

Session Program

23-25 May 2022

5th International High Manganese Steel Conference - HMNS 2022

Processing

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

Tuesday 24 May

09:05

Processing

Session | **Location:** Room 3, Room 3 | **Convener:** Simone Kaar

09:05–09:30

Control of liquid metal embrittlement induced cracking during resistance spot welding of a medium Mn high ductile Zn-coated hot press forming steel

Speaker

Dr Radhakanta Rana

09:30–09:55

Mechanical integrity and microstructural changes in the welded joints of third generation automotive AHSS in as hot rolled and after post-annealing

Speaker

Dr JOSE LUIS HERNANDEZ RIVERA

09:55–10:20

Microstructural characterization and tensile properties of a medium Mn steel welded joint

Speaker

Ms Ana Claudia González Castillo

10:20

10:50

Processing

Session | **Location:** Room 3 | **Convener:** Radhakanta Rana

10:50–11:15

Resetting process into medium-Mn steel to recover the reduced ductility by cold working

Speaker

Mun Sik Jeong

11:15–11:40

How fast laser OES based slag analysis enables in situ process management and thereby limits the loss of Mn into slag

Speaker

Alexander Schlemminger

11:40–12:05

Selective Oxidation and Reactive Wetting of Medium-Manganese Third-Generation Advanced High Strength Steels

Speaker

Prof. Joseph McDermid

12:05–12:30

Applicability improvement by deformation mechanism-controlled rolling of high manganese steels

Speaker

Sebastian Wesselmecking

12:30