



WORKSHOP Innovative Product Development by Additive Manufacturing September 17, 2025

PROGRAM

Lachmayer, Leibniz Universität Hannover, IPeG Kaierle, Laser Zentrum Hannover e.V.
itive Manufacturing Processes
eramic materials for the facturing of components for sustainable hydrogen production U Clausthal
itu Filament Shape Detection via Optical Ellipse Fitting s Menzel, Ostfalia Hochschule für Angewandte Wissenschaften
ion in Electrochemically Metallized Polymer res: Experimental Evaluation of Interface Design Concepts U Darmstadt
ign and Optimization Methods
sign and Validation of Components erial Properties in Metal Additive Manufacturing weig, Fraunhofer IAPT
ced Lammers, INLEAP Photonics GmbH
ompatible Framework for rt Identification in Metal Additive Manufacturing TU Berlin
ced gas, MTU Maintenance Hannover
of AM Machines earch building "SCALE"





13.45 – 14.45	Poster session: Printed Optics – PhoenixD
	A Phase Transformation Model for Glas with Thermo-Mechanical Coupling Using Neighbor Element Method for 3D-Printing Tobias Rudolf, Leibniz University Hannover, IKM
	In-line metrology for two-photon polymerization Hannes Robben, Leibniz University Hannover, HOT
	Damage Potential of Post-Processing Methods in Vat Photopolymerization of Additively Manufactured Glass Components Simon Teves, Leibniz University Hannover, IPeG
	Review on rotative printing for high-volume polymer waveguide processing Jonathan Pleuß, Leibniz University Hannover, ITA
14.45 – 15.05	Break
15.05 – 16.05	Novel Applications of Additive Manufacturing
	Integration of virtual laboratories and additive manufacturing for customizable medical training systems Anastasiia Lytvyn, Kharkiv National University of Radioelectronics
	Advanced Additive Manufacturing Processes
	Novel high-deposition AM technology using forming jaws with the laser-assisted double-wire with non-transferred arc process Alexander Barroi, Laser Zentrum Hannover e.V.
	Quality analysis in rubber 3D printing: Worlds first 3D printed rubber benchy Hans Helge Schwieger, Leibniz University Hannover, ITA
16.05	Farwell