

Session Program

23-25 May 2022

5th International High Manganese Steel Conference - HMNS 2022

Advanced Characterization Methods

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

Wednesday 25 May

09:35

Advanced Characterization Methods

Session | **Location:** Room 1 | **Convener:** Daniel Krizan

09:35-10:00

Analysis of mechanical properties in ultrafine single variant martensite in 5-7%Mn steels by synchrotron radiation

Speaker

Shiro Torizuka

10:00-10:25

Correlative Diffraction Studies of Deformed Medium Manganese Steel Grades

Speaker

Christian Commenda

10:25-10:50

In situ investigation of medium manganese microstructure formation during intercritical annealing by high energy X-ray diffraction on synchrotron beamline

Speaker

Mathias Lamari

10:50

11:20

Advanced Characterization Methods

Session | **Location:** Room 1 | **Convener:** Christian Commenda

11:20-11:45

Advanced characterization of medium Mn steel using a combination of EPMA and EBSD

Speaker

Dr Mélanie Gauvin

11:45-12:10

In situ determination of austenite mechanical stability in medium manganese steels by high energy X-ray diffraction on synchrotron beamline

Speaker

Mathias Lamari

12:10-12:35

TEM characterization of stability of retained austenite in medium Mn steel under severe deformation

Speaker

Ítalo Oyarzabal

12:35