

Session Program

3-5 Nov 2021

Metal Additive Manufacturing Conference - MAMC 2021

LASER MELTING, ELECTRON BEAM MELTING & DIRECT ENERGY DEPOSITION PROCESSES

Wirtschaftskammer Österreich, Julius Raab Saal
Wiedner Hauptstraße 63 1045 Wien, Österreich

Thursday 4 November

13:40

LASER MELTING, ELECTRON BEAM MELTING & DIRECT ENERGY DEPOSITION PROCESSES

Session | Location: SAAL 1

13:40–14:00

Improvement of part accuracy by combination of pulsed wave (pw) and continuous wave (cw) Laser Powder Bed Fusion

Speaker

Thomas Laag

14:00–14:20

LB-PBF processing limits for Cr-Mn-Mo low alloy structural steels

Speaker

Robert Steinlechner

14:20–14:40

Laser Powder Bed Fusion of Carbon-Containing Ferrous Alloys: Martensite Formation and its Properties

Speaker

William Hearn

14:40–15:00

Influence of Laser Metal Deposition Process Parameters on Geometric Accuracy and Residual Stresses of IN718 Thin-Walled Structures

Speaker

Ms Marie-Noemi Bold

15:00

15:30

LASER MELTING, ELECTRON BEAM MELTING & DIRECT ENERGY DEPOSITION PROCESSES

Session | Location: SAAL 1

15:30–15:50

Investigation of Cooling Rate and Microstructure with the Aim of Alloy Development using Extreme High Speed Laser Material Deposition (EHLA) exemplified by 316L

Speaker

Ms Marie-Noemi Bold

Location

SAAL 1

15:50–16:10

Process gas and its influence on additive manufactured AlSi10Mg

Speaker

Mr Pierre Forêt

Location

SAAL 1

16:10–16:30

Thermomechanical and thermochemical endurance of hot work tool steels and PVD-coatings for high pressure die casting

Speaker

Mr Mirnes Berbic

Location

SAAL 1

16:30–16:50

Laser Powder Bed Fusion of bioresorbable Magnesium-Rare Earth alloy for orthopaedic application: A parameter study including a novel tensile scaffold design

Speaker

Mr Felix Benn

Location

SAAL 1

16:50–17:10

3D printing of amorphous metals, challenges and opportunities

Speaker

Mrs Sepide Hadibeik

17:10