

## Program

### MPA Online-Workshop „Advanced Manufactured Components for Safety Relevant Applications”, October 12, 2022

9:00 a.m.	S. Weihe, MPA University of Stuttgart, Germany	Welcome
9:10 a.m.	F. Hermann, TRUMPF Laser- und Systemtechnik GmbH, Ditzingen, Germany	Laser Metal Deposition of AlSi10Mg with High Build Rates
9:40 a.m.	D. Beckers, Rosswag Engineering, Pfinztal, Germany	Powder Production and Qualification for Pressure-bearing AM-Parts Under the Pressure Equipment Directive
10:10 a.m.	M. Brotsack, Impact-Innovation GmbH, Rattenkirchen, Germany	Cold Spray – An Advanced Manufacturing Method for Metal Coatings and 3D Metal Components
10:40 a.m.	Break	
10:55 a.m.	S. Kallee, AluStir, Geiselbach, Germany	Linear Friction Welding of Aerospace Components
11:25 a.m.	U. Woy, Nuclear Advanced Manufacturing Research Centre (Nuclear AMRC), University of Sheffield, Catcliffe, U.K.	Material Development and Part Qualification Methodology for Quality Critical Structures
11:55 a.m.	Break	
12:55 p.m.	C. Potzernheim-Zenkel, voestalpine Automotive Components Dettingen GmbH, Dettingen a. d. Erms, Germany	Hybrid Structures – A Classic Idea Goes Additive
1:25 p.m.	M. Werz, Materials Testing Institute University of Stuttgart, Germany	Current and Future Research at the MPA
1:55 p.m.	R. Tregoning, U.S. Nuclear Regulatory Commission (U.S. NRC), Rockville, USA	NRC Activities on Advanced Manufacturing Technologies
2:25 p.m.	Break	
2:40 p.m.	L. Ravi Narayan, Department of Materials Science and Engineering, University of Connecticut, Storrs, USA	Experimental Approaches for Solidification Cracking Studies in Additive Manufacturing
3:10 p.m.	R. Wright, Idaho National Laboratory, Idaho Falls, USA	The Elevated-Temperature Cyclic Properties of Powder Metallurgy-Hot Isostatic Pressed 316H Stainless Steel
3:40 p.m.	MPA	Panel Discussion
4:00 p.m.	MPA	Closing Words