

Session Program

25-27 Nov 2019

Metal Additive Manufacturing Conference 2019

Power Production and Characterization

Örebro Castle
Kansligatan 1 703 61 ÖrebroSweden

Monday 25 November

16:30

Power Production and Characterization: I

Session | **Location:** Örebro Castle, 2: Länssalen, Kansligatan 1 703 61 ÖrebroSweden | **Convener:**
Ms Marie-Noemi Bold

16:30–16:50

MICROSTRUCTURAL AND MECHANICAL PROPERTIES OF ADDITIVE MANUFACTURED MATERIALS

Speaker

Elin Olsson

16:50–17:10

INFLUENCE OF PREHEATING TEMPERATURE ON HARDNESS AND MICROSTRUCTURE OF HIGH-SPEED STEEL HS 6-5-3-8 MANUFACTURED BY LASER POWDER BED FUSION

Speaker

Jasmin Saewe

17:10–17:30

INFLUENCE OF MATERIAL PROPERTIES ON SPHEROIDISATION PROCESS IN GAS ATOMIZATION

Speaker

Martin Dopler

17:30–17:50

RAPID ALLOY DEVELOPMENT OF NEW PROMISING HIGH ENTROPY ALLOYS VIA LASER POWDER BED FUSION

Speaker

Ms Marie-Noemi Bold

17:50

Tuesday 26 November

09:00

Power Production and Characterization: Power Production and Characterization II

Session | **Location:** Örebro Castle, 2: Länssalen, Kansligatan 1 703 61 ÖrebroSweden | **Convener:** Dr Martin Dopler

09:00–09:20

INFLUENCE OF POWDER APPLICATION PARAMETERS ON POWDER BED PROPERTIES AND ON PRODUCTIVITY OF LASER-POWDER BED FUSION (L-PBF)

Speaker

Jonas Zielinski

09:20–09:40

COMPARATIVE STUDY OF METALLIC POWDER FLOWABILITY'S TESTING METHODS

Speaker

Lorenzo Marchetti

09:40–10:00

EVALUATION OF AGING BEHAVIOUR AND RECYCLING POSSIBILITY OF METAL POWDERS

Speaker

Valentina Vicario

10:00

10:30

Power Production and Characterization: Power Production and Characterization III

Session | **Location:** Örebro Castle, 2: Länssalen, Kansligatan 1 703 61 ÖrebroSweden | **Convener:** Prof. Pavel Krakhmalev

10:30–10:50

MICROSTRUCTURE AND MECHANICAL PROPERTIES OF A COLD-WORK TOOL STEEL PRODUCED VIA ELECTRON BEAM MELTING (EBM)

Speaker

AYDIN SELTE

10:50–11:10

RHEOLOGY OF METAL MELTS - HOW TO IMPROVE GAS ATOMIZATION PROCESSES IN METAL POWDER PRODUCTION BY USING A HIGH TEMPERATURE RHEOMETER

Speaker

Daniela Ehgartner

11:10–11:30

EX- AND IN-SITU MICROSTRUCTURE INVESTIGATIONS OF POWDERS AND ADDITIVE MANUFACTURED PARTS

Speaker

Mihaela Albu

11:30–11:50

A FEASIBILITY STUDY OF USING IRON ORE FINES AS FEEDSTOCK MATERIAL FOR THE SELECTIVE LASER MELTING PROCESS

11:50

Speaker

Jan Frostevarg