



INTERNATIONAL FEDERATION OF HEAT TREATMENT AND SURFACE ENGINEERING

World Congress, other conference updates



The 29th IFHTSE World Congress, dedicated to advancing the fields of heat treatment and surface engineering, will be in Cleveland, Ohio. (Courtesy: Shutterstock)

The ASM Heat Treating Society (HTS) and the International Federation for Heat Treatment and Surface Engineering (IFHTSE) 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 October 1–3, 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.

CONFERENCE HIGHLIGHTS

» **Monday keynote, September 30:** This will be given by IFHTSE Medalist Professor Tadashi Furuhashi with the Institute for Materials

Research (IMR), Tohoku University. The topic will be “Alloying effects on microstructure development in high strength steels — from bulk to surface.”

» **Tuesday keynote, October 1:** This will be given by IFHTSE Fellow Professor Sabine Denis with the Université de Lorraine. The topic will be “Heat Treatment Numerical Simulations: from the Early Works to Today's Achievements and Perspectives.”

» **Wednesday keynote, October 2:** This will be given by Thomas L. Christiansen, Director CHTE, Worcester Polytechnic Institute. The topic will be “Current challenges and future opportunities within heat treatment of steel.”

Also, on Wednesday, the “Inoue Memorial Symposium on Quenching Technologies and Distortion” is scheduled. This symposium will honor Prof. Tatsuo Inoue, who died in September 2023. Prof. Inoue was instrumental in much of the modeling and development of thermos-mechanical coupling of phase transformation.

MORE INFO www.asminternational.org/ifhtse-congress

MORE CONFERENCES

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, also in Vancouver. 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 continued at approximately five-year intervals. This conference has a strong focus on the effects of residual stress during manufacturing and methods to control distortion and residual stress.

Motion in Heat Treatment – Heat Treatment in Motion
Prague, Czech Republic | June 4-6, 2025

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 in Prague. This event follows the 3rd conference that was in Prague in 2016 and the 4th 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
Suzhou, China | August 18-25, 2025

The 30th IFHTSE World Congress is sponsored by the Chinese Heat Treatment Society (CHTS), and it follows the 25th World Congress in Xi'an in 2018. More details are forthcoming as available. Deadline for abstract submission is February 28, 2025, with notice of acceptance March 10, 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



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