

第 31 回 IFHTSE (国際熱処理・表面工学) 国際会議のお知らせ

第 31 回 IFHTSE (国際熱処理・表面工学) 国際会議が 2026 年 10 月 13 日～15 日にドイツ・ケルンの Cologne trade fair で HK2026, ECHT2026, Steel Innovation と同時に開催されます。講演申込のアブストラクトの締切りは 2026 年 3 月 15 日で、1,800 文字 (スペースを含む) 以内のアブストラクトと、「.jpg」形式の写真を送る必要があります。アブストラクトは英語で書く必要があります。署名済みの著作権譲渡フォームを添付する必要があります。また 7 月 15 日までは拡張アブストラクトの提出が必須です。詳細は第 31 回 IFHTSE 国際会議のホームページを参照してください。

第 31 回 IFHTSE 国際会議のホームページ

<https://www.hk-awt.de/kongress/>

締切り等

アブストラクト提出期限：2026 年 3 月 15 日

アブストラクト採択通知：2026 年 5 月 15 日

大会要旨原稿 (拡張アブストラクト)：2026 年 7 月 15 日

プログラム案は 2026 年 5 月末に IFHTSE 国際会議のホームページにて公開予定

Call for Papers 2026

講演募集案内は下記の URL にあります。

<https://admin.kma-int.de/uploads/taxonomy/99c8522bf8.pdf>

13 – 15 Oct. 2026
Cologne trade fair



HK 2026
HeatTreatmentCongress



82nd HeatTreatmentCongress
31st IFHTSE-World Congress
European Conference on Heat Treatment (ECHT)
4th Conference Steel Innovation

www.hk-awt.de

Call for papers

Dear Esteemed Colleagues, Researchers, Industry Leaders, and Innovators,

It is with immense pleasure and a truly warm welcome that we invite you to four conferences at a glance: 31st IFHTSE-World Congress, European Conference on Heat Treatment, Heat Treatment Congress, and Steel Innovation, to be held in the vibrant and historic city of Cologne, Germany, in October 2026.

This conference has been carefully designed to be the world's leading gathering for professionals dedicated to advancing the critical fields of materials, heat treatment, and surface engineering. In an era where material performance is paramount to technological progress, the need for robust, innovative, digital, and sustainable solutions has never been greater.

We invite you to join us in Cologne and explore the forefront of scientific discovery and industrial innovation. This exceptional event provides an outstanding platform for the exchange of cutting-edge research, groundbreaking developments, and practical applications that are shaping the future of our industry. From fundamental metallurgical insights to revolutionary process technologies, our program will encompass a broad spectrum of topics reflecting the dynamic nature of heat treatment and surface engineering.



Ph.D. Lesley Frame
(IFHTSE Vice President)



Dr. Thomas Waldenmaier
(AWT Chairman)

We cordially invite you to contribute to this prestigious event by submitting your research and findings. Your active participation will be instrumental in making the conferences a truly impactful and memorable experience. The congress is planned as a three-day event, with English as the conference language.

Abstracts of up to 1,800 characters (including spaces), along with your photo, should be submitted via the webform at the website www.hk-awt.de. Please note that only English abstracts can be accepted.

Abstract Deadline: 15 March 2026

Notification of abstract acceptance: 15 May 2026 Preliminary Program: 30 May 2026

Deadline for proceedings manuscript (extended abstract): 15 July 2026

We eagerly anticipate welcoming you to Cologne in October 2026, where together, we will forge new pathways for innovation and collaboration. The main topics of the various conferences are:

31st IFHTSE-World Congress, ECHT, HeatTreatmentCongress (HK)

- 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 characterization 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

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Vice President of IFHTSE, USA)

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Cross-industry Global 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.

Leading companies from around the world will present their
latest developments in equipment, services, operating materials
and other relevant technologies that are essential for the heat
treatment and surface engineering industries. The exhibition will
provide invaluable networking opportunities and a chance to
discover new solutions while fostering collaborations between
academia and industry. Special offers for complete stands and
for newcomers can also be found on the website.

Congress tickets include exhibition admission. Tickets only for
the exhibition admission can be purchased separately. The
ticket shop will be available from the beginning of June 2026 on
the website www.hk-awt.de.

Questions about the event will be answered by the AWT-office.
Phone +49 421 5229339, info@awt-online.org.

Questions about the exhibition booking will be answered by the
exhibition office of F&E Technologiebroker Bremen GmbH,
Phone +49 421 3972850, contact@congressmanagement.info.

