

Working across borders in Thermoplastic Composites & Digitalisation

An ITA Innovation Day & Interreg AACOMA Roadshow

When? 20th September 2022 from 10 am to 17 pm
Where? At the ITA Institute for Textile Technology of RWTH Aachen University (Seminarraum), Otto-Blumenthal-Straße 1, 52074 Aachen, Germany

9.30 h Registration of participants

10.00 h **Welcome & Introduction of ITA & AACOMA, Objective of the day**
By Dr. Michael Effing (CEO of AMAC GmbH, Senior Advisor to ITA, Project Manager at AACOMA)

Keynote Presentations

10.20 h **Custom-made KyronTEX® thermoplastic composites for automated mass production in E-mobility, sport and consumer markets**

by Michael Versteegen, Mitsubishi Advanced Materials (MCAM)

10.40 h **Automation and digitalisation in composites manufacturing**
by Magnus Olofsson, Airborne

11.00 h **Innovation Session – Elevator speech – Speed Dating**

Hybrid Yarns – Centexbel

Composite Repair – Flanders Make

Robotics & Cobotics in Composites Manufacturing – University of Liège

Composite chassis with electric drives – Ecurie AIX of RWTH Aachen University

How to build competitive carbon fiber wings in a different way
– ADDI of RWTH Aachen University

12.00 h **ITA Reinforced Network and Joint Partner Projects**

By Dr. Christoph Greb (ITA of RWTH Aachen University) and Dr. Michael Effing (AMAC)

12.30 h ITA Tour and Lunch

13.30 h Transfer to the ITA Digital Capability Center DCC

Registration to Mona Ziegler, amac-communications@effing-aachen.de

- 13.45 h **Introduction to the ITA DCC and the offerings on digitalization**
By Carolin Schwager
- 14.30 h **Matchmaking session on Digitalisation in composites manufacturing**
Retrofitting of existing production – ITA DCC/AACOMA
Augmented Reality in production - ITA DCC/AACOMA
Artificial Intelligence in quality control – ITA DCC/AACOMA
- 15.45 h **Summary and next steps**
- 16.00 h **Official Closing of the event**
- 16:00 h **Optional with registration**
Test Drive with the electric city car E.Go
on the RWTH Aachen University Campus
<https://e-go-mobile.com>
- 17.00 h End of day**

About Interreg: <https://www.interregeurope.eu>

About ITA: <https://www.ita-gmbh-ac.de/language/en/home-en/>