

## **Session Program**

**23-25 May 2022**

# **5th International High Manganese Steel Conference - HMNS 2022**

## ***Structure-Property Relation in High Mn Steels***

voestalpine Stahlwelt  
voestalpine Stahlwelt (steel world) voestalpine-Straße 4 4020 Linz Austria

# Monday 23 May

13:30

## Structure-Property Relation in High Mn Steels

**Session** | **Location:** Room 2 | **Convener:** Clara Herrera

13:30–13:55

### Effect of Nitrogen and Grain Size on Mechanical Properties of High Manganese TWIP Steels

**Speaker**

Mr Seyed Nima Babaei

13:55–14:20

### Investigation of detwinning due to cyclic tensile straining in Hadfield steel

**Speaker**

Marina Lukas

14:20–14:45

### Thermal treatment effect on cold rolled high Mn lightweight steels

**Speakers**

Prof. Carlo Mapelli, Mr Giacomo Villa, Mr Lorenzo Mereghetti

14:45–15:10

### Effect of the heat generated during deformation at high strain rates on the structure and properties of high manganese steels with twinning as the dominant deformation mechanism.

**Speaker**

Prof. Magdalena B. Jabłońska

15:10

15:40

## Structure-Property Relation in High Mn Steels

**Session** | **Location:** Room 2 | **Convener:** Wolfgang Bleck

15:40–16:05

### Incomplete $\gamma \rightarrow \epsilon$ Martensitic Transformation in a High Mn Alloy

**Speaker**

Young-Kook Lee

16:05–16:30

### Design and properties of additively manufactured high-manganese steels

**Speaker**

Christian Haase

16:30–16:55

### Structure-Property Relationship in Additively Manufactured High-Manganese Steels

**Speaker**

Dilay Kibaroglu

16:55–17:20

### Direct monitoring of twinning/detwinning in a TWIP steel under reversed cyclic loading (virtual presentation)

17:20

**Speaker**

Véronique DOQUET