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)
IFHTSE Bulletin

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

<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Event Title and Description</th>
<th>Location</th>
<th>Language(s)</th>
<th>Website</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>September</td>
<td>Heat Treatment 2014 Moscow: Exhibition and Conference</td>
<td>Moscow, Russia</td>
<td></td>
<td><a href="http://www.htexporus.com/">www.htexporus.com</a></td>
</tr>
<tr>
<td>2014</td>
<td>October</td>
<td>HK 2014 [languages: German/English]</td>
<td>Cologne, Germany</td>
<td></td>
<td><a href="http://www.hk-awt.de">www.hk-awt.de</a></td>
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<tr>
<td>2015</td>
<td>May</td>
<td>IFHTSE 22nd Congress / European Conference on Heat Treatment</td>
<td>Venice/Mestre, Italy</td>
<td></td>
<td><a href="http://www.aimnet.it/ht2015.htm">www.aimnet.it/ht2015.htm</a></td>
</tr>
<tr>
<td>2015</td>
<td>September</td>
<td>ASM Heat Treatment Society Conference and Exposition</td>
<td>Detroit, MI, USA</td>
<td></td>
<td><a href="http://www.asminternational.org/">www.asminternational.org</a></td>
</tr>
<tr>
<td>2015</td>
<td>September</td>
<td>International Conference on Distortion Engineering</td>
<td>Bremen, Germany</td>
<td></td>
<td><a href="http://www.iwt-bremen.de">www.iwt-bremen.de</a></td>
</tr>
<tr>
<td>2015</td>
<td>October</td>
<td>HK 2015 [languages: German/English]</td>
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<td>2015</td>
<td>November</td>
<td>Heat treatment and surface engineering for tribological performance</td>
<td>Tallinn, Estonia</td>
<td></td>
<td><a href="mailto:priit.kulu@ttu.ee">priit.kulu@ttu.ee</a></td>
</tr>
</tbody>
</table>

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