

Session Program

3-5 Nov 2021

Metal Additive Manufacturing Conference - MAMC 2021

AM PROCESS and QUALITY CONTROL

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

Wednesday 3 November

14:30

AM PROCESS and QUALITY CONTROL

Session | Location: SAAL 1

14:30–14:50

Correlative microstructure investigations of additive manufactured parts

Speaker

Dr Mihaela Albu

14:50–15:10

Multiscale Microstructural Investigation of 17-4 PH Stainless Steel Produced by Laser Powder Bed Fusion

Speaker

Mr Maxwell Moyle

15:10–15:30

Development of a novel in- situ alloying 3D printing procedure exemplified on the permanent magnetic Fe-Cr-Co alloy system

Speaker

Mr Siegfried Arneitz

15:30–15:50

Powder bed fusion additive manufacturing - comparison of different process simulation methods

Speaker

Mr Etienne Bonnaud

15:50

16:20

AM PROCESS and QUALITY CONTROL

Session | Location: SAAL 1

16:20–16:40

The influence of laser scanning strategies on the crystallographic texture evolution and mechanical properties of LB-PBF 316L

Speaker

Ms Sabine Bodner

16:40–17:00

Residual stress heterogeneity along the SLM POST-Processing chain of the carburizing steel 20MnCr5 after stress relief

Speaker

Mr Lucas Robatto

17:00–17:20

Cracking behavior of a Zr-Blended Al-Zn-Mg alloy processed by powder bed fusion of metals using a laser beam under different process gas mixtures

Speaker

Mr Siegfried Baehr

17:20