

PRELIMINARY PROGRAM***Wednesday, May 21**

12:00 (CET) Registration | Light Lunch

13:00 Opening

13:10–14:30 Design and Simulation

AI-Driven Multi-Physics Modeling: Advancing Additive Manufacturing for Accuracy, Efficiency, and Sustainability
Bijish Babu, Aerobase Innovations AB

Repair Technology for Jet Engine Turbine Blade by Directed Energy Deposition
Kazuhiro Mizuta, AeroEdge Co., Ltd.

Enhancing Process Control using Laser Beam Shaping: Insights from Numerical Modeling
Tin Brdnik, Flow Science Deutschland GmbH

14:30 Coffee Break and Exhibition

15:00 Exhibitor Pitches**15:20–16:40 Materials**

Laser Powder Bed Fusion of Ti-6Al-4V for Aerospace Applications
Christopher Arnold, MTU Aero Engines

Rhenium Production, Emerging Applications, and Additive Manufacturing Developments
Alvaro Ponce, Molymet

Development of New Alloys for Additive Manufacturing
Andrew Norman, European Space Agency (ESA)

AM-driven material screening
Martina Zimmermann, Fraunhofer IWS | TU Dresden

17:00–21:00 Open Lab @Fraunhofer IWS**End of Day 1**

Thursday, May 22**9:00–12:30 Advanced Processes, Control and Beam Shaping | Process Chains and Standardization**

Upscaling Additive Manufacturing with MPLC-Based Beam-Shaping
Adeline Orieaux, Cailabs

Application of Shaped Beam in Laser Powder Bed Fusion Technology
Oliver Huizhi Li, FARSOON Europe GmbH

Innovative Laser Technology: Elevating Additive Manufacturing with Superior Quality, Performance, and Unique Capabilities
Dmitry Badyukov, Optoprim Germany GmbH

10:40 Coffee Break and Exhibition

Advanced Beam Control Technology for Super Fine Directed Energy Deposition
Hiroyuki Nagasaka, Nikon

The Niche of WAAM: Defining Its Place Between DED-LW and SAAM
Carl Fruth, FIT AG | FIT Additive Manufacturing Group

Process Chain Analysis for Shorter Development Cycles
Lukas Stepien, Fraunhofer IWS

12:30 Lunch Break and Exhibition**13:30–14:50 Artificial Intelligence and Digitalization**

Data-Driven Process Optimization in Additive Manufacturing - A Platform Solution for Quality Management and Cost Reduction
Peter Lindecke, amsight GmbH

Advanced CAM Planning with Siemens NX and GenAI - an Example for DED
Henrik Gerdes, Siemens AG

How does CO-AM leverage AI to capture metal PBF flaws – and what does it mean for daily operations?
Christophe Blanc, Materialise

14:50 Coffee Break and Exhibition

Thursday, May 22 (cont.)**15:20–16:40 Testing and NDI (Non-destructive Inspection)**

No Lack of Data: Handling Large L-PBF In-process Monitoring Data Sets
Philip Sperling, Interspectral

3D Metal Binder Jetting Green Parts Microstructure Metrics Methodology for Sustainable Technology Developments
Rocio Munoz Moreno, HP

High-Speed In Situ X-ray Imaging to Reveal Process Dynamics in Additive Manufacturing
Klaus Schrickler, BTU Cottbus – Senftenberg

In-situ Inspection for Advanced Manufacturing
Bernard Revaz, AMiquam

17:00–21:00 Poster Session and Get Together**End of Day 2**

Friday, May 23**9:00–10:20 Industrialization and Business Cases**

Industrial Perspective on DED Technology – From Developments to Industrialization
Arkadi Zikin, Oerlikon

Different Approaches to Hybrid Manufacturing for New and Future Structural
Automotive Components
Andrea Bongiovanni, CRF

DED Technology for Printing Multimaterial Parts and Repair of Worn Out
Components
Markus Bäumlér, DMG Mori

AM Technology for Revolutionizing the Design and Manufacturing Process
Masayuki Eda & Takashi Ishide, MHI

10:20 [Coffee Break and Exhibition](#)

11:00–12:20 Trends in AM and Sustainability

Developments in the AM Market and How to Benefit From Them
Georg Schöpf, x-technik

Additive Manufacturing Market Evolution and Industrial Applications
Naiara Zubizarreta, Addimat

Additive Manufacturing in Aerospace: Emerging Trends and Technological
Challenges
Rosa Pineda Huitron, GKN Aerospace Engine Systems

Sustainable Stainless Steel Powder Accelerating a Green Transformation
Xuan Yang, Outokumpu Nirosta GmbH

12:20 Concluding Remarks

End of the Conference