



INTERNATIONAL FEDERATION OF HEAT TREATMENT AND SURFACE ENGINEERING

Mark your calendars for these important conferences scheduled for 2026



The 7th Asian Conference on Heat Treatment and Surface Engineering of Materials (7AHTSE2026) will be in Chengdu. (Courtesy: Shutterstock)

7th Asian Conference on Heat Treatment and Surface Engineering September 10-12, 2026 Chengdu, China

The 7th Asian Conference on Heat Treatment and Surface Engineering of Materials (7AHTSE2026) will be in Chengdu, Sichuan Province, China, September 10-12, 2026. The conference will focus on the latest research progress, technological frontiers, and future trends in the field of material heat treatment and surface engineering and is committed to promoting deep integration and collaborative innovation in this field in the Asian region.

The Asian Conference on Heat Treatment and Surface Engineering of Materials (AHTSE) is an important series of international conferences jointly initiated by China, Japan, South Korea, and other countries. It focuses on the latest research and developments in surface engineering and heat treatment.

DEADLINES

- » **Extended abstracts/full papers submission:** July 31, 2026.
- » **Notification of acceptance:** August 5, 2026.
- » **Early bird registration:** August 31, 2026.

31st IFHTSE World Congress October 13-15, 2026 Cologne, Germany

The 31st IFHTSE World Congress is organized by AWT – Arbeitsgemeinschaft Wärmebehandlung + Werkstofftechnik e. V. and will be in Cologne, Germany, October 13-15, 2026, at the International Conference and Trade Fair.

In addition to the World Congress, the event will also feature HK 2026 and the European Conference on Heat Treatment 2026.

This will truly be a huge event. If you have never attended the AWT HK (Härtereikongress) event, this is one of the largest (if not the largest) heat-treating trade show in the world. This, combined with ECHT 2026 and the 31st World Congress, will be the one event to attend.

The largest European congress on topics of heat treatment and materials technology, manufacturing and process engineering in 2026 is organized in cooperation with the International Federation for Heat Treatment and Surface Engineering (IFHTSE) as well as the European heat treatment associations from France, Austria, Switzerland, the Czech Republic, Slovakia, and the Benelux countries. Due to the expected number of lecture registrations, the congress event is planned as a three-day event. The language of the conference will be English.



The 31st IFHTSE World Congress will be in Cologne, Germany. (Courtesy: Shutterstock)

TOPICS

HeatTreatmentCongress, IFHTSE World Congress, ECHT 2026

- » Heat treatment – processes, systems, media, safety.
- » Sustainability concepts for heat treatment plants and process chains.
- » Artificial intelligence, simulation and digitalization.
- » Production and processing of components in the process chain.
- » Properties of components in processing.
- » New material developments.
- » Material analysis and quality control.

Steel Innovation

- » Materials Engineering steel.
- » Digital steel technology.
- » High strength and wear-resistant steels.
- » Sustainable steel – recycling, re-use and re-manufacturing.
- » Corrosion-resistant steels.
- » Hydrogen embrittlement / steel development for the hydrogen economy.

- » Materials testing for steel.
- » Increasing the damage tolerance of steels.
- » New steel concepts for additive manufacturing.

CROSS GLOBAL INDUSTRY HIGHLIGHT

In addition to the extensive scientific and technical program, attendees will have the unique opportunity to experience a major international exhibition and trade fair with approximately 150 exhibitors. Leading companies from around the world will present their latest developments in equipment, services, operating materials, and other relevant technologies essential for the heat treatment and surface engineering industries. The exhibition will provide invaluable networking opportunities and foster collaborations between academia and industry.

DEADLINES

- » **Notification of abstract acceptance:** May 15, 2026.
- » **Deadline for proceedings manuscript (extended abstract 2-4 pages):** July 15, 2026.

MORE INFO www.hk-awt.de



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