

Session Program

20-26 Oct 2026

International Conference on Thermo Mechanical Processing - TMP 2026 Computation and Modelling, ML and AI

Austria Trend Parkhotel Schönbrunn
Hietzinger Hauptstraße 10, 1130 Wien

Thursday 22 October

09:00

Computation and Modelling, ML and AI

Session | Location: Room Ungarn

09:00–09:20

Validation and optimization of a recrystallization model to enhance the accuracy of microstructure evolution predictions in heavy-plate rolling

Speaker

Maita Roberts-Zimmer

09:20–09:40

Hydrogen embrittlement resistant carbon/stainless multilayer steel produced by thermomechanical processing

Speaker

Henri Tervo

09:40–10:00

Use of mesoscale models in designing thermomechanical processes for light alloys

Speaker

Maria Cecilia Poletti

10:00–10:20

Multiscale characterization methodology combining experimental and AI-based methods for the study of austenite conditioning in Nb-HSLA steels.

Speaker

Dr Jenifer Barrirero

10:20

10:50

Computation and Modelling, ML and AI

Session | Location: Room Ungarn

10:50–11:10

Simulation of Thermomechanical Processing in the Light of Green Steel Transformation

Speaker

Daniel Marian Ogris

11:10–11:30

Microstructure Modeling for Thermomechanical Processing of age hardenable aluminum alloys

Speaker

Talina Terrazas Monje

11:30–11:50

Constitutive flow behaviour and processing maps of 1CrMoV bainitic steel used in turbine applications

Speaker

Rishabh Bharadwaj

11:50-12:10

Effect of Roller Misalignment on Thermo-Mechanical Stress in the Secondary Cooling Zone of a Twin-Slab Caster

Speaker

Prof. Chenn Zhou

12:10