IFHTSE PROGRAMME 2013

- European Conference on Heat Treatment and Surface Engineering
  Luzern, Switzerland 25-26 April

- Heat Treat and Surface Engineering Conference and Expo
  Chennai, India 16-18 May

- 2nd Mediterranean Conference on Heat Treatment and Surface Engineering
  Dubrovnik-Cavtat, Croatia 11-14 June
  Along with the main technical sessions, the Conference will also include:
  - 43rd Assembly of the IFHTSE Governing Council
  - Workshop / update Liquid Quenchants Database Project
  - Workshop / update Tools – Tooling Group
  - Workshop: Global 21

See Page 3 for contact data for these and other 2013 events

See Page 4 for 2014 onwards

Who’s Who

President 2012-2013
XU Kewei, Xi’an University of Science and Arts - China

Vice President
Reinhold SCHNEIDER, TU Wels - Austria

Treasurer
Zoltán KOLOZSVÁRY, SC Plasmaterm SA - Romania

Secretary General
Robert WOOD (robert.wood@ifhtse.org)

Joint Editors International Heat Treatment and Surface Engineering
Paul STRATTON, Matscribe – UK
JIN Nengyun, SJTU - China

LQD Leader
Imre FELDE, University of Obuda - Hungary

TOOL Leader
Reinhold SCHNEIDER, TU Wels - Austria

Global 21 Leader
Zoltán Kolozsváry, SC Plasmaterm SA - Romania

IFHTSE Executive Committee 2013

President: Xu Kewei, Xi’an University of Science and Arts - China
Vice President: Reinhold Schneider, TU Upper Austria Wels - Austria
Treasurer: Zoltán Kolozsváry, SC Plasmaterm SA - Romania
Secretary General: Robert Wood - UK
Past President: Hans-Werner Zoch, IWT Bremen - Germany
Kiyoshi Funatani, MTI Inst - Japan
Mohamed Hussein, Tabbin Inst Cairo - Egypt
Patrick Jacquot, Bodycote - France
Rafael Mesquita, Villares Metals SA - Brazil
Vladimir Skorobogatykh, CNIITMASH - Russia
Paul Stratton, Matscribe - UK
George Totten, Texas A&M University - USA
Henry Bessemer bicentenary

Sir Henry Bessemer was born on 19 January 1813. Bessemer is best known as the inventor of the Bessemer Converter, which was arguably the first pneumatic bulk steelmaking process (Kelly in USA also laid claim to a pneumatic process at this time but it was never commercialised). Bessemer published his invention in 1856 and the first commercial application was seen in 1858. The process was still in operation worldwide well into the 1950s.

IFHTSE UK member IOM3 is organising an exhibition at their headquarters, 1 Carlton House Terrace, London from 19 January for three to four months as well as publishing an article by a descendant of Bessemer in the January issue of Materials World

For more on this and other industrial history subjects go to www.hist-met.org

Tribology Centre

The Leonardo Tribology Centre has been set up at the University of Sheffield in the UK. The Centre offers consultancy and testing services:

Tribological Testing Facilities
- Wear Testing and Wear Resistance (using pin-on-disk, and reciprocating testers)
- Measurement of Friction Coefficient
- Measurement of Materials Properties (hardness, elastic modulus, Poisson’s ratio)
- Rolling Contact Fatigue and Wear Testing (twin disk testing)
- Measurement and Analysis of Surface Roughness
- Ultrasonic Flaw Detection & Thickness Gauging
- Ultrasonic Analysis of Interfaces (stiffness, contact pressure, contact conditions)
- Lubricant Film Measurement
- Surface Roughness Measurement and Evaluation
- Hardness testing (micro- & nano-)

General Consultancy, Trouble Shooting, & Advice
- Surface/Tribological Failure Diagnosis
- Selection of Bearings, Lubricants, Wear Resistant Materials
- Theoretical and Modelling Capabilities
- Contact Modelling and Contact Mechanics Tools
- RECESS - automotive valve recession simulation
- RAWSIM - railway wheel wear simulation
- Surface Roughness Analysis Software

Dedicated Component Testing
- Railway Wheel/Rail Twin Disk Simulations
- Motor Driven Engine Chain Test-Rig
- Motor Driven Engine Cylinder Head
- Valve and Seat Insert Wear Test-Rig
- Ultrasonic Lubricant Film Thickness Measurement

info@leonardocentre.co.uk
www.leonardo.co.uk
## CONFERENCE DIARY 2013

<table>
<thead>
<tr>
<th>Event</th>
<th>Dates</th>
<th>Location</th>
<th>Website</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NANOSMAT-Asia</strong></td>
<td>13-15 March - Wuhan, China</td>
<td><a href="http://www.nanosmat-asia.com">www.nanosmat-asia.com</a></td>
<td></td>
</tr>
<tr>
<td><strong>European Conference on Heat Treatment and Surface Engineering</strong></td>
<td>25-26 April - Luzern, Switzerland</td>
<td><a href="mailto:b.kuntzmann@listemann.com">b.kuntzmann@listemann.com</a></td>
<td></td>
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<tr>
<td><strong>ROMiT 5-yearly Conference Automotive Materials</strong></td>
<td>April/May - Tolyatti, Russia</td>
<td><a href="mailto:ak.tikhonov@vaz.ru">ak.tikhonov@vaz.ru</a></td>
<td></td>
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<tr>
<td><strong>Heat Treat and Surface Engineering Conference and Expo</strong></td>
<td>16-18 May - Chennai, India</td>
<td><a href="mailto:kamachi@igcar.gov.in">kamachi@igcar.gov.in</a></td>
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</tr>
<tr>
<td><strong>ABM 44th Steelmaking Seminar</strong></td>
<td>26-29 May - Araxa MG, Brazil</td>
<td><a href="http://www.abmbrasil.com.br">www.abmbrasil.com.br</a></td>
<td></td>
</tr>
<tr>
<td><strong>2nd Mediterranean Conference on Heat Treatment and Surface Engineering</strong></td>
<td>11-14 June - Dubrovnik-Cavtat, Croatia</td>
<td><a href="http://www.fsb.hr.hdtoip">www.fsb.hr.hdtoip</a></td>
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<tr>
<td><strong>HIPIMS: 4th International Conference on High Power Impulse</strong></td>
<td>12-13 June - Braunschweig, Germany</td>
<td><a href="http://www.inplas.de">www.inplas.de</a></td>
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<tr>
<td><strong>Heat Treatment Conference (Spanish language)</strong></td>
<td>19 June - Queretaro, Mexico</td>
<td><a href="http://metalspain.com/TT-2013-english-">http://metalspain.com/TT-2013-english-</a></td>
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<tr>
<td><strong>PRICM 8: 8th Pacific Rim International Conference on Advanced Materials and Processing</strong></td>
<td>4-9 August - Waikoloa HI, USA</td>
<td><a href="http://www.tms.http://www.tms.org/Meeting">www.tms.http://www.tms.org/Meeting</a></td>
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<tr>
<td><strong>Heat Treatment 2013 Moscow: Exhibition and Conference</strong></td>
<td>10-12 September - Moscow, Russia</td>
<td><a href="http://www.htexporus.com">www.htexporus.com</a></td>
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<tr>
<td><strong>ASM Heat Treating Society 27th Conference and Exposition</strong></td>
<td>16-18 September - Indianapolis, Indiana, USA</td>
<td><a href="http://www.asminternational.org/">www.asminternational.org/</a></td>
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<tr>
<td><strong>HK 2013</strong></td>
<td>9-11 October - Wiesbaden, Germany</td>
<td><a href="http://www.awt-online.org">www.awt-online.org</a></td>
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<tr>
<td><strong>Stainless Steel World 2013</strong></td>
<td>12-14 November - Maastricht, Netherlands</td>
<td><a href="http://www.stainless-steel-world.com">www.stainless-steel-world.com</a></td>
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</table>
## CONFERENCE DIARY 2014 ONWARDS

### 2014

<table>
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<th>Conference</th>
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<th>Location</th>
<th>Website</th>
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<tbody>
<tr>
<td>21st Congress IFHTSE combined with European Conference on Heat Treatment and Surface Engineering</td>
<td>12-15 May - Munich, Germany</td>
<td><a href="http://www.awt-online.org">www.awt-online.org</a></td>
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<tr>
<td>Steel in cars and trucks</td>
<td>15-19 June - Braunschweig, Germany</td>
<td><a href="http://www.SCT2014.com">www.SCT2014.com</a></td>
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<tr>
<td>HK 2014</td>
<td>October - (Location to be decided), Germany</td>
<td><a href="http://www.awt-online.org">www.awt-online.org</a></td>
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### 2015

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### 2016

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<th>Conference</th>
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<tr>
<td>22nd Congress IFHTSE</td>
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<tr>
<td>Proposals welcomed</td>
<td></td>
<td></td>
<td><a href="mailto:robert.wood@ifhtse.org">robert.wood@ifhtse.org</a></td>
</tr>
</tbody>
</table>

## Circulation and links

This *Bulletin* is widely forwarded by many recipients globally; it also exchanges information with:

- **TRATAMIENTOS TERMICOS**: Spanish Metal Markets. The Spanish Worldwide Heat treatment magazine covering Spain, Portugal, Latin America, United States and more countries, published since 1991. [www.metalspain.com](http://www.metalspain.com) and [www.metalspain.com/TEnglish.html](http://www.metalspain.com/TEnglish.html)
- **The Monty**: Monthly newsletter and website [www.themonty.com](http://www.themonty.com)
- **Industrial Heating**: The world's largest and most comprehensive integrated media resource focusing on high-temperature thermal processing technology and practical applications. [www.industrialheating.com](http://www.industrialheating.com)