

International Conference on Thermal Process Modeling and Simulation

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

MAIN TOPICS

TPMS-5 aims at covering all aspects of modeling and simulation of thermal process:

- Modelling and simulation of thermal processes and surface engineering
- Phase transformation & alloy design
- Heat treatment
- Deformation & recrystallization
- Residual stress & distortion
- Melting & casting
- Welding & coating
- Additive manufacturing
- Artificial intelligence, process control and reliability in thermal processing and surface engineering
- Advanced methods and tools for computer integrated processing of materials

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.



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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.

**RICHELIA 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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