

**Session Program**

**20-26 Oct 2026**

**International Conference on Thermo  
Mechanical Processing - TMP 2026**

**TMP Strategies for Advanced High Strength  
Steel**

Austria Trend Parkhotel Schönbrunn  
Hietzinger Hauptstraße 10, 1130 Wien

# Wednesday 21 October

09:00

## TMP Strategies for Advanced High Strength Steel

Session | Location: Room Österreich

09:00–09:20

### Effects of Temperature and Deformation on Austenite Grain Size and Phase Transformations in Advanced High Strength Steels

**Speaker**

OLGA GIRINA

09:20–09:40

### Mechanical and microstructural properties of low carbon bainitic steels subjected to different controlled cooling strategies

**Speaker**

Tommi Hintsala

09:40–10:00

### An ICME Framework for Integrated Alloy Design and Thermomechanical Processing of Nano-Bainitic Steels

**Speaker**

Karthik Ramalingam

10:00–10:20

### Microstructures and mechanical properties of borides reinforced lightweight steels

**Speaker**

Dr Yinghua Jiang

10:20

10:50

## TMP Strategies for Advanced High Strength Steel

Session | Location: Room Österreich

10:50–11:10

### Hidden Sustainability Potential of Medium Manganese Alloys through Tailored Processing

**Speaker**

Vahid Javaheri

11:10–11:30

### In-situ Investigation of Austenite Decomposition During Prolonged Isothermal Holding of TRIP Steels

**Speaker**

Philipp Retzl

11:30–11:50

### Thermomechanical processing of Cu- and Mo-containing multiphase steels subjected to Quenching and Partitioning treatment

**Speaker**

Mr Firew Kassaye

11:50-12:10

**Mechanism and Process Control of Intergranular Oxidation in Hot-Rolled Hot-Stamped Steel: Oxygen Supply via FeO Decomposition and Evolution of "Core-Shell Structure" in Grain Boundary Oxides**

**Speaker**

Dr Yang YU

12:10