



INTERNATIONAL FEDERATION OF HEAT TREATMENT AND SURFACE ENGINEERING

Heat Treat 2023 and other conference news

Heat Treat 2023, scheduled for October 17-19 in Detroit, Michigan, is co-located with IMAT 2023 and the Motion+Power Technology Expo in Detroit, Michigan, and will cover many topics of interest. This is the 32nd ASM Heat Treating Society Conference and Exhibition.

At press time, there were about 125 papers submitted from international heat-treating professionals.

The event is also co-located with ASM's Annual Meeting, "International Materials, Applications and Technologies (IMAT)" Conference & Expo, providing Heat Treat attendees with access to 100 materials-related exhibitors and more than 400 additional technical presentations and workshops. Additionally, the Motion + Power Technology Expo 2023 will give attendees access to another 300 exhibitors.

There are numerous student/emerging professionals initiatives, including free college student registration, Fluxtrol Student Research Competition and the new ASM Heat Treating Society Strong Bar Student Competition. This is an opportunity for young professionals and students to meet international heat-treating experts.

The technical program is available at www.asminternational.org/heat-treat/technical.

28TH IFHTSE CONGRESS

November 13-16, 2023 | Yokohama, Japan

Sponsored by the Japanese Society for Heat Treatment, this conference offers participants an opportunity to network and hear papers on a wide-ranging series of topics, including thermal processing of steel, surface hardening additive manufacturing, and modeling and simulation of industrial processes. Important dates:

- » Preliminary program release: June 30, 2023.
- » Deadline of extended abstract: July 25, 2023.
- » Deadline of early registration: July 31, 2023.
- » Deadline of full paper submission: September 22, 2023.

A special issue of JSHT will be published in March 2024 (scheduled). Applicants can submit a full paper to the special issue. Only the presenters of the 28th IFHTSE Congress can submit full papers for this special issue. For more information, go to jsht.or.jp/ifh-tse2023/index.html

[tse2023/index.html](http://www.asminternational.org/heat-treat/technical)

Plenary Lectures

- » Prof. Marcel Somers of Technical University of Denmark: Nitriding and Nitrocarburizing.
- » Prof. Lu Jian of City University of Hong Kong: Grain Refinement.

Keynote Lectures

- » Prof. Massimo Pellizzari of University of Trento, Italy: Heat Treatment for Additive Manufacturing.



A well attended event at a beautiful location.

- » Prof. Imre Felde of Obuda University, Hungary: Heat Treatment Simulation.
- » Prof. Satoshi Tsuchiyama of Kyushu University, Japan: Alloy Design and Microstructure Control.
- » Prof. Rainer Fechte-Heinen of IWT, Bremen, Germany: Quenching and Distortion Control.

THE 5TH INTERNATIONAL CONFERENCE ON HEAT TREATMENT AND SURFACE ENGINEERING OF TOOLS AND DIES

This event, organized by the Chinese Heat Treatment Association



Opening speech from Prof. Xinya Li, president of CHTA.

(CHTA) and the Harbin Institute of Technology was April 24-26 in Hangzhou. This conference was a hybrid event with more than 260 attendees in person and more than 10,000 participants online.

The opening ceremony was presided over by Prof. Mufu Yan from the Harbin Institute of Technology. Prof. Xinya Li, president of CHTA; Dr. Stefan Hock, secretary general of IFHTSE; and Bin Gu, deputy district governor of Yuhang District, Hangzhou, delivered opening speeches respectively, welcoming friends from all over the world gathering in Hangzhou to exchange information about the heat-treatment industry.

NEW EXECUTIVE COMMITTEE MEMBER: JIANFENG GU

Prof. Dr. Jianfeng Gu has been appointed to the executive committee of IFHTSE at the recent governing council assembly.

He is the deputy president of IFHTSE'S member organization Chinese Heat Treatment Society (CHTS), a professor at the School of

Materials Science and Engineering of Shanghai Jiao Tong University (SJTU), and the director of the Institute of Materials Modification and Modeling (IMMM) at SJTU.

He graduated and received his Ph.D. at SJTU, where he pursued his scientific career. Two extensive research and teaching periods took him abroad: One was a two-year postdoctoral fellowship at the University of Troyes (UTT), France, and the other was a one-year senior visiting scholarship at the University of Nevada — Las Vegas (UNLV).

His major research interests include: numerical simulation of heat-treatment processes and its engineering application and microstructure and properties of advanced alloys (high-entropy alloys, additive manufactured titanium alloys, and metamaterials, etc.).



Jianfeng Gu

We welcome Prof. Gu to the executive committee to strengthen and promote the interests of the Chinese HTSE community and IFHTSE.

SPOTLIGHT ON MEMBERS

Russian Society of Metal Science and Heat Treatment (ROMiT)

ROMiT unites specialists in the field of heat treatment of metals, producers of equipment for heat treatment, and researchers in the field of macro- and microstructure obtained after heat treatment.

ROMiT is tasked with uniting specialists of the Russian Federation on physical metallurgy, thermal processing equipment, and control processes of heat treatment. It is also tasked with standardizing the terminology and names processes of heat treatment in coordination with international organizations. ROMiT is a hybrid of industrial and academic participants, providing a trade group responsible for exhibitions and conferences promoting the interests of the heat-treating and surface-engineering community in Russia.

IFHTSE is a federation of organizations not individuals. There are three groups of members: scientific or technical societies and associations, universities and registered research institutes, and companies.

IFHTSE LEADERSHIP

EXECUTIVE COMMITTEE

Prof. Masahiro Okumiya | President
Toyota Technological Institute | Japan

Eva Troell | Past President
RISE IVF Research Institutes of Sweden | Sweden

Prof. Massimo Pellizzari | Vice President
Dept. of Industrial Engineering, University of Trento | Italy

Dr. Stefan Hock | Secretary General
IFHTSE | Italy

Dr. Imre Felde | Treasurer
Óbuda University | Hungary

OTHER MEMBERS

Prof. Rafael Colas | Universidad Autónoma de Nueva Leon | Mexico

Prof. Jianfeng Gu | Shanghai Jiao Tong University | China

Dr. Patrick Jacquot | Bodycote Belgium, France, Italy | France

Prof. Larisa Petrova | MADI University | Russia

Prof. Reinhold Schneider | Univ. of Appl. Sciences Upper Austria | Austria

Prof. Marcel Somers | Technical University of Denmark | Denmark

Prof. Kewei Xu | Xi'an University | China

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