

Session Program

30 September 2020 to 2 October 2020

**Metal Additive Manufacturing Conference -
MAMC 2020**

***Laser Melting, Electron Beam Melting &
Direct Energy Deposition Processes***

Wednesday 30 September

15:00

Laser Melting, Electron Beam Melting & Direct Energy Deposition Processes: Laser Melting, Electron Beam Melting & Direct Energy Deposition Processes

Session | Location: Julius Raab Saal

15:00-15:20

L-DED (LASER-DIRECTED ENERGY DEPOSITION): AN ALTERNATIVE 3D-PRINTING-TECHNOLOGY

Speaker

Dr Richard Görgl

15:20-15:40

PLASMA METAL DEPOSITION (PMD®) FOR AEROSPACE APPLICATIONS - ENABLING A COST-EFFICIENT TECHNOLOGY FOR HIGH TECH INDUSTRIES

Speaker

Mr John Meuthen

15:40

16:10

Laser Melting, Electron Beam Melting & Direct Energy Deposition Processes: Laser Melting, Electron Beam Melting & Direct Energy Deposition Processes

Session | Location: Julius Raab Saal

16:10-16:30

EFFECT OF DEPOSITION ANGLES ON LASER BLOWN POWDER OF THIN-WALLED STRUCTURES

Speakers

Mr Adrien Mouchard, Mr David Tanner

16:30-16:50

MECHANICAL AND MICROSTRUCTURAL CHARACTERIZATION OF HYBRID PROCESS PARTS MADE FROM Ti6Al4V BY LASER POWDER BED FUSION AND DIRECT ENERGY DEPOSITION

Speaker

Mr Benjamin Meier

16:50-17:10

HYBRID-ADDITIVE MANUFACTURING OF TOOL COMPONENTS: INVESTIGATION OF MECHANICAL PROPERTIES AND CONNECTION STRENGTH TO THE SUBSTRATE

Speaker

Mr Stefan Belitz

17:10-17:30

PROCESSABILITY OF MOIST SUPERALLOY POWDER BY SLM

Speaker

Mr Marco Mitterlehner

17:30

Thursday 1 October

09:00

Laser Melting, Electron Beam Melting & Direct Energy Deposition Processes: Laser Melting, Electron Beam Melting & Direct Energy Deposition Processes

Session | Location: Julius Raab Saal

09:00–09:20

EFFICIENT QUALIFICATION STRATEGY OF NEW TOOL STEEL ALLOYS FOR LASER POWDER BED FUSION

Speaker

Mr Gregor Graf

09:20–09:40

REMANUFACTURE OF HOT FORGING DIES BY LMD-p USING A COBALT BASED HARD-FACING ALLOY

Speaker

Mr Crawford Cullen

09:40–10:00

NOVEL METHODS OF PRODUCING 3D HOLLOWS IN PARTS PRODUCED BY DED TECHNOLOGIES

Speaker

Mr Rudolf Gradinger

10:00–10:20

GEOMETRY SPECIFIC PROCESS CONTROL FOR LASER POWDER BED FUSION USING THE EXAMPLE OF Ti6Al4V

Speaker

Mr Tobias Pichler

10:20