



INTERNATIONAL CONFERENCE ON MARTENSITIC TRANSFORMATIONS

September 7-12, 2025

OREA Hotel Pyramida, Prague, Czech Republic

We are pleased to announce the next International Conference on Martensitic Transformations ICOMAT 2025, which will take place in Prague, Czech Republic.

Nearly half a century after the first ICOMAT conference in Kobe, Japan and then in about three years period in many beautiful cities across Europe, America and Asia, the alluring Central European city of Prague with all its historic landmarks is looking forward to welcoming the continuously growing and flourishing martensite community.

As common for decades, the conference program of ICOMAT 2025 will cover all branches of current research in the field of martensitic transitions and phase-transforming materials.

The conference program will include six plenary talks by distinguished speakers and relatively large number of invited talks selected from the submitted abstracts. The plenary and invited talks will be complemented by regular oral and poster sessions.

On behalf of IAC committee, we are looking forward to seeing you all in Prague!

Oleg Heczko, Chairman, Petr Šittner, Hanuš Seiner, Vice-chairmen

Plenary Speakers:

- **Francisca G. Caballero** (CENIM-CSIC, Spain)
- **Sebastian Fähler** (HZDR, Germany)
- **Hideki Hosoda** (MLS TITECH, Japan)
- **Dave Srolovitz** (HKU, Hong Kong)
- **Aaron Stebner** (MSE - GATECH, USA)
- **Qingping Sun** (HKUST, Hong Kong)

Topics:

- Theory of Martensitic Transformation and Fundamental Phenomena
- Design of Martensitic Materials
- First Principle Calculations and Atomistic Modelling of Martensitic Materials
- Martensitic microstructures - Experiments and Modelling
- Continuum-level Modelling of Mechanics of Martensitic Materials
- Novel Shape Memory Alloys
- High Temperature Shape Memory Alloys
- High Entropy Alloys with Martensitic Transformation
- Advancements in Martensitic Steels
- Martensitic Transformations in Non-Metallic Materials
- Novel Functional Behaviors
- Advanced Fabrication and Processing of Martensitic Materials
- Additive Manufacturing of Martensitic Materials
- Advanced Characterization Methods for Martensitic Materials
- Low-dimensional Structures: Thin Films and Wires, Nanoparticles
- Magnetic Shape Memory Phenomena
- Elastocaloric and Multicaloric Phenomena
- Deformation Mechanisms in Martensitic Materials
- Coupling of Martensitic Transformation with Plastic Deformation
- Fatigue and Fracture of Martensitic Materials
- Engineering Applications of Martensitic Materials
- Applications: Medical Devices, Actuators, and Vibration Damping
- Applications: Calorics and Energy Harvesting
- Shape Memory Composites and Heterostructures

Special Session:

- Women in Martensite Science

Important Dates:

Abstract submission opens	27.01.2025
Registration opens	03.02.2025
Abstract submission deadline	31.03.2025
Abstract acceptance	30.04.2025
Early bird registration deadline	31.05.2025

Organizer:



Special Support

There will be a reduced fee to support participation of students, and a special child care service in the hotel to support participation of scientists with a family.

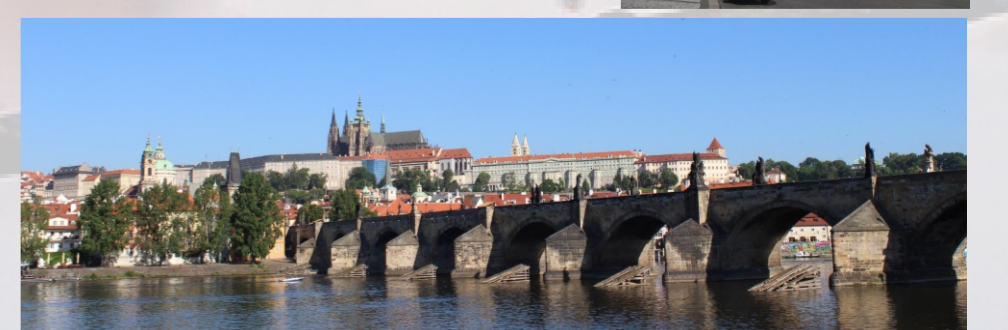
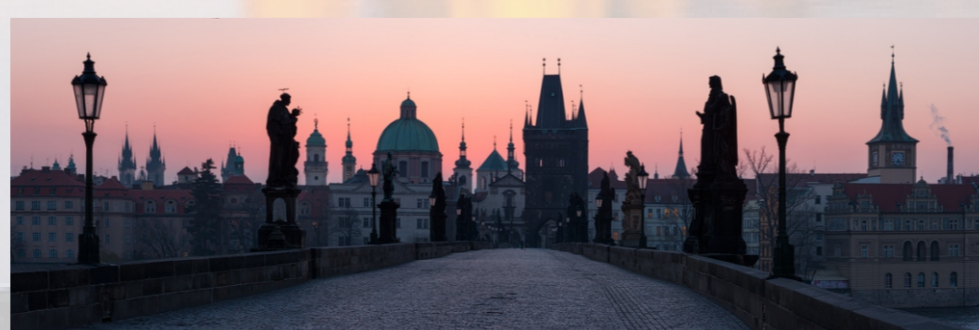
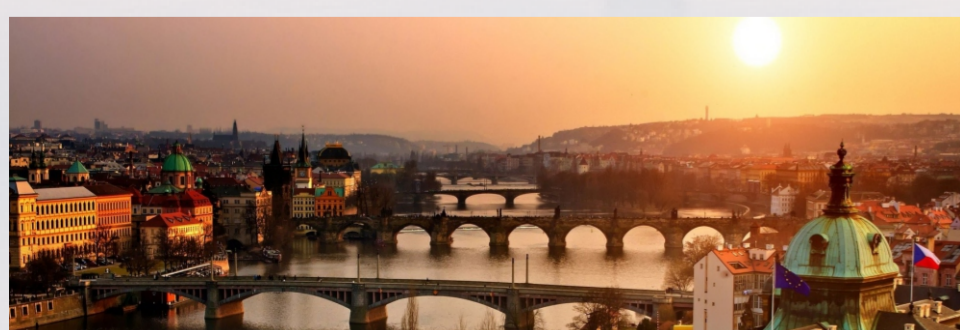
Venue:

The conference will be held in recently renovated **** hotel OREA Hotel Pyramida Prague situated on a hill next to the Prague Castle within a comfortable walking distance to the major Prague attractions Lesser Town, Charles Bridge, and Old Town Square. The conference venue is easily accessible from the airport as well as from the city center.



Banquet:

Conference banquet will be held in one of the in the most beautiful Renaissance palaces in Prague in Martinicky Palace on Hradčanské náměstí in front of the Prague Castle.



web: www.icomat2025.org

email: info@icomat2025.org