

Session Program

10-12 Nov 2026

Metal Additive Manufacturing Conference - MAMC 2026

Laser Melting, Electron Beam Melting & Direct Deposition Processes

Arcotel Wimberger
Arcotel Wimberger, Vienna/ Austria

Tuesday 10 November

15:50

Laser Melting, Electron Beam Melting & Direct Deposition Processes

Session | **Location:** Room 1

15:50–16:10

Development of a Novel Hybrid Wire-Powder DED-Arc Plasma System for Fabrication of Low Carbon Steel/TiC Metal Matrix Composites

Speaker

Ziad Mohamed

16:10–16:30

Application of Blue Laser in Additive Manufacturing and Laser Processing of Reflective Metals

Speaker

Dr Hossein Ghasemi

16:30–16:50

Embedding Fiber-Optic Sensors in Metallic Components via LPBF for In-Situ Fuel Cell Diagnostics

Speaker

Markus Reiter

16:50–17:10

Phase Transformation Kinetics and Lattice Parameter Evolution in LPBF Ti-6Al-4V: An In-Situ Synchrotron Study

Speaker

F Friso

17:10–17:30

Hybrid L-PBF Scanning Strategies for Additively Manufactured Ultra Thin-Walled Ti-6Al-4V TPMS Implants

Speaker

Karel Brulík

17:30

Wednesday 11 November

15:20

Laser Melting, Electron Beam Melting & Direct Deposition Processes

Session | **Location:** Room 2

15:20–15:40

Increased Manufacturing Tolerance in w-DED Additive Manufacturing Using Plasma Transferred Arc

Speaker

Hanxing Zhang

15:40–16:00

Binder-Assisted Attachment of Cr_3C_2 Particles to Tool Steel Powders for Stable PBF-LB/M Processing

Speaker

Oliver Bürgi

16:00–16:20

LPBF Processing and Characterization of Pure Ta and Ta-10W Alloy for Very High-Temperature Applications

Speaker

Alberto Barci

16:20–16:40

Effect of Thermal Conditions on Microstructure Evolution and Wear Behavior of Fe-Cr-Nb Coatings Produced by Laser Cladding

Speaker

Julius Arnhold

16:40–17:00

Thermal Modelling in High-deposition-rate Laser Directed Energy Deposition Process

Speaker

Dr Edison Bonifaz

17:00