



INTERNATIONAL FEDERATION OF HEAT TREATMENT AND SURFACE ENGINEERING

World Congress keynote speakers and topics revealed

The ASM Heat Treating Society (HTS) and the International Federation for Heat Treatment and Surface Engineering (IFHTSE) proudly present the highly anticipated 29th IFHTSE World Congress, a premier global event dedicated to advancing the fields of heat treatment and surface engineering. Co-located with ASM's Annual Meeting, IMAT 2024, the congress is scheduled for September 30-October 3, 2024, in Cleveland, Ohio.

The 2024 IFHTSE World Congress revolves around the theme "Innovations in Heat Treatment and Surface Engineering for a Sustainable Future." Emphasizing the critical role of these technologies in shaping a sustainable world, the event will explore the latest developments, breakthroughs, and practices that can enhance the efficiency, performance, and environmental impact of heat treatment and surface engineering processes. In addition, traditional heat-treating topics will be offered.



The 29th IFHTSE World Congress, a premier global event dedicated to advancing the fields of heat treatment and surface engineering, will be held Sept. 30 to Oct. 3 in Cleveland, Ohio. (Courtesy: Shutterstock)

KEYNOTE SPEAKERS

The keynote address on Monday, September 30, will be given by Professor Tadashi Furuhashi, with the Institute for Materials Research (IMR) at Tohoku University. The IFHTSE medalist will speak on "Alloying effects on microstructure development in high strength steels — from bulk to surface."

On Tuesday, October 1, the keynote address will be given by Professor Sabine Denis, Université de Lorraine. The IFHTSE Fellow will speak on "Heat Treatment Numerical Simulations: from the Early Works to Today's Achievements and Perspectives."

Thomas L. Christiansen, director CHTE, Worcester Polytechnic Institute, is scheduled to give the keynote address on Wednesday, October 2. The topic of his speech will be "Current challenges and future opportunities within heat treatment of steel."

There will be an Inoue Memorial Symposium on Quenching Technologies and Distortion Wednesday, October 2. This symposium will honor Prof. Tatsuo Inoue, who passed away in September 2023. Prof. Inoue was instrumental in much of the modeling and develop-

ment of thermos-mechanical coupling of phase transformation.

FUTURE OF HEAT TREATING WORKSHOP

As part of the event, a special workshop on the Future of Heat Treating will be Monday, September 30, 3-5 p.m. This two-hour session will delve into three critical areas of heat treating and surface engineering: data/IoT, sustainability, and education. Led by subject matter experts and facilitators from IFHTSE, participants will engage in round-table discussions, shaping a strategic plan for the global heat treat community's needs over the next three to five years. With an interactive format and opportunities for networking, this workshop promises insightful exchanges and actionable outcomes. Reserve your spot now and be part of shaping the future of heat treating. There is no additional fee to participate; however, pre-registration is required.

» More info: www.asminternational.org/ifhtse-congress

THIRD INTERNATIONAL CONFERENCE ON QUENCHING AND DISTORTION ENGINEERING

May 6-8, 2025 | Vancouver, Canada

The Third International Conference on Quenching and Distortion Engineering will be in conjunction with AeroMat 2025, May 5-8, in Vancouver, Canada. This is a continuation of the successful Distortion Engineering conference series and the Quenching and Distortion conference series. The first QDE was in Chicago in 2012 and has occurred at approximately five-year intervals. There is a strong focus on the effects of residual stress during manufacturing and methods to control distortion and residual stress. The deadline for abstract submission is September 5, 2024.

MOTION IN HEAT TREATMENT – HEAT TREATMENT IN MOTION

June 4-6, 2025 | Prague, Czech Republic

The Motion in Heat Treatment — Heat Treatment in Motion conference is the fifth in its series. This conference is sponsored by AZTK (ASOCIACE PRO TEPELNÉ ZPRACOVÁNÍ KOVU) and will be at the Kaiserstein Palace. This event follows the third conference in Prague in 2016 and the fourth conference in Spartanburg, South Carolina. While the previous focus of the event was primarily on automotive applications, the focus has been widened to all transport applications including automotive, rail, and aircraft and marine applications of heat-treated and surface-engineered components. The event is combined with the European Conference on Heat Treatment.

IMPORTANT DATES

- » **Abstract submission:** November 15, 2024.
- » **Full paper submission:** March 15, 2025.
- » **Submission of presentations:** May 15, 2025.

30TH IFHTSE WORLD CONGRESS

August 18-21, 2025 | Suzhou, China

The 30th IFHTSE World Congress is sponsored by the Chinese Heat Treatment Society (CHTS) and follows the 25th World Congress held in Xi'an in 2018. More details are forthcoming.

IMPORTANT DATES

- » **Deadline for abstract submission:** February 28, 2025.

IFHTSE EVENTS

SEPTEMBER 30-OCTOBER 3, 2024

29th IFHTSE Congress

Cleveland, Ohio | with IMAT and ASM's annual meeting

MAY 6-8, 2025

3rd QDE - International Conference on Quenching and Distortion Engineering

Vancouver, Canada

JUNE 4-6, 2025

Motion in Heat Treatment – Heat Treatment in Motion

Prague, Czech Republic

AUGUST 18-21, 2025

30th IFHTSE World Congress

Suzhou, China

For details on IFHTSE events, go to www.ifhtse.org/events



IFHTSE LEADERSHIP

EXECUTIVE COMMITTEE

Prof. Massimo Pellizzari | President
University of Trento | Italy

Prof. Masahiro Okumiya | Past President
Toyota Technological Institute | Japan

Dr. Lesley Frame | Vice President
University of Connecticut | USA

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

Bernard Kuntzmann | Listemann AG | Switzerland

Dr. Scott Mackenzie | Quaker Houghton Inc | USA

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. Mufu Yan | Harbin Institute of Technology | China

ONLINE www.ifhtse.org | EMAIL info@ifhtse.org