INTERNATIONAL FEDERATION FOR
HEAT TREATMENT AND SURFACE ENGINEERING

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Future of the IFHTSE official Journal
'International Heat Treatment and Surface Engineering'

2014 is the eighth year of publication of IFHTSE's official Journal (general description on next page). At the 43rd Assembly of the Governing Council in Munich Germany last May, the President reported on a communication received from the Chief Executive of IOM3 in the UK to the effect that radical changes were needed due to financial losses incurred by IOM3; according to the original agreement, IOM3 has been responsible for the business management and production of the Journal since launch in 2007. The Assembly authorised the Executive Committee to deal with this very serious matter, formulate a constructive response and decide upon a way ahead which, preferably, did not result in closure of the title.

The Executive Committee therefore held a special meeting with the China partners to agree a response to IOM3. This has been done and detailed discussions are now in hand for the transfer of the production process to another of the partners. The IFHTSE Executive Committee hopes that progress can be made sufficiently rapidly to ensure the publication of issues in 2015 with minimal interruption.

Joint Editors Jin Nengyun and Paul Stratton;

This announcement will appear in the final issue of the Journal for 2014:

This issue (volume 8, number 4) of *IHTSE* will be the last under the present publishing arrangements. When the journal was originally established, the four founding partners (the Institute of Materials, Minerals and Mining, the Chinese Heat Treatment Society, the International Federation for Heat Treatment and Surface Engineering and Shanghai Jiao Tong University) agreed that production of the journal could transfer from time to time to balance the relative inputs from each organisation. For the past eight years the journal has been coordinated from the UK with the Institute of Materials, Minerals and Mining supporting all production and management costs. Maney Publishing has from launch organised the editorial management of the quarterly. This arrangement is now set to change from January 2015. Discussions are well advanced through which the other partners will fulfil the production process to ensure the continuity and quality of the publication.

Details of plans for the future will be communicated to subscribers and other interested parties at the earliest opportunity. Volumes published to date will remain available online and subscribers will have access in the same manner. For further information, contact: Mark Hull, Managing Editor, Maney Publishing, email m.hull@maneypublishing.com.

IFHTSE official Journal: *International Heat Treatment and Surface Engineering*
Editorial Committee as at year end 2014

Joint Editors			
Jin, Prof Nengyun	Shanghai Jiao Tong University	Shanghai	China
Stratton, Dr Paul	Matscribe	Bingley	UK
Assistants to Joint Editors			
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Yu, Dr Ning	Shanghai Jiao Tong University	Shanghai	China
Committee members			
Canale, Prof Lauralice	University of São Paolo	São Paolo	Brazil
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Totten, Dr George	G.E. Totten & Associates, LLC	Seattle WA	USA
Wood, Robert	IFHTSE (Secretary to the Editorial Committee)	Guildford	UK
Xu, Prof Bingshe	Taiyuan University of Technology	Taiyuan	China

ABOUT THE JOURNAL

International Heat Treatment and Surface Engineering is a quarterly journal first published in 2007. It communicates efficient industrial practice, in a global context, through improved understanding and operation of long-established and new heat treatment and surface engineering processes. It is the subject of an Agreement among, and is a joint property of, the Consortium formed by:

- International Federation for Heat Treatment and Surface Engineering (IFHTSE)
- Institute of Materials, Minerals and Mining (IOM3)
- Shanghai Jiao Tong University (SJTU)
- Chinese Heat Treatment Society of the Chinese Mechanical Engineering Society (CHTS/CMES)

Since launch in 2007, around 250 invited and submitted papers, including many from conferences, plus a range of short articles and other items of information will have been published by the last issue of 2014. Two '**special issues**' have appeared – **'Developing the world of tooling'** and **'Quenching'** The global spread of sources of material, both industrial and university, has expanded constantly. Of the total of work sources indicated by the author locations the breakdown is approximately:

	%
Europe	42
China/Japan/Korea	21
USA and Canada	9
Latin America	8
Australasia	7
India	3
Egypt	3
Iran	3
Russia FSU	2
South East Asia	1

IFHTSE is extremely grateful for the work of the Joint Editors and the members of the Editorial Committee (see above). Recently, the Committee has been addressing the need to achieve better coverage of work in the Nordic countries and Baltic states, Latin America other than Brazil, Russia and FSU states, Turkey, Middle East, Malaysia, Japan, and Australasia.

There is a stock of material for publication, and work continues on the assumption that the Journal will appear in 2015 and beyond.

CQI-9 / RQP-1: Heat treatment specifications for the automotive industry

As reported in this Bulletin earlier, RQP1 originated as a French proposal for an alternative to the American CQI-9 qualitative specifications (AMS 2750 D procedures) for heat treatment of components for automotive manufacture. That proposal was originally developed for discussion by a special committee of CETIM (the national technical centre of the French engineering industry www.cetim.fr) located in Senlis, North of Paris. The main objective was an alternative to CQI-9, better adapted to the French automotive industry and possibly to the European automotive industry in general.

There are reported to be two main problems with the application of CQI-9:

1. The very large number of checks and controls means that adopting CQI-9 and/or implementing revisions can lead to a counterproductive and sometimes unnecessary increase of up to 10% in costs
2. CQI-9 is not universally regarded as being based on the best available contemporary process technology

Examples of 1 above are:

- Additional time: annual self-assessment; job audits (per product)
- Completing the (at the moment 55-page) Questionnaire and making necessary adaptations
- Additional documentation for each product and plant
- Precise instructions for additional testing
- Additional intermediate and end-point testing
- Fulfilment of specifications for process schedules (largely derived from AMS 2750 D Aerospace Materials Specifications)
- Documentation is usually in English and there are no official translations

The preliminary approach to RQP in detail was discussed at the annual conference of A3TS (a3ts@a3ts.org) in June 2012 in Grenoble, France, by representatives of heat treaters, OEMs, and suppliers.

Since then, RQP proposals have received extensive support from OEMs and from Tier 1 contractors; further work has resulted in conversion of the specifications into a French Standard and the drafting of an ISO version via TC 244.

At the 6th Plenary Meeting of ISO/TC 244 held in Canada on 13 November 2014, TC 244 "resolved to establish a new preliminary work item for the development of a quality standard for heat treatment processes using TPE proposed by France. AFNOR will convene. The Secretariat will ask ISO/CS to register the preliminary work item under the title, 'Heat treatment – Control of quality'."

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Events Diary

2015 MAY	20-22	**IFHTSE 22nd Congress / European Conference on Heat Treatment**	Venice/Mestre	**Itlay**	www.aimnet.it/ht2015.htm	
2015 JUN	03-04	**A3TS Conference [French language]**	St Etienne	**France**	www.a3ts.org	
2015 SEP	23-25	**International Conference on Distortion Engineering**	Bremen	**Germany**	www.distortion-engineering.de	
2015 OCT	20-22	**ASM Heat Treatment Society Conference and Exposition**	Detroit MI	**USA**	www.asminternational.org/	
2015 OCT	28-30	**HK 2015 [languages: German/English]**	Cologne	**Germany**	www.awt-online.org	
2015 NOV	05-06	**Heat treatment and surface engineering for tribological performance**	Tallinn	**Estonia**	www.ttu.ee/baltmattrib2015	
2016 APR	18-22	**23rd Congress**	Savannah?	**USA**	smackenzie@houghtonintl.com	
2016 MAY	11-13	**3rd International Conference on Heat Treatment and Surface Engineering in Automotive Applications /European Conference on Heat**	Prague	**Czech Republic**	www.htconference-prague2016.cz	
2016 SEP	26-28	**3rd Mediterranean Conference on Heat Treatment and Surface Engineering**	Portorož	**Slovenia**	vojteh.leskovsek@imt.si	
2016 OCT	26-28	**HK 2016 [languages: German/English]**	Cologne?	**Germany**	www.awt-online.org	
2017 JUN	26-29	**IFHTSE Congress / European Conference on Heat Treatment**	Nice	**France**	www.a3ts.org	

2015 Congress

IFHTSE 22nd CONGRESS / 2015 EUROPEAN CONFERENCE
27-29 MAY Mestre/Venice Italy

Conference website: www.aimnet.it/ht2015.htm
Exhibition enquiries: marketing@aimnet.it