

6th ICHTSE-ATA & 8th ACHTSE in OSAKA JAPAN 6-10 November 2028



6th International Conference on Heat Treatment and Surface Engineering in Automotive and Transportation Applications & 8th Asian Conference on Heat Treatment and Surface Engineering

The two IFHTSE Conference will be held together in Osaka – Japan on 6-10 November 2028. The two conferences aim at providing a forum within engineers, scientists, researchers and production managers can review and discuss fundamentals, new challenges, recent progress and emerging topics in the fields of advanced heat treatment and surface engineering technology.

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Organized by

The Japan Society for Heat Treatment (JSHT)

The International Federation for Heat Treatment and Surface Engineering (IFHTSE)



Venue

Senri Life Science Center

1-4-2 Shin-Senri Higashimachi, Toyonaka City,
Osaka Prefecture, Japan



Important Dates

Abstracts Submission Deadline	April 17, 2028
Notification of acceptance	April 28, 2028
Preliminary program	June 19, 2028
Extended abstract Submission Deadline	July 30, 2028
Full Papers Submission Deadline (Option)	October 20, 2028



Conference Topics

- ▶ Thermal processing of Iron and Steels (annealing, hardening, tempering, Q & T, Q & P)
- ▶ Thermal processing of Non-Ferrous alloys (annealing, age hardening)
- ▶ Metallurgy and Properties of heat treated and/or deformed steels and non-ferrous alloys
- ▶ Thermochemical treatment (carburizing, carbonitriding, nitrocarburizing, nitriding)
- ▶ Surface hardening (induction, laser, electron beam...)
- ▶ Quenching technology (equipment and quenchant)
- ▶ Thermal and thermochemical treatment in additive manufacturing
- ▶ Coating technology (PVD, CVD, plasma, thermal spray,...)
- ▶ Brazing (vacuum, induction,...)
- ▶ Physical metallurgy in heat treatment and surface engineering
- ▶ Control and investigation of heat & surface treated products
- ▶ Modelling and simulation of thermal and surface engineering processes
- ▶ Residual stresses and distortion
- ▶ Industrial heat & surface treatment equipment (design, process optimization,...)
- ▶ Reliability, process control and artificial intelligence in thermal processing
- ▶ Energy savings (process optimization, CO₂-reduction, hydrogen)
- ▶ Environmental aspects in heat treatment and surface engineering
- ▶ Shot Peening

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6th ICHTSE-ATA & 8th ACHTSE 2028 OFFICE

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