







PROGRAM*



3rd International Symposium Additive Manufacturing (ISAM 2019) **JANUARY 29-31, 2019**

JANUARY	Y 29 Business Forum	Venue: Fraunhofer IWS Dresden
1 6:30	Welcome & Introduction Christoph Leyens / Frank Brückner, Fraunhofer IV	WS Dresden
1 6:45	Business Presentation 1 Reinhold Achatz, thyssenkrupp AG	
1 7:00	Digital Factory @FIT – Industrial Additive Manufa Carl Fruth, FIT Prototyping GmbH	acturing
1 7:15	3D-printing view from a logistic provider Jens Happe, Kühne + Nagel (AG & Co.) KG	
1 7:30	We print to drive: AM for mobility Stefanie Brickwede, Mobility goes Additive	
1 7:45	Corporate management in additive manufacturi certification the way to go? Christoph Blanc, TÜV Süd	ing: Is an ,Additive Manufacturer'
1 8:00	Metal additive manufacturing process technolog Chang-Woo Lee, KITECH, Korea	gy of medical applications in South Korea
1 8:15	Refreshment break	
1 8:30	Panel discussion Moderation: Stefanie Brickwede, Mobility goes	Additive
1 9:30	Open Lab & Networking	

at the Additive Manufacturing Center Dresden







JANUAR	Y 30 Symposium	Venue: International Congress Center Dresden			
Opening Day 1					
■ 09:00	Opening Christoph Leyens, Fraunhofer IWS Dresden				
■ 09:20	Keynote: Laser-material interactions in metal additive manufacturing Ibo Matthews, Lawrence Livermore National Laboratory, USA				
■ 09:50	Keynote: I AM SIEMENS – Industrialized Additive Manufacturing by Siemens Ingomar Kelbassa, Siemens AG				
1 0:20	Coffee break with technical exhibition				
Advanced processing and technologies					
1 1:00	Wire-feed Additive Manufacturing of Ti 6Al-4 at High Deposition Rate <i>Pedro Almeida, Norsk Titanium, Norway</i>	V Components by Rapid Plasma Deposition (RPD™)			
1 1:20	Design and Manufacture of Lattice Structures Kenneth Nai, Renishaw PLC, UK	using Renishaw AM machines			
1 1:40	Combination of Dispense and AM Technologic Lukas Stepien, Fraunhofer IWS Dresden	es for increased functionality			
1 2:00	Open Source Electron Beam Powder Bed Fusion Patrick Ohldin, Freemelt, Sweden	on for Materials R&D			
1 2:20	Lunch break with technical exhibition				
1 3:30	ISAM elevator pitch content				
1 4:15	Poster session with coffee				
Materials and testing					
1 5:20	Opportunities and Chances of AM with new Eric Klemp, Voestalpine Additive Manufacture	kind of automotive-approach based on a hood-hinge ing Center GmbH			
1 5:40	X-Ray and CT as a tool for quality assurance of Philip Sperling, Yxlon International GmbH	and process optimization in 3D printing			
1 6:00	Non-destructive Investigation of strain by neu Helmut Schober, ILL Grenoble, France	itron diffraction			
1 6:20	SLM system characterization using ultrasonic Sebastian Rott, MTU Aeroengines	examinations			
1 6:40	Microstructure and mechanical properties of Markus Weinmann, H.C. Starck Tantalum and				

Evening reception

Start:

Venue: Kasematten – Historic Casemate Vault Dresden

Bruehlscher Garten 4 (direction by car: Hasenberg 1), 01067 Dresden

Opening talk: Powderbased 3D food printing technologies

Martijn Noort, Wageningen University

Take the opportunity for professional discussions in a relaxing atmosphere.



17:10

Concluding remarks and farewell

Christoph Leyens, Fraunhofer IWS Dresden





JANUARY	Symposium Venue: International Congress C	Center Dresden			
Opening Day 2					
09:00	Best poster and elevator pitch awards				
■ 09:10	Keynote: Materials for Additive Manufacturing David Bourell, The University of Texas, Austin, USA				
• 09:40	Keynote: Laser Additive Manufacturing of Metals - Opportunity to Promote High-En Ability in China Xiaoyan Zeng, HUST, China	d Manufacturing			
1 0:10	Keynote: Process Development, Alloy Development and Qualification in Selective Las Xinhua Wu, Monash University, Australia	ser Melting Process			
1 0:40	Coffee break with technical exhibition				
Pre- and post-processing					
1 1:10	Structural optimization - Releasing the potential of AM in the Design Process Anthony McLoughlin, Altair				
1 1:30	Powder for Additive manufacturing Sven Bengtsson, Höganäs AB				
1 1:50	Co-sintering of Zirconia/Steel Material Hybrids - Requirements, Processing, and Chra Tassilo Moritz, Fraunhofer IKTS	cterization			
1 2:10	CFD modelling advances in Additive Manufacturing Amir Isfahani, Flow Science, USA				
1 2:30	Lunch break with technical exhibition				
Process control and quality					
1 3:40	Laser Metal Deposition and 3D Printing – New Sensor Concepts for LMD and Innova Technology for Additive Processes with Wire Precitec GmbH & Co. KG	tive System			
1 4:00	Digital Additive Manufacturing Mirko Riede, Fraunhofer IWS Dresden				
1 4:20	Prediction of metal powder evolution in AM production and its impact on the poten reuse of material Neil Harrison, LPW Technology Ltd, UK	tial for confident			
1 4:40	Process- and Condition Monitoring in Additive Manufacturing based on Laser Depos Holger Perfahl, DMG Mori	ition Welding			
1 5:00	Coffee break with technical exhibition				
Applications	ns				
1 5:30	Implementation of conformal cooling in additive manufactured injection mould inse Chen-Nan Sun, Singapore Institute of Manufacturing Technology (SIMTech)	rts - A case study			
1 5:50	Micro Sully jet Erosion assessment for Additive Manufacturing Products Masahiro Onoi, Metal Technology Co. Ltd., Japan				
1 6:10	Qualification route of SLM additive manufacturing for aerospace applications Katja Schmidtke, Airbus				
1 6:30	The build-up welding method with extremely low distortion for the steam turbine blackeshi Ishikawa, Sumitomo Heavy Industries Himatex Co., Ltd., Japan	ade			
1 6:50	requested				
- 17.10					