

Organised by

ATZK
ASSOCIATION
for the Heat Treatment of Metals



ECHT2025
European Conference
on Heat Treatment

June 4th – 6th 2025

Kaiserstein Palace

Prague, Czech Republic



First Announcement & Call for Papers

European Conference on Heat Treatment

**Motion in Heat Treatment
– Heat Treatment in Motion**

5th International Conference on Heat Treatment and Surface Engineering
in Automotive and Transportation Applications

in cooperation with





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Conference topics

- Heat Treatment (Steels, Non Ferrous and Complex Alloys)
- Thermochemical Treatments
- Quenching Technology (Equipment and Quenchants)
- Surface Hardening (Induction, LASER, EB)
- Residual Stresses and Distortion
- Heat Treatment / Powder Metal Parts
- Treatment of Additive Manufactured Parts
- Testing and Characterization of Heat Treated Parts
- Innovative Coatings for Corrosion, Wear and Tribology
- Digitalization - Industry 4.0, Artificial Intelligence (AI)
- Numerical Simulation in Heat Treatment
- Surface Cleaning and Preparation
- Energy Savings and CO2 Reduction, Energy Efficiency Enhancement
- Sustainability in Heat Treatment and Surface Engineering
- Environmental Aspects in Heat Treatment and Surface Engineering
- Hydrogen in HT industry



Aichelin Young Speaker Award

- by a speaker under 35 years of age
- on an issue of high scientific or commercial relevance
- with implication for the industrial practice
- in a clear and comprehensible fashion
- accompanied by concise and plausible visualization
- with poised and competent answers to any questions from the audience

The award is endowed with the sum of 1 500 €.



Burgdorf Poster Award

The best posters will be awarded and announced during the conference and in the reports. We value posters equally as oral presentations. They give you the chance to present your results, graphs and pictures in a non-transient form and discuss them with the participants during the dedicated poster session or any other time.



Exhibitors / Sponsorship

Technical exhibitions will be held during the conference as a part of this event. These exhibitions will represent many areas of heat treatment and automotive and transportation industry as equipment, products, services, facilities and instruments. Companies will be able to take advantage of benefits offered to them as Sponsors of the Conference and so they improve their company presentation and identification.

Date

June 4th – 6th 2025

Venue

The Conference will be held in Prague, in **Kaiserstein Palace** – the jewel of the lower part of Malostranské Square. Address: Kaiserstein Palace, Malostranské nám. 23/37, 110 00 Malá Strana

Language

The official language of the congress is English. There will be no translation facilities available for the congress participants.

Proceedings

The full text of the accepted papers will be published in the ebook proceedings and issued to attendees on arrival at the Conference. Certain papers may be considered for publication in different scientific journals.

Authors information

- one author for each paper, the other authors shall register as regular participant
- speakers failing to register or to pay by the deadline will not be included in the program and their paper will not be published

Deadlines

- submission of abstracts of papers (posters) / **November 15, 2024**
- full paper submission / **March 15, 2025**
- full presentation submission / **May 15, 2025**

Contents of abstract

Please submit your abstracts (300–400 words) via the conference website (online form provided): www.atzk-echt2025.com or by e-mail conference2025@asociacetz.cz. The abstract should include: paper title, author's names and postal address, phone and e-mail, with the name of the presenting author underlined. If enough abstracts are received, the Organising Committee reserves the right to include received papers into the poster session.

Range and format of papers into proceedings

Up to 8 pages incl. pictures, PDF format. Please send papers by e-mail. Deadline for papers is **March 15, 2025**. In the case of publication in an open-access journal or in the case of other journals, extended abstract (min. 4 pages) will be accepted as the manuscript.

Information for the authors of Posters

The poster session will take place on June 4, 2025 from 4:00 p.m.. The authors are kindly requested to come on June 4, 2025 at 4:00 p.m., at the beginning of the meeting of the poster session. The area at the disposal of the authors of posters will be 900 mm x 2 000 mm.

Presentation

Please send your PPT presentation (PowerPoint) until **May 15, 2025** on the address conference2025@asociacetz.cz. The name of the presentation should follow the next example with filename of **surname_echt2025_titleofpaper.*** (*the first 10 symbols of title). If possible, please use the following ppt template (16:9). Length of presentation will be 20 min incl. discussion.

Correspondence address

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