

Session Program

23-25 May 2022

5th International High Manganese Steel Conference - HMNS 2022

Mn Quenching&Partitioning Steels

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

Tuesday 24 May

14:00

Mn Quenching&Partitioning Steels

Session | **Location:** Room 2 | **Convener:** Emmanuel De Moor

14:00-14:25

Negative strain rate sensitivity in a quenching and partitioning medium Mn steel (virtual presentation)

Speaker

Prof. Mingxin Huang

14:25-14:50

Intergranular and interphase segregation in Medium Mn TRIP steels

Speaker

Dr Kangying Zhu

14:50-15:15

The potential of Q&P-Treated Medium Manganese Steels for Press-Hardening Applications

Speaker

Prof. Ulrich Krupp

15:15-15:40

The effect of intercritical annealing temperature on warm-rolled medium manganese steel

Speaker

Mr Yingchao Zhang

15:40

16:10

Mn Quenching&Partitioning Steels

Session | **Location:** Room 2 | **Convener:** Reinhold Schneider

16:10-16:35

Microstructure and tensile properties of room temperature Q&P processed 0.25C - 4.0Mn - 1.5Si steel starting from chemically heterogeneous microstructure

Speaker

Ms Guiyoung Gu

16:35-17:00

Correlation between microstructure and ductility characteristics of lean medium Mn Q&P steels

Speaker

Simone Kaar

17:00-17:25

Effect of Si and Al on retained austenite stabilization during Q&P and galvannealing process

Speaker

Matthias Wallner

17:25-17:50

Understanding the contributions on the work-hardening of a 5 wt.% manganese quenched and partitioned steel

Speaker

Eve-Line Cadotte

17:50