European Heat Treatment Conference 2013:
Precision parts – Materials and heat treatment
Europäische Wärmebehandlungskonferenz 2013:
Präzisionsmechanik – Werkstoffe und Wärmebehandlung
Conférence Européenne de Traitements Thermiques 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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European Heat Treatment Conference 2013 - 25-26 April 2013 Luzern Switzerland

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 (IW T 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 – PreNil LPC option (E)
  Marcin Przygόnski (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)
- 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@igcar.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)

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.http://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

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
Baltmattrib 2013
Riga, Latvia [dagnija.loc@rtu.lv]

26-27 November
Materials in Heat Treatment
Jihlava, Czech Republic [www.asociacetz.cz/conference-en.html]
CONFERECE 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