

IFHTSE PROGRAMME 2014

- 21st Congress – Munich Germany 12-15 May (see also page 4)
- 41st Assembly of the Governing Council 12 May (Agenda in this Bulletin in early April)
- Projects
 - LQD (Update at 21st Congress – also see *International Heat Treatment and Surface Engineering* 2014 no. 1)
 - G21 (Workshop at 21st Congress)
 - Education and Training Group proposal (improved exploitation of IFHTSE teaching material resource)
 - Progress on proposed TOOL Group (Leader to be appointed soon)
- *IFHTSE Bulletin* – at least 12 issues
- Journal *International Heat Treatment and Surface Engineering*: Four issues as usual - 2014/1 ('Quenching Special') and 2014/2 contents being finalised. There is plenty of material in hand for later issues but the Editorial Committee will still accept more submissions – priority possible for papers on plant and equipment, novel processes, economics, energy management....)



Reinhold Schneider, President
(Professor for Materials
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Patrick Jacquot, Vice President
(Technical Director, Bodycote
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IFHTSE EXECUTIVE COMMITTEE 2014

Office holders

Schneider, Prof Reinhold	U. of App. Sciences Upper Austria - Wels	Austria	President
Jacquot, Dr Patrick	Bodycote	France	Vice President
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Wood, Robert	IFHTSE		Secretary

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Troell, Dr Eva	IVF Mölndal	Sweden	member
Zoch, Prof Hans-Werner	IWT Bremen	Germany	member

Following the note in the 2013/8 issue of this Bulletin, the IFHTSE Executive Committee membership for 2014 is agreed. After the approval of the membership of the Committee for 2014 at the last



Governing Council Assembly in Cavtat, a vacancy remained. Since then, Prof Mohamed of the Egyptian Society for Heat Treatment has yielded his place on the Committee, making a second vacancy. (The difficulties faced by our Egyptian colleagues now are well known, but in the long-standing IFHTSE tradition of maintaining contact in hard political times, EHTS remains a member and we remain in contact!).

We are glad to be able to tell you that as a result of the nominations received in response to my appeal in the *Bulletin* we have filled the two vacancies: **Dr Eva Troell of IVF in Sweden and Prof Hans-Werner Zoch of IWT Bremen** (our President 2010-11) **have agreed to serve.**

Our President, Prof Reinhold Schneider of TU Wels, Austria, is anxious to ensure that each member of the Executive Committee is fully involved in planning and action throughout the year. To this end proposals will be put to the next Governing Council Assembly relating to changes in the way in which members of the Executive Committee are proposed – with the intention of making changes in time for IFHTSE voting members to consider the composition of the Committee for 2015.

CONFERENCE PLANNING COORDINATION

Since its foundation, IFHTSE has been active in encouraging collaborative planning of international conferences in heat treatment and surface engineering. This applies mainly and especially to those events which primarily or exclusively use the English language, but for timing and to help to avoid significant programme clashes, we also take into account the often annual events held using e.g. Czech, Hungarian, Romanian, French, etc. and we take note of the forward plans for the long-standing German-language event HK (which now also uses English as an additional language).

This Bulletin lists the main conferences of which we have enough advance knowledge. There are practical limits to just how 'rational' the forthcoming programme can be:

- **Heat treatment and surface engineering** is a very important subject and a broad one, and conference activity is one of the better and more practical ways to ensure knowledge transfer and personal communication and networking. Therefore the calendar can be crowded.
- There are many conferences which are of importance and significance for heat treatment and surface engineering people (such as the '**Wear**' series and the various **tribology** conferences - especially the World Tribology Congress, - also some of the material presented in the powder metallurgy and particulate materials series)

The first special issue of *International Heat Treatment and Surface Engineering* was published last autumn 'Developing the world of tooling' (Volume 7 - 2013 no. 3) – papers selected from the 9th International Tooling Conference

Contents:

The tool and die materials research and innovation agenda

Asnafi N

Abnormal grain growth in high-speed steels

Schemmel I, Martinschitz C, Leithner H, Kellezi G

Vacuum heat treatment of high speed steel cutting tools

Rousseau A, Doyle E, McCulloch D

Simultaneous ion nitriding and tempering after deep cryogenic treatment of PM S390MC HSS

Leskovsek V, Podgornik B

Effects of cryogenic and stress relief treatments on temoer carbide precipitation in AISI D2 tool steel

da Silva Farina PF, Bellegard Farina A, Antonio Barbosa C, Goldenstein H

Subzero treatment of PM Vanadis 6 ledeburitic tool steel

Jurci P, Sobotova J, Salabova P, Prikner O, Sustarsic B, Jenko D

Influence of lowered austenitisation temperature during hardening on tempering resistance of modified H13 tool steel

Coll Ferrari MT, Andersson J, Kvarnstrom M

Comparison of plasma and gaseous nitriding for tools on hot massive forming

Hoja S, Klumper-Westkamp H, Hoffmann F, Zoch HW

Use of modern tool steel and surface engineering in sheet cold forming

Hansson P, Liljengren M

- The majority of heat treatment and surface engineering events are held in the Northern Hemisphere and especially in spring and autumn – though this does make opportunities for dates in the Southern Hemisphere winter

There are many series of greater or lesser interest, but the main ones for coordination are

- IFHTSE Congress (various countries - almost annual)
- ASM HTS (USA - every two years)
- HK (Germany; historically in Wiesbaden but in Cologne for 2014 – annual)
- European conference on heat treatment and surface engineering (rotates around a small number of European countries – annual)
- International Conference on thermal process modelling and simulation in heat treatment and surface engineering (ICTPMS)
- International Conference on Energy and The Future of Heat Treatment and Surface Engineering (ICEFHTSE)
- Asian conference on heat treatment and surface engineering
- Mediterranean conference on heat treatment and surface engineering

IFHTSE also coordinates planning with:

- The annual series ‘Surface Modification Technology’
- Tools and tooling conferences (possibly the theme of the next in the Mediterranean series)
- Bremen conferences on Distortion Engineering

The immediate future has the general pattern shown below (some information is still subject to confirmation).






(↕ indicates that the events are joint)

	2014	2015	2016	2017
IFHTSE Congress	Germany (Munich)	Estonia (Tallinn)	USA	France
European Conference	Germany (Munich)	Italy	Czech Rep (Prague)	France
ASM HTS		USA (Detroit)		USA
HK	Germany	Germany	Germany	Germany
World Tribology Congress				Beijing
Mediterranean conf. on heat treatment and surface engineering			Slovenia (Bled)	
ICTPMS	USA (Orlando FL)			??
ICEFHTSE	China (Beijing)			

The Beijing event on energy may also have the designation as an event in the series: Asian Conference on Heat Treatment and Surface Engineering

CONFERENCE AND EXHIBITION DIARY

2014

Powder Metallurgy and Particulate Materials: Conference and Exhibition	
23-25 January - Chennai Tamil Nadu, India	http://pmai.in/pm14/
21st Congress IFHTSE combined with European Conference on Heat Treatment and Surface Engineering	
12-15 May - Munich, Germany	www.heatreatmentconference-munich2014.de
9th International Conference on Industrial Tools and Material Processing Technologies	
9-11 April - Ljubljana, Slovenia	www.tecos.si/icit
2014 PM World Congress	
18-22 May - Orlando FL, USA	www.mpif.org/Meetings/Conference.asp?linkid=14
41st Congress A3TS (French language)	
11-13 June - Reims, France	www.a3ts-congres.fr/
Surface Modification Technology Series no. 28	
15-18 June - Tampere, Finland	www.tut.fi/smt28
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/modeling/
Superficies/Surfaces (Spanish language)	
17 June - Queretaro, Mexico	http://metalspain.com/SUPERFICIES-MEXICO.htm
Heat treatment of metals (Spanish language)	
18 June - Queretaro, Mexico	http://metalspain.com/mexico-2014.htm
13th European Vacuum Conference / 7th European Topical Conference on Hard Coatings	
8-12 September - Aveiro, Portugal	www.evc13.com
Heat Treatment 2014 Moscow: Exhibition and Conference	
10-12 September - Moscow, Russia	www.htexporus.com/
Euro PM	
21-24 September - Salzburg, Austria	http://pm2014.epma.com
Superficies/Surfaces (Spanish language)	
23 September - Bilbao, Spain	http://metalspain.com/india-stand.html
Heat Treatment of Metals (Spanish language)	
24 September - Bilbao, Spain	http://metalspain.com/TT-2013.htm
2nd International Conference on Energy and the Future of Heat Treatment and Surface Engineering	
October or November - Beijing, China	chts@chts.org.cn
HK 2014	
22-24 October - Cologne, Germany	www.AWT-online.org
25th National Conference on Heat Treatment with International Participation	
25-27 November - Jihlava, Czech Republic	www.asociacetz.cz