

14th European Symposium on
Martensitic Transformation

ESOMAT 2027

06 to 10 September 2027
Bochum, Germany

Dear Community,

On behalf of the Organizing Committee, we are pleased to invite you to the 14th European Symposium on Martensitic Transformations - ESOMAT 2027, which will be held from 06 - 10 September 2027 in Bochum, Germany.

Since its first edition, held in Bochum in 1989, the ESOMAT has been one of the most important events for scientists who are interested in martensitic transformation-based phenomena, shape memory alloys, magnetic shape memory alloys, martensite in steel and ceramics.

ESOMAT 2027 covers all aspects of martensitic transformations, from theory, modelling, experimental characterization, fabrication and processing, structure/property relations towards novel applications.

The Symposium Chairs



Jan Frenzel

Ruhr-University Bochum, DE

Sebastian Fähler

Helmholtz-Zentrum Dresden-Rossendorf, DE

ORGANIZING SOCIETY

GERMAN SOCIETY FOR MATERIALS SCIENCE

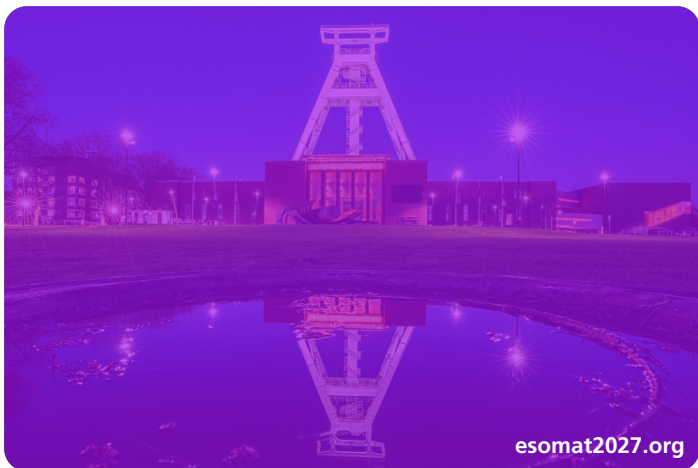
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esomat2027.org



Conference Office

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TOPICS OF ESOMAT 2027:

- Materials With Martensitic and Other Displacive Transformations
- Superelasticity, Pseudoelasticity and Shape-Memory Effects
- Correlation of Microstructure, and Functional Properties
- Thermomechanical Behavior, Fatigue and Fracture
- Advanced Processing Techniques, Heat Treatments, Aging, Ordering and Stabilization
- Computational Material Design and Alloy Development
- Scale and Time Bridging Experiments and Simulations
- 3D Additive Manufacturing
- Kinetics and Dynamics at Short and Long Time Scales
- Elastocaloric Cooling, Thermoelastic Energy Harvesting, New Functionalities and Emerging Applications
- Advanced Materials Characterization

Abstract Submission starts September 2026.