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*IFHTSE President Xu Kewei speaking at the opening session of the 1st International Conference on Energy and the Future of Heat Treatment and Surface Engineering held in Bangkok Thailand 25-27 June, organised by IFHTSE and MTEC*

## Conference in Bangkok June 2012

A report on the Conference will appear in *International Heat Treatment and Surface Engineering* later this year. The programme included contributions from 14 countries including some significant papers on energy policy and planning from the host country.

The full programme is still available on the Conference website

A group of participants took advantage of a day tour to see the facilities of two companies South East of Bangkok: Thai Tohken Thermo Co. Ltd in Chonburi in the morning and Thai Parkerizing Co. Ltd in Samutprakan in the afternoon. The visitors were much impressed by the facilities they saw and IFHTSE is very grateful to the hosts for the hospitality and time they devoted to the briefings and factory tours.

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### JOB OPPORTUNITY (NETHERLANDS)

INTERNATIONAL SALES ENGINEER / INTERNATIONALE(R)  
VERTRIEBMITARBEITER(IN)

**CCPI-MEFEC BV** is the European sales office for the international company CCPI INC. USA, a well-established supplier of temperature measurement products to the metals industry with a strong customer base in aerospace heat treating and aluminum industries. CCPI concentrates on providing value to our customers with high quality products and design capabilities to assist in process and product control for the industries we serve. With all four of our manufacturing facilities holding ISO-9001 accreditation and also two having third party ISO 17025 accredited calibration laboratories we are well situated to meet the strict requirements of our customer base which includes aerospace, medical, pharmaceutical, glass and steel industries. CCPI Europe Ltd. holds UKAS accreditation (Laboratory Number 0600) – CCPI Inc. holds NVLAP accredited – (Laboratory Number 200935-0).

To expand our sales coverage in Europe we are looking for an individual for the position of Regional Sales Manager, reporting to our sales office in Amsterdam. This position requires **willingness to travel** to meet and work with our customers and prospects throughout Europe. You will provide solutions and value to our customers by promoting CCPI products and services for all **temperature sensing applications with particular emphasis on aerospace heat treatment and molten aluminum processing applications**. It is desirable that you have a **technical degree with industrial sales experience**, preferably with knowledge of temperature measurement and/or the metals industry. You will have to be **multi-lingual including good English** speaking capabilities.

Our website [www.ccpinc.com](http://www.ccpinc.com) introduces our company and products. If this opportunity interests you, please send your application with resume to:

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Netherlands

E-mail: [vanvliet@mefec.nl](mailto:vanvliet@mefec.nl)



Stan Lynch, Defence Science and Technology Organisation, Australia, describes the benefits and limitations of the Friction Stir Process



IFHTSE Vice President Reinhold Schneider IFHTSE President Xu Kewei with (centre) Prof Werasak Udomkitchdecha, MTEC Executive Director at the Conference Dinner



**Publication** of the following papers in *International Heat Treatment and Surface Engineering* is under discussion:

Global 21: Energy conservation and the application of renewable energy: recommendation for the heat treatment industry in Thailand

*Paritud (formerly MTEC Thailand)*

Global 21: Global research trends in heat treatment and surface engineering

*Funatani (IMST Inst, Japan)*

New ecological fluid bed nitrocarburizing technology for improving properties X160CrMoV121 steel

*Babul (IMP Warsaw Poland)*

Phase transformation sequence in isothermally heat-treated cast Fe-22wt%Cr-3.2wt%Mo-0.037wt%C duplex stainless steel

*Surasak (Meijo University, Thailand)*

Protective atmosphere induction heating

*Stratton (Matscribe, UK)*

Mathematical modeling of mechanical properties of quenched and tempered steel components


*Smoljan (University of Rijeka, Croatia)*


Active screen plasma nitriding: ASPN

*Collignon (PD2i, France)*

# CONFERENCE DIARY

2012


 **6th International Conf. Quenching and Control of Distortion / 4th International Conf. on Distortion Engineering**  
9-13 September – Chicago II, USA  
([www.asminternational.org/qcd](http://www.asminternational.org/qcd))

 **9th Tooling Conference / 4th International Conference on Heat Treatment of Tools and Dies**  
11-14 September – Leoben, Austria  
([www.tool2012.at](http://www.tool2012.at))

**HK 2012**

10-12 October 2012 Wiesbaden, Germany  
([www.awt-online.org](http://www.awt-online.org))

**BALTMATTRIB - 21st International Baltic Conference: Engineering materials and tribology**  
18-19 October - Tallinn, Estonia  
([www.ttu.ee/baltrim2012](http://www.ttu.ee/baltrim2012))

 **20th Congress IFHTSE**  
23-25 October - Beijing, China  
([www.20iftse.org](http://www.20iftse.org))

**24th National Conference on Heat Treatment with International Participation**  
27-29 November – Jihlava, Czech Republic  
([www.asociace.cz](http://www.asociace.cz))

2013


 **European Conference on Heat Treatment and Surface Engineering**  
25-26 April - Luzern, Switzerland (b.kuntzmann@listemann.com)  
(b.kuntzmann@listemann.com)

 **2nd Mediterranean Conference on Heat Treatment and Surface Engineering**  
11-14 June, Dubrovnik-Cavtat, Croatia (smoljan@riteh.hr)  
(smoljan@riteh.hr)

**ASM Heat Treating Society 27th Conference and Exposition**

16-18 September Indianapolis, Indiana, USA  
([www.asminternational.org/](http://www.asminternational.org/))

2014

 **21st Congress IFHTSE / incorporating European Conference on Heat Treatment and Surface Engineering**  
12-15 May Munich, Germany (awt.ev@t-online.de)

## LIQUID QUENCHANTS DATABASE PROJECT

Progress report at Chicago Conference

In the last three decades, simulation of the quenching process has become a widely accessible engineering tool. One of the most important inputs for computer models is adequate heat transfer data on the quenching process. Yet there is no generally recognized method and technique for measurement, recording and comparison of relative cooling intensities of different quenchants. The database should therefore encompass a range of selected quenchants under specified conditions, data from which could be used worldwide. The whole project is two phase. During Phase 1 the main purpose is to collate the experimental results from participating investigators (institutions or companies) and establish the database that will be used as input for the following Phase 2. The aim of Phase 2 is further development of numerical models and production of appropriate software.

The Liquid Quenchants Database, a global project with more the 30 contributors from 14 countries, is led by the International Federation for Heat Treatment and Surface Engineering.

The first year's activity is summarized in this paper.

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Radisson Blu Hotel, Chicago IL, USA  
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