

Austausch. Wissen. Technik.

AWT)))

A BRIEF SUMMARY

IFHTSE 21st CONGRESS / 2014 EUROPEAN CONFERENCE
12-15 MAY Munich Germany



This combined event, the first to link the IFHTSE Congress series with the European Conference, was held in the Haus der Bayerischen Wirtschaft in Munich Germany. It attracted over 200 participants from 26 countries. In addition to representatives of the host nation, there were contributors from Austria, Belgium, Brazil, China, Congo, Croatia, Czech Republic, Egypt, Estonia, France, Hungary, Italy, Japan, Korea, Lithuania, Netherlands, Poland, Romania, Russia, Slovenia, Sweden, Switzerland, Turkey, UK, and USA.

Organised by IFHTSE member AWT, a full programme of over 50 papers in 15 sessions covered: nitriding and nitrocarburizing, gas nitriding, carbonitriding and low-pressure carburizing, quenching media, induction heat treatment, coatings, tool steels, properties and physical metallurgy, and modelling and simulation, plant and equipment. A poster session added a further 12 papers.

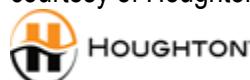
The plenary opening session included two very well received papers:

- *'From microstructures to nanostructures'* (Wolfgang Bleck, RWTH, Aachen Germany)
- *'Simulating the manufacturing process chain'* (Lynn Ferguson, DANTE Solutions Inc., Cleveland OH USA)



Ferguson

Also, as announced in Bulletin 2014/4, **IFHTSE Fellowship** was presented to Dr Ferguson; citation plaque supplied courtesy of Houghton International.



At the end of the event, and by clear and unanimous approval of the judging panel, the **2014 Tom Bell Young Author Award** went to Tobias Steiner (Max Planck Institute for Intelligent Systems / Robert Bosch, Stuttgart) for his presentation of: *'Internal nitriding of ternary Fe-Cr-Mo alloys; nitride development'*



The TBYAA is sponsored by Linde Gas, who also introduced a new system of **'Best Poster Prizes'** – the three winners of this inaugural award included the Young Author Award winner Steiner!

The social and 'accompanying persons' programmes were also very well attended and much enjoyed – as well as cultural and sightseeing possibilities, all participants appreciated the entertainment and networking value of a **'Bavarian Evening'** in the Augustiner Keller and a **Dinner** at the Nymphenburg Palace.

On Monday 12 May, IFHTSE held its statutory annual assembly. This, the **43rd Assembly of the Governing Council**, was the geographically the closest ever held to the 1st Assembly in Salzburg in 1972 !

Additional components of this event were **Workshops on Tooling** and the **IFHTSE Global 21 project**. The latter concentrated on the effects of materials science developments. As part of this, Dr T Sudarshan (Materials Modification Inc, USA) presented a lively view of radically new and different materials, surfaces, and structures

Linde Gas Best Poster Awards Munich 2014

- Dr Anja Buchwalder (Bergakademie TU Freiberg, Germany)
- Tobias Steiner (Robert Bosch GmbH, Germany)
- Prof. Masahiro Okumiya (Toyota Technological Institute, Japan)



The Tom Bell Young Author Award, and hopefully the Best Poster Awards, will again be available at the 22nd Congress in Venice/Mestre Italy next May. Contact IFHTSE Secretary General for details of the TBYAA and other Awards: robert.wood@ifhtse.org

IFHTSE 22nd CONGRESS / 2015 EUROPEAN CONFERENCE
27-29 MAY **Mestre/Venice Italy**
Conference website: www.aimnet.it/ht2015.htm

IFHTSE Conference programme 2014



This Conference is organised for IFHTSE by its China member the Chinese Heat Treatment Society. The Conference is built around two, closely related, tracks:

- Energy management in the wide and growing range of heat treatment and surface engineering processes
- The role of those critical processes in clean energy generation and supply systems: upgraded conventional as well as new and alternative methods

<http://2ndefhtse.csp.escience.cn/>

Steel in cars and trucks 15-19 June - Braunschweig, Germany www.sct14.com
5th International Conference on Thermal Process Modeling and Computer Simulation [Co-located with Aeromat 2014] 16-18 June - Orlando Florida, USA www.asminternational.org/content/Events/modelin
Heat Treatment 2014 Moscow: Exhibition and Conference 10-12 September - Moscow, Russia www.htexporus.com/
2nd International Conference on Energy and the Future of Heat Treatment and Surface Engineering 11-13 October - Beijing, China http://2ndefhtse.csp.escience.cn/
25th National Conference on Heat Treatment with International Participation 25-27 November - Jihlava, Czech Republic www.asociacetz.cz

Conferences and exhibitions 2015 onwards

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

France, location to be decided; date probably March/April/May 2017

2018 and beyond:

Proposal: **Moscow in 2018 or 2019**. Support in principle from the relevant Moscow city authorities had already 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 France (Bordeaux?) 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

Other notable events 2015

HK 2015 HärtereiKongress
Cologne Germany, 22-24 October 2015

ASM HTS Conference and Expo
Detroit MI USA, September 2015

Ask robert.wood@ifhtse.org for latest information on websites and contact data

