

4th Mediterranean Conference on Heat Treatment and Surface Engineering

AIM is pleased to announce the 4th Mediterranean Conference on Heat Treatment and Surface Engineering (MCHTSE 2024) and the 5th International Conference on Thermal Process Modeling and Simulation (TPMS-5).

The two IFHTSE Conferences will be held together in Lecce - Italy, on 17-19 April 2024.

The two conferences aim at providing a forum within which 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.

IMPORTANT DATES

Abstracts Submission Deadline: October 31, 2023
Notification of acceptance: December 15, 2023
Preliminary program: January 31, 2024
Full Papers Submission Deadline: February 28, 2024

CALL FOR PAPERS

Please submit your abstracts (300-400 words) and select the conference and topics via the Conferences website:
www.aimnet.it/mc-tpm.htm
The official language of the Conference will be English.

MAIN TOPICS

The scope of MCHTSE 2024 is broadly within the domain of new challenges, recent progress and emerging ideas in the fields of advanced heat treatment and surface engineering technology. Papers for this event should address in particular, but not exclusively:

- Thermal processing of iron and steels
- Thermal processing of non-ferrous alloys
- Thermochemical treatment
- Surface hardening
- Quenchants and quenching technology
- Coating technology
- Environmental aspects in heat treatment and surface engineering
- Reduction of fossile energy in heat treatment
- Thermal and thermochemical treatment in additive manufacturing
- Physical metallurgy in heat treatment and surface engineering
- Testing & characterization of heat & surface treated components
- Advanced heat treating manufacturing processes
- Cryogenic treatment
- Industrial heat & surface treatment equipment energy savings and CO₂-reduction



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PROCEEDINGS

The full text of the accepted papers will be published in the electronic proceedings and issued to attendees on arrival at the Conference. Certain papers may be considered for publication in the AIM journal *La Metallurgia Italiana* – International Journal of the Italian Association for Metallurgy, which is covered in the Science Citation indexed by Clarivate Analytics (formerly Thomson Reuters), and in Scopus by Elsevier B.V.

CONFERENCE VENUE

The Conference will be held in Lecce (Italy). Called "the Florence of the South," Lecce is the provincial capital of the Salento area. The city enchants visitors with its stunning Baroque historic centre and the splendid sea right on its doorstep.

**RICHELIN YOUNG
SPEAKERS AWARD**

The award will be given at these conferences
for the best talk:

- 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
- at an IFHTSE Conference in Europe.

The award is endowed with the sum of 1500 €.
With the abstracts submission to the conference, please
indicate your date of birth, and if you are eligible...
...take the chance!

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