

Working Group Manufacturing Process Simulation

Arbeitsgruppe Herstellprozess-Simulation

Date: 22.06.2021
 Place: Web Conference
 Moderation: Jordy BALVERS and Mathias HARTMANN

Agenda	
09:30	Welcome , Denny Schüppel / MAI Carbon
09:45	Introduction , Dr. Johannes Mattheus BALVERS / Airbus and Prof. Dr. Mathias HARTMANN / TH Deggendorf
10:00	Manufacturing Process Simulation of Fiber Reinforced Composites – Industrial software tools and state of the art in research , Frederic MASSERIA / ESI Group
10:25	Simulation of stamping of large TPC aerospace parts: sensitivity analysis, software benchmarking and preliminary experimental assessment , Dr. Frederic LANI / SOLVAY
10:50	Predicting the Flow Behavior in Resin Transfer Molding Using Numerical Compaction Simulations , Dennis BUBLITZ / TUM-LCC
11:15	Break
11:30	Multi-scale modeling strategies applied to UD, 2D&3Dwoven for residual stresses and warpage prediction during the cure cycle simulation , Dr. Anthony CHERUET / Hexagon MI
11:55	Recent developments in the advanced simulation of CFRTP induction welding , Dr. Miro DUHOVIC / Leibniz-Institut für Verbundwerkstoffe GmbH, Technische Universität Kaiserslautern
12:20	FDM process simulation: calculation and validation of the part temperature to predict part crystallinity , Dr.-Ing. Robert HEIN / DLR
12:45	Wrap-up & Next Steps
13:00	End