

CU Innovation Day

„Automation for the composites industry - Part B: Virtual Twin, Virtual Commissioning & AI“

on **09 November 2022**

virtual at **Fraunhofer Institute for Machine Tools and Forming Technology IWU** in **CU Mixup.World**

An event of the **CU Working Groups Manufacturing Processes, Automation, AI and Digitalisation** organised by **CU East** and **CU North**

Agenda	Moderation: Dr. Thomas Heber & Dr. Bastian Brenken, Composites United
08:30	Virtual warm-up in CU Mixup.World
09.00	Welcome, news from the CU and objective of the day Dr. Thomas Heber & Dr. Bastian Brenken, Composites United Prof. Steffen Ihlenfeldt, Director of Fraunhofer IWU
09.10	Hardware and software developments for the composites industry at Fraunhofer IWU Dr. Marcel Todtermuschke, Fraunhofer IWU
09.30	AI as an enabler for quality predictions in process commissioning Martin Jührisch / David Haferkorn, Symate GmbH
09.45	Virtual commissioning with ISG-virtuos Marco Schneider, Homag AG
10:00	RoTools: Tool set for agile planning and commissioning of efficient, flexible & compact robot systems Dr. Mohamad Bdiwi, Fraunhofer IWU
10:15	AI modelling with limited data for enhancing R&D Alex Guerrero, Uptim.ai
10:30	Speed-Dating in CU Mixup.World
11:15	Automation solutions for the composites industry Joachim Scheller, FFT Produktionssysteme GmbH & Co. KG
11:30	Digital twin in manufacturing processes for automotive engineering, aerospace technology Lars Windels, SWMS Systemtechnik Ingenieurgesellschaft mbH
11:45	WIAM® ICE: Digital transformation for composites as a basis for artificial intelligence Michal Just., IMA Materialforschung und Anwendungstechnik GmbH
12:00	News from CCiiot – the Industry 4.0 platform for the composites industry Dr. Joachim Starke, inno-focus digital GmbH
12:15	How AI-based solutions help to address global supply chain and workforce challenges? Amir Ben Assa, Plataine Inc.
12:30	Virtual fade out in CU Mixup.World

In addition to "Automation for the composites industry - Part A: Robotics" on 27 October 2022 at Fraunhofer IFAM in Stade.