

ITA Reinforced! Innovation Day "Automation" and "Composite Testing and Sensor Integration" September 26th 2023

- Hybrid event for persons who are not able to attend the event physically -

| 9:30 h | Registration @ ITA Aachen |
|-----------------|--|
| 10:00 – 10:15 h | Welcome and update on activities of ITA Group by Dr. Michael Effing and Dr. Christoph Greb |
| 10:15 – 10:30 h | Partner Presentation "Automation and Digitalization – a new AVK Workgroup for the Composite Industry" by Dr. Elmar Witten, AVK |
| 10:30 – 10:50 h | Partner Presentation "Automation in the Processing of Thermoplastic Composites" by Engel Automotive and Mobility, Austria <i>(requested)</i> |
| 10:50 – 11:10 h | Partner Presentation "Innovative Tooling Systems in the Industrialization of Composite Part Production" by Dr. Ulrich Kuenzer, ALPEX Technologies, Austria |
| 11:10 – 11:30 h | Networking Break |
| 11:30 – 11:50 h | Partner Presentation "Machine Learning for Efficient Process Optimization in Textile Draping for Composite Production" by Dr. Clemens Zimmerling, KIT FAST |
| 11:50 – 12:10 h | Partner Presentation "Advanced Fibre Placement Technology" by Dr. Patrick Kölzer, AFPT GmbH |
| 12:10 – 13:00 h | Matchmaking & Networking Lunch |
| 13:00 – 13:20 h | Presentation "ITA Reinforced! Partnership Model" by Dr. Michael Effing |

| 13:20 – 13:40 h | Partner Presentation "Composite Testing for Formula Student Race Car Development" by Ecurie Aix Formula Student Team RWTH Aachen e.V. |
|-----------------|--|
| 13:40 – 14:00 h | ITA Presentation "Composite Pressure Vessels instrumented with fiber-based Sensors for Structural Health Monitoring by Marcus Welsh |
| 14:00 – 14:20 h | Partner Presentation "Structural Health Monitoring Leaf Spring / Tailored Twin Box" by Prof. KU. Schröder, SLA of RWTH Aachen University |
| 14:20 – 14:40 h | Joint ITA / Partner Presentation "Innovative Clamping Solution for Tensile Testing of impregnated Carbon & Glass Fibre Rovings" by Shantanu Bhat / Grasse Zur Ingenieurgesellschaft mbH |
| 14:40 – 14:50 h | Joint Partner Project "Sensor Matrix" |
| 14:50 – 15:30 h | Networking and individual ITA-Tours with our Experts |
| 15:30 h | End of Meeting |

Location:

ITA of RWTH Aachen University Otto-Blumenthal-Straße 1 52074 Aachen

In Cooperation with the trade associations:





Online Registration: https://rwth.zoom.us/meeting/register/u5crfumqpzMuH9VU6eat15GXeAaSZnQ5VFLn