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Automotive themes for heat treatment and surface engineering: *next event in Prague 2016*

It is difficult to overestimate the significance of automotive applications for heat treatment and surface engineering processes. The subject not only covers a very wide range of traditional and newer technologies, it is also a constant that the components and systems involved are subject to other industrial and commercial pressures: basic economics of materials and process cost in mass production, the effects of materials weight and mechanical properties and joining characteristics, and the validating of newer materials solutions to changing environmental and fuel economy demands. A brief review of essential subjects shows:

- On-road / off-road; rail; body in white; power train; mechanical accessories
- Tools, dies, cutting
- Materials demands for passenger cars: orthodox (diesel or gasoline); hybrid; electric – differences; differences in approach USA, Japan, Europe
- Manufacturing is also strongly influenced by specifications (CQI and more recently RQP)

Many IFHTSE conferences have included papers of relevance to the automotive industry; but specifically we have worked with national and other international organisations on:

- 'Drivelines' sessions of the 'SAE Off-road Congress' (Las Vegas NV, USA, 2002)
- 'Heat treatment and surface engineering in the production of automotive components' (Bangkok, Thailand, 2003)
- 'ASTRA' conference (Hyderabad, India 2005)
- 'Heat treatment and surface engineering in the production of automotive components' Riva del Garda, Italy, 2005)
- 'Steel in cars and trucks' (Braunschweig, Germany, 2014)

And now:

- '3rd International Conference on Heat Treatment and Surface Engineering in Automotive Applications' (Prague, Czech Republic, 11-13 May 2016)



Bangkok 2003



Hyderabad 2005



Břevnov Monastery, Prague – location of the next automotive conference (combining with the European Conference 2016)

IFHTSE Czech member AZTK is now working on the programme for the next automotive event:

- **3rd International Conference on Heat Treatment and Surface Engineering in Automotive Applications** (with the **European Conference on Heat Treatment 2016**) 11 – 13 May 2016, Prague, Czech Republic
- Website and email details will be published when confirmed; in the meantime, send any requests for information to our Czech member AZTK (Ing Alexandra Musilova musilova@asociacetz.cz)

New company member for IFHTSE

We are very pleased to report receipt of an application for company (SME) membership from

MEDUNA vakuová kalírna sro
533 01 Pardubice - Černá za Bory
Czech Republic

The company (www.kalirna.cz) was established in 1999 by Miroslav Meduna. It offers heat treatment and chemical-heat treatment, including quenching, annealing, tempering, nitriding, carbonitriding, nitrocarburizing and induction heating. Stress is placed upon metallographic and analytical techniques. ISO 9001 2009

In accordance with the usual practice, the company will agree the start date of its membership with the IFHTSE Treasurer and the company will be formally welcomed and recommended for approval at the 44th Assembly of the IFHTSE Governing Council scheduled for next May in Venice/Mestre, Italy

IFHTSE website

After a number of problems and delays, the IFHTSE website www.ifhtse.org has concluded an agreement with a new host and has now moved there. At present it contains some basic and model / specimen data but it is being updated gradually.

The new site should be loaded during September/October 2014.

Already on the site are conference and exhibition listings and links and all back copies of this *Bulletin*.

IFHTSE Secretary and Treasurer

As announced at the 43rd Assembly of the Governing Council in Munich Germany last May:

- Bob Wood, Secretary General of IFHTSE since election in Chicago in 1988, will leave that post as at 31 December 2014
- Zoltán Kolozsváry, Treasurer since 2002 (he was also President 1998-99) will leave that post as at the Governing Council in Mestre Italy next May

The process of appointing new people for both positions is proceeding well and it is expected that names and CVs can be published soon.

NEXT CONGRESS REMINDER

IFHTSE 22nd CONGRESS / 2015 EUROPEAN CONFERENCE

27-29 MAY

Mestre/Venice Italy

Conference website: www.aimnet.it/ht2015.htm

Exhibition enquiries: marketing@aimnet.it



Organised by AIM, Italy



Events diary

A. Conferences and exhibitions by category (see page 4 for contacts for 2014-15 events)

IFHTSE Congress

- 2015 IFHTSE 22nd Congress with European Conference**
Italy, Mestre/Venice, 20-22 May 2015
- 2016 IFHTSE 23rd Congress**
USA, location to be decided; date probably March/April/May 2016
- 2017 IFHTSE 24th Congress with European Conference**
Nice, France, 26-29 June 2017
- 2018 and beyond:**
Proposal: Moscow in 2018 or 2019. Support in principle from the relevant Moscow city authorities has been offered

European Heat Treatment Conference Series

- 2015 – Venice Italy, 20-22 May 2015** with IFHTSE Congress
- 2016** Prague, Czech Republic, 11-13 May 2016
(This will also be the **3rd International Conference on Heat Treatment and Surface Engineering in Automotive Applications**)
- 2017** Nice, France, 26-29 June 2017 with IFHTSE Congress

Automotive

- 2016 3rd International Conference on Heat Treatment and Surface Engineering in Automotive Applications (with European Conference)**
Prague Czech Republic 11-13 May 2016

Distortion Engineering / Quenching

- 2015 International Conference on Distortion Engineering Bremen Germany 23-25 September 2015**
This represents a revival of the original 'Bremen series' and discussions are being held to ensure the optimum rationalisation with the 'Quenching and Control of Distortion' series

Tribology

- 2015 'Heat treatment and surface engineering for tribological performance'**
Tallinn, Estonia, October 2015

B. Events 2014-15 in chronological order

2014	September	10-12	Heat Treatment 2014 Moscow: Exhibition and Conference	Moscow	Russia	www.htexporus.com/
2014	October	11-13	2nd International Conference on Energy and the Future of Heat Treatment and Surface Engineering	Beijing	China	http://2nddefhtse.csp.escience.cn/
2014	October	22-24	HK 2014 [languages: German/English]	Cologne	Germany	www.hk-awt.de
2014	November	25-27	25th National Conference on Heat Treatment with International Participation [languages: Czech, Slovak, English]	Jihlava	Czech Rep.	www.asociacetz.cz
2015	May	20-22	IFHTSE 22nd Congress / European Conference on Heat Treatment	Vencie/Mestre	Italy	www.aimnet.it/ht2015.htm
2015	September	20-22	ASM Heat Treatment Society Conference and Exposition	Detroit MI	USA	www.asminternational.org/
2015	September	23-25	International Conference on Distortion Engineering	Bremen	Germany	www.iwt-bremen.de
2015	October	28-30	HK 2015 [languages: German/English]	Cologne	Germany	www.awt-online.org
2015	November		Heat treatment and surface engineering for tribological performance	Tallinn	Estonia	priit.kulu@ttu.ee

C. Other advance information

2015 HK 2015 HärtereiKongress
Cologne Germany, 22-24 October 2015

A3TS Conference (French language)
St Etienne, France, 3-4 June 2015

ASM HTS Conference and Expo
Detroit MI USA, September 2015

2016 HK 2016 HärtereiKongress
Germany, 26-28 October 2016

