

CU Innovation Day „Automated Fiber Placement“ of CU Working Groups “Manufacturing Processes”, “Automation”, “AI” and “Additive Manufacturing”, organized by CU Ost and CU West



on **4th May 2023** at **Conbility GmbH**

Adress: Kaiserstraße 100, 52134 Herzogenrath

There are now some technologies for the automated robot-assisted placement of composites that cannot always be considered in competition, but also in addition to each other, as they develop their potential differently in different applications. Together with you, we would like to discuss the respective peculiarities, advantages, boundary conditions, challenges, etc. of different technologies in a pre-competitive framework. Our host, Conbility GmbH, and Composites United e.V. are looking forward to an entertaining day with you in Herzogenrath.

Agenda

10:00 Welcome coffee

10:30 Welcome, news from CU Network and goal of the day

Dr. Michael Emonts, Conbility / Dr. Heinz Kolz, CU West / Dr. Thomas Heber, CU Ost

10:40 Conbility Turn-Key Machines for Laser-assisted Tape Placement & Winding

Dr. Michael Emonts & Dr. Kai Fischer, Conbility

11:00 The XCell, a compact and accessible AFP solution

Chiemi Avila Mori, Carbon Axis

11:20 3D robot tape layup

Wilhelm Rupertsberger, FILL

11:40 F2-Compositor® - Scalable Platform for Printing Thermoplastic-Tape-Preforms

Dr. Markus Steeg, Automation Steeg & Hoffmeyer

12:00 Lunch break

13:00 Flexible Fiber Placement Systems – the STAXX-Family

Raphael Reinhold, Broetje-Automation

13:20 VRA – the tape laying machine for large-scale production of automotive CFRP-parts

Mario Krupka, Voith Composites

13:40 Latest trend in MTorres AFPs. From serial production Gantries to robotics R&D

Manu Motilva, MTorres

14:00 CATFiber V2 DFM: bringing AFP into design stages to optimise composite parts for automated manufacturing

Thierry Couvin, Coriolis Composites

14:20 Live technology presentation at Conbility followed by a tour through the AZL Aachen

16:00 End of the event