

European Heat Treatment Conference 2013:

Precision parts – Materials and heat treatment

Europäische Wärmebehandlungskonferenz 2013:

Präzisionsmechanik – Werkstoffe und Wärmebehandlung

Conférence Européenne de Traitement Thermique 2013:

Mécanique de précision – Matériaux et traitement thermique

Luzern, Switzerland 25-26 April 2013

The main programme is now published and registration is open

This Conference is organised by IFHTSE Swiss member SVW and is supported by IFHTSE and IFHTSE member organisations A3TS (France), ASMET (Austria), ATZK (Czech Republic) and AWT (Germany). It also marks the 60th Anniversary of the Swiss association.

Registration fee (EUR)

Standard	500
Speakers and SVW/ASST members:	400
Students:	200

These rates include the complete program, the lunches and coffee breaks and the Gala Dinner on Thursday 25 April Extra Dinner tickets: EUR 125

See page 2 for list of contributions

Contact www.haerten.ch svw@haerten.ch



Materiály v tepelném zpracování

Materials in Heat Treatment

26-27 November 2013 Hotel Gustav Mahler, Jihlava, Czech Republic

The first announcement and call for papers has just been issued by IFHTSE Czech Republic member ATZK

Official Languages: Czech, Slovak and English with simultaneous interpretation

Main Topics:

1. Tool Steels for Heat Treatment
2. Structural Steels for Heat Treatment
3. Heat Treatment of PM Steels
4. Non-Ferrous Materials for Heat Treatment
5. Quality of Heat Treatment Surface
6. Distortion
7. Heat Treatment Technologies and Equipment
8. Poster Session

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www.asociacetz.cz/conference.html

www.asociacetz.cz/conference-en.html

List of papers

- Reaching the limits of precision (D)
Christian Hof (Federal Institute of Metrology METAS, Switzerland)
- Automatic Vickers Case Depth Measurement (D)
Arnold Horsch (AHOTEC e.K., Germany)
- Advantages of Precision Nitriding and Ferritic Nitrocarburizing (E)
Jack Kalucki (Nitrex Metal Inc., Canada)
- Gas nitriding / nitro carburizing. Process control and possible ways to pre-calculate technical parameters. (D)
Stefan Heineck (Stange Elektronik GmbH, Germany)
- C- and N-level-controlled carbonitriding for specific enhancement of the strength properties of components made of roller bearing and case-hardened steels (D)
Karl-Michael Winter (PROCESS-ELECTRONIC GmbH, Germany), Matthias Steinbacher (IWT Bremen Germany)
- Controlled plasma nitriding of steels with the active screen (D)
Kristian Börner (TU Bergakademie Freiberg, Germany)
- Properties of cases treated by using new high-temperature vacuum carburizing technology with the pre-nitriding-option – PreNitLPC option (E)
Marcin Przygónski (SECO / WARWICK EUROPE S.A., PL), P. Kula, J. Olejnik (TU Lodz, Poland)
- Energy efficiency by combining furnace technology and process control (D)
Dirk Joritz (Ipsen International GmbH, Germany)
- Nitrocarburizing and carburizing of stainless steels at low temperatures – Controlling the surface layer structure through controlled process management (D)
Anke Dalke, H.-J. Spies (Technical University Bergakademie Freiberg, Germany)
- Establishing Rolling Friction Coefficient for different Thermochemically Treated Steel Rolling Paths (E)
Daniel Munteanu (Transylvania University Brasov, Romania)
- FEM Analysis of friction for Pressing Dies Controlled by Shot and Heat Treatment (E)
Kosuke Abe (Fukuoka Industrial Technology Centre, Japan)
- Increasing fatigue strength in cylinder crankcases made of GJL by shot peening (D)
Sebastian Slawik, P. Leibenguth (Steinbeis-Forschungszentrum Material Engineering Center Saarland (MECS), Saarland University, Germany)
- Heat treatment of high-speed steel hobs. Analysis of deformations (F)
Daniel Franchi (Ferioli & Gianotti Group, Italy)
- NEAT: Precision when Crossing the Alps (D)
Dino Alfaré (AlpTransit Gotthard AG, Switzerland)
- NADCAP – Certification of special processes in the aviation industry (D)
Karsten Fischer (ddpConcepts GmbH, Switzerland)
- Tracking down improper heat treatment: Materials characterization as the key to quality assurance and failure analysis (D)
Alessio Plas (Sulzer Innotec – Sulzer Markets and Technology, Switzerland)
- Accurate heat treatment results despite differences in basic material (D)
Otmar Bauer, Beat Reinhard (Härterei Gerster AG, Switzerland)
- Inductive fixture hardening and tempering processes (D)
Wilfried Goy (EMA-INDUTEC GmbH, Germany)
- Reducing distortion during hardening of large components by using fixture hardening machines (D)
Harald Juretzko (HEESS GmbH & Co KG, Germany)
- Electron beam hardening in precision parts manufacturing – possibilities and examples of applications (D)
Rolf Zenker (Zenker Consult, Germany)
- Heat treatment of high-performance tool steels – also a matter of precision (D)
Johann Mayerhofer (Böhler Edelstahl GmbH & CoKG, Austria), Marc Geile (Böhler-Uddeholm Deutschland GmbH Germany) Jürgen Bach (HOT GmbH & CoKG, Germany)

The language of presentation is indicated in each case by (E) English, (D) German, (F) French

CONFERENCE CALENDAR

2013

Events of the main IFHTSE programme marked



13-15 March

NANOSMAT-Asia

Wuhan, China www.nanosmat-asia.com

25-26 April

European Conference on Heat Treatment and Surface Engineering

Luzern, Switzerland svw@haerten.ch
www.haerten.ch



16-18 May

Heat Treat and Surface Engineering Conference and Expo

Chennai, India kamachi@iqcar.gov.in



26-29 May

ABM 44th Steelmaking Seminar

Araxa MG, Brazil www.abmbrasil.com.br



11-14 June

2nd Mediterranean Conference on Heat Treatment and Surface Engineering (Including Assembly of the IFHTSE Governing Council)

Dubrovnik-Cavtat, Croatia www.fsb.hr.hdtoip

12-13 June

HIPIMS: 4th International Conference on High Power Impulse Magnetron Sputtering

Braunschweig, Germany www.inplas.de

19 June

Heat Treatment Conference (Spanish language)

Queretaro, Mexico <http://metalspain.com/TT-2013-english-mexico.htm>

3-4 July

A3TS 2013: Treatment of materials and surfaces – Outlook 2020 (French language)

Marseilles, France www.a3ts-congres.fr/

4-9 August

PRICM 8: 8th Pacific Rim International Conference on Advanced Materials and Processing

Waikoloa HI, USA

www.tms.org/Meetings

9-13 September

IVC-19 + +: International Vacuum Congress and related events

Paris, France www.ivc19.com

10-12 September

Heat Treatment 2013 Moscow: Exhibition and Conference

Moscow, Russia www.htexporus.com

15-18 September

EuroPM 2013 (Powder Metallurgy European Conference 2013)

Gothenburg, Sweden www.epma.com/pm2013

16-18 September

ASM Heat Treating Society 27th Conference and Exposition

Indianapolis IN, USA www.asminternational.org/

25 September

Heat Treatment Conference

Bilbao, Spain <http://metalspain.com/TT-2013-english.htm>

9-11 October

HK 2013 (German plus English languages)

Wiesbaden, Germany www.awt-online.org

27-31 October

Materials Science and Technology 2013

Montreal, Canada www.matscitech.org

14-15 November

Baltattrib 2013

Riga, Latvia daņija.loc@rtu.lv

26-27 November

Materials in Heat Treatment

Jihlava, Czech Republic

www.asociacetz.cz/conference-en.html

CONFERENCE CALENDAR

2014 ONWARDS

2014

12-15 May

21st Congress IFHTSE combined with European Conference on Heat Treatment and Surface Engineering
Munich, Germany www.awt-online.org/awt_seminare_und_veranstaltungen/muenchen_2014.html



15-19 June

Steel in cars and trucks

Braunschweig, Germany www.SCT2014.com



October

HK 2014

(Location to be decided), Germany www.awt-online.org

2015

September?

ASM Heat Treating Society 28th Conference and Exposition

Detroit? www.asminternational.org/

2016

22nd Congress IFHTSE

Proposals welcomed robert.wood@ifhtse.org



This *Bulletin* is circulated directly to:

- Around 500 individuals (official representatives of member bodies, people active in various IFHTSE projects, authors of papers in the official Journal International Heat Treatment and Surface Engineering, linking publications, etc.)
- Our networking publications (The Monty, Tratamientos Termicos, Industrial Heating)
- People who have asked to be on the circulation list
- It is also passed on to memberships of several bodies in a number of countries
- Back issues are on the website

