

**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  
*Dr. 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)*

Title tba  
*Prof. Dr. Martina Zimmermann, Fraunhofer IWS*

**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 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*

Title tba  
*Christophe Blanc, Link3D*

#### 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**