttis.ro

Forthcoming Conferences

2016	APR	18-22	23rd IFHTSE Congress	Savannah, GA	USA	www.asminternational.org/web/ifhtse/home	
2016	MAY	11-13	3rd International Conference on Heat Treatment and Surface Engineering in Automotive Applications /European Conference on Heat Treatment	Prague	Czech Republic	www.htconference-prague2016.cz	
2016	MAY	12-14	2nd Heat Treatment & Surface Engineering Conference and Expo 2016	Chennai	India	www.htsechennai.com	
2016	SEP	20-23	Heat Treat Mexico	Queretaro	Mexico	http://www.asminternational.org/web/htmexico	
2016	SEP	26-28	3rd Mediterranean Conference on Heat Treatment and Surface Engineering	Portorož	Slovenia	vojteh.leskovsek@imt.si	
2016	OCT	04-07	International Tooling Conference	Bratislava	Slovakia	www.tool2016.org	
2016	OCT	26-28	HK 2016 [languages: German/English]	Cologne	Germany	www.awt-online.org	
2017	JUN	26-29	IFHTSE Congress / European Conference on Heat Treatment	Nice	France	www.a3ts.org	
2018	AUTUMN		International Conference on Quenching and Distortion Engineering		Japan		