Interreg

Co-funded by the European Union

Bayern – Česko

AM SURF

Pokroky v aditivní výrobě: Od základů technologie k optimalizaci povrchů kovových komponent v česko-bavorském pohraničí

Fortschritte in der additiven Fertigung: Von den Grundlagen der Technologie zur Oberflächenoptimierung von Metallkomponenten in der deutsch-tschechischen Grenzregion

DAY 1: 21. 11. 2024

12:30	Registration & Networking
13:00	Welcome Speech: Prof. Bernhard Frenzel, Dean OTH Amberg Weiden
13:15	3DPrinting of Metals: Melanie Illing, TC Cham
13:45	Surface: A crucial factor in the quality of metal parts in additive manufacturing: Pavel Podaný, COMTES FHT
14:15	Methods of surface treatment by low power lasers, from idea to realization: Tomáš Primus, LINTECH
	Coffee Break, Networking
15:15	Innovation through additive manufacturing and induction heat treatment: Daniela Nacházelová, COMTES FHT
15:45	Laser Shock Peening in Additive Manufacturing: Jan Kaufmann, HILASE
16:15	AM-SURF mechanical testing and microstruture analysis of 3D printed AlSi10Mg: Bastian Roidl, OTH Amberg Weiden
	Snacks & Coffee, Networking
17:15	WAAM (Wire Arc Additive Manufacturing) and the Accuracy of 3D Printed Parts: Wolfgang Blöchl, OTH Amberg Weiden
17:45	Additive Fertigung von Cu-W-Kompositen mit Laser: Simon Rauh, Advanced Carbon Conversion Technologies (ACCT), Institutsteil Sulzbach-Rosenberg
18:15	Closure of Day 1
19:00 -	Social Evening at Restaurant

DAY 2: 22. 11. 2024

8:30	Registration & Networking
9:00	Challenges in the determination process of fatigue resistance AM-produced AlSi10Mg: Jakub Rosenthal, OTH Amberg-Weiden
9:30	Fatigue Life Prediction Using Self-Heating and the LinExp Approach: Martin Matusu, OTH Amberg Weiden
10:00	Manufacture Automation of Secondary optics for mid-power LEDs: Edward Olivera Apaza, TC Cham
10:30	Project progress and general introduction of the laboratory, Feng Chen, OTH Amberg-Weiden
11:00	The plans and further activities of AM SURF & discussion, Martina Koukolíková, COMTES FHT
11:30	Lab-tour
Cca 12:30	End of the event