

- 'Remanufacturing' event, Shanghai
- HIPIMS 2014
- Residual stress symposium at ICEM
- ASM/HTS event 2013
- Hephaestus Award for Totten
- Diary

## Remanufacturing

### CONFERENCE AND EXHIBITION 2-4 DECEMBER 2013

Remanufacturing involves crucial input from heat treatment and surface engineering processes. The Beijing-based China National Key Laboratory for Remanufacturing (NKLR) is organising, in collaboration with the University of Bayreuth in Germany and the Rochester Institute of Technology (RIT) in the USA the '2013 World Remanufacturing Summit' in the Galaxy Hotel, Shanghai, China 2-4 December 2013.

The conference is scheduled to include contributions from globally recognised experts in the field including Prof. Rolf Steinhilper of Bayreuth University (Germany), Dr. Nabil Nasr of RIT (USA). The Conference will also include information on the latest policy decisions of the Chinese National Development and Reform Commission (NDRC); this provides an excellent opportunity for dialogue on issues of worldwide industrial interest.

Among the leaders in the concept and organisation of this event is Professor Xu Binshi, a member of the Chinese Academy of Engineering and a Fellow of IFHTSE



Academician Xu Binshi

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#### Background

In 2008, the NDRC approved 14 companies, including Dongfeng Cummins and Weichai Power, as auto spare parts remanufacturing pilots. IN 2009, MIIT designated 35 companies as well as industry cluster districts as the first mechanical and electrical products remanufacturing pilots. In 2010, the NDRC along with MOST and nine other major ministries issued Opinions On Boosting the Development and Remanufacturing Industry. In 2011, the NPC (National People's Congress) approved the Twelfth Five-Year Plan, clearly pointing out the industrialization of remanufacturing as one of the priority projects for invigorating the economy. The same year, in September, the NDRC issued Notice of Deepening Remanufacturing Pilot Work, which broadened the remanufacturing product category and pilot area. Moreover, the Chinese government has plans to strengthen policy support for remanufacturing pilots and speed up the compilation of the Remanufacturing Products Catalogue.

This year in February, the NDRC approved 28 more companies as the second batch of remanufacturing pilots to speed up the development of China's recycling economy and realize the large-scale development of China's remanufacturing industry. Meanwhile, in order to standardize the remanufacturing industry and guarantee the quality of remanufacturing products, the NDRC, along with the Ministry of Finance, MIIT and AQSIQ issued the Quality & Technical Control Standards on Remanufacturing Units.



### Fifth International Conference on HIPIMS 2014, Sheffield, UK 30 June to 3 July 2014

HIPIMS is the regular international conference with a focus on High Power Impulse Magnetron Sputtering to address the needs of the evolving community of users. Organised by the Joint Sheffield Hallam University - Fraunhofer Institute IST HIPIMS Research Centre in Sheffield, UK, the conference follows a successful four-year run as an international event and 6-year run of the HIPIMS Days in Sheffield.

The oral and poster presentation programme will be complemented by three *Tutorial Courses by the Society of Vacuum Coaters, USA*,

[High Power Impulse Magnetron Sputtering](#), SVC C-323, Prof. A.P. Ehasarian, Sheffield Hallam University, UK and Dr. A. Anders, Lawrence Berkeley National Laboratory, CA, USA

[Practice and Applications of HIPIMS](#), SVC C-333, Dr. R. Bandorf, Fraunhofer IST, Braunschweig, Germany, Prof. A.P. Ehasarian, Sheffield Hallam University, UK

[The Practice of Reactive Sputtering](#), SVC C-317

Updates and [brochure](#) on:  
<http://www.hipimsconference.com>

### ICEM16 Symposium on RESIDUAL STRESSES Cambridge, UK, 7-11 July 2014

Mike Prime, Los Alamos National Laboratory, USA  
Jeremy Robinson, University of Limerick, Ireland and  
Chris Truman, University of Bristol, UK are organising a residual stress session at next year's ICEM16 conference, which will be held in Cambridge, UK, 7-11 July 2014. This is a follow-on to the session organised at the previous ICEM conference held in Porto in 2012. Abstract submissions welcomed on: <http://www.icem16.org/contenu.php?page=abstract>  
Select GT3: Analysis / Applications, Residual stresses (Truman, Prime, Robinson)

### Positive report from ASM HTS conference 2013 Indianapolis

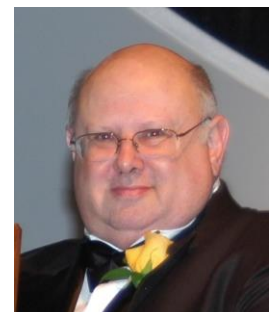
The 27th ASM Heat Treating Society Conference and Exposition (Heat Treat 2013) reports a strong attendance from the heat treating community in the region and a sold out exhibition. Heat Treat 2013 was held in the rust belt city of Indianapolis at the downtown convention center on 16-18 September. The event attracted over 2000 people from the heat treating community, marking a 16% attendance increase from 2011 and 28% increase from 2009. A highlight of Heat Treat 2013 was the special show programming of the Heat Treating 'Master Series' sessions that focused on heat-treating pioneers whose research transformed heat treating technology.

### Hephaestus Award for George Totten

The Nitrex Hephaestus Award recognizes contributions made by academic or industrial researchers to the field of heat treating that have had an impact on surface engineering, materials science, and industrial processes or production techniques.

At this year's symposium, the Hephaestus Award for outstanding scientific contribution will be presented to Dr George Totten, president of G.E. Totten & Associates LLC, for his research in quenching and tribology, as well as his significant contributions to standards development and some 30 years of exceptional work and service to the heat treating and fluids/lubricants communities.

George has served for many years on IFHTSE's Executive Committee and was IFHTSE President 2002-2003, while he was with Union Carbide.



## Conference and Exhibition Diary

### 2013

<b>21st Conference on Materials and Technology</b> 13-15 November - Portoroz, Slovenia	<a href="http://icmt21.imt.si/en/home/">http://icmt21.imt.si/en/home/</a>	
<b>16th International Heat Treatment Exhibition in China</b> 25-27 November - Beijing, China	<a href="http://www.ht-events.com">www.ht-events.com</a>	
<b>Materials in heat treatment</b> (Czech, Slovak, English languages) 26-27 November - Jihlava, Czech Republic	<a href="mailto:asociacetz@grbox.cz">asociacetz@grbox.cz,</a>	

### 2014

#### INTERNATIONAL CONFERENCE ON POWDER METALLURGY & PARTICULATE MATERIALS + EXHIBITION Chennai 23-25 January 2014

Organised by the Powder Metallurgy Association of India, this event takes place in Chennai Tamil Nadu India; this urban complex is home to a very large concentration of automotive enterprises: TVS, TI, Amalgamation, Rane groups, Ashok Leyland, the battle tank factory and Mitsubishi as well as hundreds of SMEs in Ambattur and Guindy established decades before the economic liberalization that brought in Hyundai, Ford, Daimler, BMW, Renault, Nissan, Caterpillar, Komatsu, Delphi, Borg Warner, Allison, Valeo, Visteon, Nemak, Elgin, Mando and scores of SMEs in several industrial estates around the city.



<b>ICIT &amp; MPT</b> 9-11 April - Ljubljana, Slovenia	<a href="http://www.tecos.si/icit">www.tecos.si/icit</a>	
<b>21st Congress IFHTSE combined with European Conference on Heat Treatment and Surface Engineering</b> 12-15 May - Munich, Germany	<a href="http://www.HeatTreatmentConference-Munich2014.de">www.HeatTreatmentConference-Munich2014.de</a>	
<b>Steel in cars and trucks</b> 15-19 June - Braunschweig, Germany	<a href="http://www.SCT2014.com">www.SCT2014.com</a>	
<b>SMT 28</b> 15-18 June - Finland	<a href="mailto:sudarshan@matmod.com">sudarshan@matmod.com</a>	
<b>5th International Conference on Thermal Process Modeling and Computer Simulation</b> [Co-located with Aeromat 2014] 16-18 June - Orlando Florida, USA	<a href="http://www.asminternational.org/content/Events/modeling/">http://www.asminternational.org/content/Events/modeling/</a>	

## 2014 continued


<b>Superficies/Surfaces (Spanish language)</b> 17 June - Queretaro, Mexico <a href="http://metalspain.com/SUPERFICIES-MEXICO.htm">http://metalspain.com/SUPERFICIES-MEXICO.htm</a>
<b>Heat treatment of metals (Spanish language)</b> 18 June - Queretaro, Mexico <a href="http://metalspain.com/mexico-2014.htm">http://metalspain.com/mexico-2014.htm</a>
<b>Superficies/Surfaces (Spanish language)</b> 23 September - Bilbao, Spain
<b>Heat Treatment of Metals (Spanish language)</b> 24 September - Bilbao, Spain <a href="http://metalspain.com/TT-2013.htm">http://metalspain.com/TT-2013.htm</a>
<b>HK 2014</b> 22-24 October - Cologne, Germany <a href="http://www.awt-online.org">www.awt-online.org</a>

## 2015 onwards

### 2015

<b>22nd Congress IFHTSE</b> October - Tallinn Estonia	
<b>HT&amp;SE 2015: Exhibition and Conference</b> 1st week December - Chennai, India	

### 2016

<b>23rd Congress IFHTSE</b> April/May - NE Coast USA	
<b>3rd Mediterranean Conference on Heat Treatment and Surface Engineering</b> November - Cairo Egypt	