



Agenda

5th October 2022

UK TIME		SWEDEN TIME		Session	Speaker(s)
Start	Finish	Start	Finish		
09:30	10:00	N/A	N/A	Arrival and coffee	
				Introductions	
10:00	10:10	11:00	11:10	MAPP	Prof. Iain Todd: Sheffield
10:10	10:20	11:10	11:20	CAM ²	Prof. Eduard Hryha: Chalmers
				Session 1 - In-process Control in Additive Manufacture	
10:20	10:35	11:20	11:35	Talk 1 - Control in Directed Energy Deposition (BeAM)	Dr Felicity Freeman; Sheffield
10:35	10:50	11:35	11:50	Talk 2 - LPBF - offline, online, data-led and physics-led approaches	Dr Rob Snell; Sheffield
10:50	11:05	11:50	12:05	Talk 3 – Quality assurance in PBF-LBt	Prof. Lars Nyborg; Chalmers
11:05	11:20	12:05	12:20	Session 1 Questions/Discussion	
				Morning Break	
				Session 2 - Data handling in AM	
11:40	11:55	12:40	12:55	Talk 1 - Data-Driven Materials Design and Control – Computational Physics in AM	Dr Phillip Stanley-Marbell; Cambridge
11:55	12:10	12:55	13:10	Talk 2 - Efficient and Scalable Data Analysis Infrastructures to Support Data-driven Additive Manufacturing	Prof. Vincenzo Gulisano & Prof. Marina Papatriantafidou; Chalmers
12:10	12:25	13:10	13:25	Talk 3 - Additive Manufacturing data - Aerospace Industry expectations/requirements	Dr Dave Stapleton; Rolls-Royce plc
12:25	12:40	13:25	13:40	Session 2 Questions/Discussion	
				Lunch Break	
				Session 3 - Process Modelling and Simulation	
14:00	14:15	15:00	15:15	Talk 1 - Physically-based Modelling of AM processes	Dr Magnus Anderson Prof. Hector Basoalto-Ibarra; Sheffield
14:15	14:30	15:15	15:30	Talk 2 - Powder simulation in AM	Dr Johannes Quist; Fraunhofer-Chalmers Centre
14:30	14:45	15:30	15:45	Talk 3 - Application of CALPHAD based tools to Additive Manufacturing	Dr Andreas Markström; Themo-Calc Software AB
14:45	15:00	15:45	16:00	Session 3 Questions/Discussion	
				Afternoon Break	
				Session 4 - Industry Overview of	
15:30	15:45	16:30	16:45	Talk 1 - Powder life (industry) - digital thread	Dr Joseph Oluluke and Dr Rob Williams; Carpenter Additive - UK
15:45	16:00	16:45	17:00	Talk 2 - In-situ quality control in AM	Edvin Resebo; Amexci AB
16:00	16:15	17:00	17:15	Talk 3 - Digitalisation of AM at Siemens	Andreas Graichen; Siemens Energy
16:15	16:30	17:15	17:30	Session 4 Questions/Discussion	
				Panel discussion & Next Steps	All