

Session Program

23-25 May 2022

5th International High Manganese Steel Conference - HMNS 2022

Structure-Property Relation in Medium Mn Steels

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

Monday 23 May

13:30

Structure-Property Relation in Medium Mn Steels

Session | **Location:** Room 1 | **Convener:** Joseph McDermid

13:30–13:55

Microstructural evolution and tensile behaviour of V-added medium-Mn steel

Speaker

Tak Min Park

13:55–14:20

Relationship between the microstructural morphology and mechanical response of medium-Mn steels

Speaker

Prof. Jeongho Han

14:20–14:45

Effect of carbon on dislocation density and hardness in ausformed medium Mn martensitic steel (virtual presentation)

Speaker

Takuro Masumura

14:45–15:10

Strain distribution in duplex martensitic medium Mn steel (virtual presentation)

Speaker

Dr Takuya Maeda

15:10

15:40

Structure-Property Relation in Medium Mn Steels

Session | **Location:** Room 1 | **Convener:** Kangying Zhu

15:40–16:05

Toughening mechanism of medium Mn martensitic steel treated with thermomechanical control process and intercritical annealing-virtual presentation

Speaker

Dr Kyosuke Matsuda

16:05–16:30

Comparison of dynamic mechanical behavior and microstructure features in thermo-mechanically rolled 3Mn-Al and 5Mn-Al sheet steels

Speaker

Prof. Adam Grajcar

16:30–16:55

Influence of second intercritical annealing temperature on austenite grain size and its thermal stability in 5Mn steel

Speaker

Mateusz Morawiec

16:55-17:20

Nano-precipitation and austenite reversion in a Cu and Ni containing medium-Mn steel

Speaker

Dr Wenwen Song

17:20