



- HT&SE 2013 and SMT 27
- 2nd Mediterranean Conference update
- Event In Thailand
- Event in Turkey
- Conference diary information

HT&SE 2013 and SMT 27

Chennai, India, 16-18 May 2013

Against a background of phenomenal growth in Asia, India has come a long way and leads with more than a billion dollar business every year, and even this is growing at an annual rate of 12 %, heat treatment being a critical manufacturing technology in nearly every industrial sector including Automotive, Off-Highway, Railway, Defence, Aerospace and Nuclear.

An excellent opportunity to review the Indian situation and its continuing potential first hand is offered by India's First International Exhibition & Conference on Heat Treatment and Surface Engineering 2013 (HT&SE 2013) from 16 to 18 May 2013 at the Chennai Trade Centre, Chennai, India. The 27th in the Surface Modification Technologies series (SMT 27) will be held as an integral component of the whole event, which is an initiative of the ASM Chennai Chapter. Working with Dr T Sudarshan and colleagues in India, this event is supported by IFHTSE which has made significant input to the expert programme.

Conference scope:

- Advanced Heat Treatment Processes and Furnace Design
- Nitriding, Nitrocarbrushing, Plasma Nitriding
- Physical Metallurgy Aspect of Heat Treatment & Surface Engineering
- Real life Quench Measurement Techniques
- Innovative Process Development and Component Design
- Micro structure/ Property Relationship and Engineering Performance
- Emerging Heat Treatment Process
- Mathematical Modeling, Virtual Processing in Heat Treatment
- Modern Equipment & Intelligent Systems
- NDT Techniques and Online Monitoring of HT Process and Product
- Vapour Deposition Techniques
- Electrochemical Surface Engineering
- Thermal Spray Process
- Surface Analysis & Investigation using Optical Microscopy etc.
- Surface Electrochemistry and Corrosion of Coatings
- Functional Testing of Coatings
- Application of Coatings in Industrial Settings Covering all Fields
- Heat Treatment & Surface Engineering Phenomenon- Properties-Applications
- Alloy Development



Exhibitor profile

- Industrial Heat Treatment Processing Materials
- Commercial Heat Treating Services
- Heat Treat Processing Atmosphere & Generators
- Heat Treat Processing Auxiliary Equipment & Supplies
- Heat Treat Processing Compounds and Solutions
- Heat Treat Process Controls & Instrumentation
- Metal Forming Equipment
- Machining & Metal Cutting Equipment
- Welding and Joining Equipment
- Materials Testing / Characterisation Equipment
- Services & Supplies
- Surface Modification and Coatings
- Surface Treating / Coating-Process & Equipment
- Surface Analysis Cladding and Hard Facing
- Nano and Advanced Coatings and Surface Engineering
- Parts Making / Materials Processing
- Tribology Materials
- Wear and Corrosion Resistance Coating
- Surface Modification & Coatings
- Metals & Alloys
- Furnaces
- Ceramics
- Polymers
- Materials information Resources

<http://www.heattreatexpo-asmchennai.com/#>

2nd Mediterranean Conference on Heat Treatment and Surface Engineering

Dubrovnik-Cavtat, Croatia 11-14 June 2013

UPDATE

Broad outline of programme

- *Tuesday 11 June*
Registration
IFHTSE Governing Council Assembly (afternoon)
- *Wednesday 12 June*
Opening Ceremony; Sessions
- *Thursday 13 June*
Sessions and Conference Banquet
- *Friday 14 June*
Sessions (morning only)
Conference

www.fsb.unizg.hr/hdtoip/IFHTSE%202013.pdf

Accommodation

www.adriaticluxuryhotels.com/hr/hotel-croatia-dubrovnik-cavtat/

In 'Promo code' enter **CSHTSE2013**

Thailand

IFHTSE Thailand member MTEC is holding a (Thai language) **Seminar on 'Hardening of automotive and machine parts', 16-17 May 2013 with INTERMECH Bangkok 16-19 May**

The comprehensive programme, clearly aimed at a wide and non-expert audience, includes

Introduction to metallurgy
Iron–Carbon Equilibrium Diagram
Influence of carbon and alloys in steels
Steel classification

Hardening of steels

- Full hardening
 - Martempering
 - Austempering
- Surface hardening
- Induction hardening
 - Carburizing
 - Carbonitriding

Types of furnace

Quality Test of Hardened Work Piece

- Hardness Test) HB, HV, HRC, HRA, Micro Vickers
- Micro Structure Examination
- Inspection for Surface Crack

www.intermachshow.com

Turkey

ISIL İŞLEM SEMPOZYUMU HEAT TREATMENT SYMPOSIUM

İstanbul Teknik Üniversitesi - Süleyman
Demirel Kültür Merkezi
*Istanbul Technical University - Süleyman
Demirel Cultural Center*

Yeşil Çevre ve Enerjiye Doğru Through green environment and energy

**The 4th (Turkish) Heat Treatment
Symposium and Exhibition**

Istanbul, Turkey, 24 - 25 October 2013

Organized by UCTEA, the Chamber of Metallurgical Engineers, this Symposium, like its predecessors, will assemble producers, suppliers, researchers, marketing experts, and customers. An exhibition will be held alongside. This year the main themes are the environment and energy saving. The specific coverage includes:

- Environmental Issues, Energy in Heat Treatment
- Heat Treatment of Cast Iron
- Heat Treatment of Carbon and Alloy Steels
- Heat Treatment of Tool Steels
- Heat Treatment of Stainless Steels
- Heat Treatment of Non-Ferrous Alloys
- Heat Treatment of Special Alloys
- Surface Treatments
- Thermomechanical Treatments : HIP, Hot Pressing, Brazing
- Heat Treatment Failures and Analysis
- Heat Treatment Equipment and Furnaces
- Safety and Health in Heat Treatment

www.metalurji.org.tr/isilislem

Conference Diary

2013

European Conference on Heat Treatment and Surface Engineering		
25-26 April - Luzern, Switzerland	sw@haerten.ch ; www.haerten.ch	
Heat Treat and Surface Engineering Conference and Expo		
16-18 May - Chennai, India	www.heatreatexpo-asmchennai.com/#	
ABM 44th Steelmaking Seminar	www.abmbrasil.com.br	
26-29 May - Araxa MG, Brazil		
2nd Mediterranean Conference on Heat Treatment and Surface Engineering		
11-14 June - Dubrovnik-Cavtat, Croatia	www.fsb.unizg.hr/hdtoip/IFHTSE%20201	
HIPIMS: 4th International Conference on High Power Impulse		
12-13 June - Braunschweig, Germany	www.inplas.de	
Heat Treatment Conference (Spanish language)		
19 June - Queretaro, Mexico	http://metalspain.com/TT-2013-english-mexico.htm	
PRICM 8: 8th Pacific Rim International Conference on Advanced Materials and Processing		
4-9 August - Waikoloa HI, USA	www.tms.org/Meeting	
IVC-19 + +: International Vacuum Congress and related events	www.ivc19.com	
9-13 September - Paris, France		
Heat Treatment 2013 Moscow: Exhibition and Conference	www.htexporus.com	
10-12 September - Moscow, Russia		
EuroPM 2013 (Powder Metallurgy European Conference 2013)		
15-18 September - Gothenburg, Sweden	www.epma.com/pm2013	
ASM Heat Treating Society 27th Conference and Exposition		
16-18 September - Indianapolis, Indiana, USA	www.asminternational.org/	
Heat Treatment Conference (Spanish language)		
25 September - Bilbao, Spain	http://metalspain.com/TT-2013-english.htm	
HK 2013		
9-11 October - Wiesbaden, Germany	www.awt-online.org	
21st Conference on Materials and Technology		
13-15 November - Portoroz, Slovenia	http://icmt21.imt.si/en/home/	
Materials in heat treatment (Czech, Slovak, English languages)		
26-27 November - Jihlava, Czech Republic	asociacetz@grbox.cz , www.asociacetz.cz/conference-en.html	

Conference Diary continued
2014

21st Congress IFHTSE combined with European Conference on Heat Treatment and Surface Engineering
12-15 May - Munich, Germany

www.awt-online.org/awt_seminare_und_veranstaltungen/muenchen_2014.html



Steel in cars and trucks
15-19 June - Braunschweig, Germany

www.SCT2014.com



5th International Conference on Thermal Process Modeling and Computer Simulation
[Co-located with Aeromat 2014]
16-18 June - Orlando Florida, USA

robert.wood@ifhtse.org



HK 2014
October - (Location to be decided), Germany

www.awt-online.org

2015

ASM Heat Treating Society 28th Conference and Exposition
September? - Detroit?

www.asminternational.org/

2016

Congress IFHTSE
Proposals to be discussed at the June 2013 Assembly

robert.wood@ifhtse.org



BALTMATTRIB - 22nd International Baltic Conference:
Engineering materials and tribology
Late October - Riga, Latvia

www.ttu.ee/

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

