

Session Program

25-27 Nov 2019

**Metal Additive Manufacturing Conference
2019**

Material & Process Design & Engineering

Örebro Castle
Kansligatan 1 703 61 ÖrebroSweden

Monday 25 November

15:50

Material & Process Design & Engineering

Session | **Location:** Örebro Castle, 1: Rikssalen, Kansligatan 1 703 61 ÖrebroSweden | **Convener:** Annika Ströndl

15:50–16:10

APPLICATIONS OF CALPHAD BASED TOOLS TO ADDITIVE MANUFACTURING MODELS

Speaker

Andreas Markström

16:10–16:30

ICME BASED GEOMETRY AND PBF PROCESS PARAMETER OPTIMIZATION FOR Ti64 GIMBAL

Speaker

Jonas Zielinski

16:30–16:50

ADDITIVE MANUFACTURING FOR EXTRUSION TOOLING

Speaker

Tom Scharlaken

16:50–17:10

DESIGN OF EASILY REMOVABLE LATTICE-BASED SUPPORT STRUCTURES FOR L-PBF

Speaker

Omid Zarei

17:10–17:30

FROM MELT POOL TO MICROSTRUCTURE: A SIMULATIVE APPROACH OF MATERIAL BEHAVIOUR IN THE L-PBF PROCESS

Speaker

Jonas Zielinski

17:30–17:50

EFFECTS OF POROSITY, MICROSTRUCTURE AND HEAT TREATMENT ON YIELD AND FAILURE BEHAVIOUR OF 316L STAINLESS STEEL PRODUCED BY LASER POWDER BED FUSION

Speaker

Tobias Ronneberg

17:50–18:10

PRODUCTION OF AM PARTS IN DUPLEX STAINLESS STEELS USING DED AND HIP

Speaker

James Shipley

18:10