

13th International Tooling Conference - Tooling 2025

Tuesday 25 March 2025

Additive Manufacturing - Room 1 (09:00-10:00)

time	[id] title	presenter
09:00	[1] Design and manufacture a cost-effective, high-performance plastic injection mould using a hybrid additive-subtractive manufacturing strategy	Dr CHAN, Simon
09:20	[2] Multi-material steel assemblies by EB-PBF	BOTERO, Carlos
09:40	[4] Directed energy deposition - Arc vs. casting: Enhancements of mechanical and thermal properties of hot-work tool steels through additive manufacturing	Mr ZIESING, Ulf

Additive Manufacturing - Room 1 (10:30-12:00)

time	[id] title	presenter
10:30	[60] Influence of heat treatment and scan rotation on the microstructure of hot work steel manufactured using L-PBF	PANAHI, Negar
10:50	[11] Additive manufacturing of hot-work tool steel by in-situ alloying using laser powder bed fusion and directed energy deposition – Strategies to improve chemical homogeneity	GROßWENDT, Felix
11:10	[19] Sliding wear and nitriding behavior of HWTS 50 tool steel tailored for L-PBF process	HANN, Jonathan
11:30	[20] Direct energy deposition of chromium-molybdenum-vanadium LMD Vanadis 4 Extra© cold work tool steel	BARTELS, Dominic

Wednesday 26 March 2025

Additive Manufacturing - Room 1 (09:30-10:30)

time	[id] title	presenter
09:30	[27] Microstructural analysis and wear resistance of Osprey® MAR 55 tool steel produced via Laser Powder Bed Fusion	EMANUELLI, Lorena
09:50	[32] High-quality refurbishing of high pressure die casting tools with Laser Metal Deposition of the hot-work tool steel Dievar	Mr MUTKE, Christian
10:10	[33] Increasing the service life of press hardening tools with the innovative EvolutionClad 58 coating solution using Laser Metal Deposition	BARTLING, Andreas

Additive Manufacturing - Room 1 (11:00-12:20)

time	[id] title	presenter
11:00	[48] Effect of titanium carbide additivation on the microstructure and processability of H13 tool steel in PBF-LB/M	BÜRGI, Oliver
11:20	[49] New dual-hardening AM alloy for tooling in HPDC	OGNIANOV, Miloslav
11:40	[38] The potentials of using directed energy deposition (DED) to process a cold work tool steel for repairing purposes	KENEVISI, Mohammad Saleh
12:00	[40] Short process chain by additive manufacturing	Dr KRULL, Hans-Günter