

CU – Innovation Day

Interiors – Sustainable Materials and New Manufacturing Processes

On May 23, 10:00 – 18:00 h at the CTC GmbH in Stade

Address: Solar Hall of the Research Center CFK NORD
Ottenbecker Damm 12
21684 Stade, Germany

Moderation: Dr. Tassilo Witte & Dr. Bastian Brenken

With the shift to a more sustainability driven mobility, a modern vehicles interior can be the perfect entry point for more sustainable materials, innovative designs and new approaches to serve the everyday users' needs. But a crucial discussion is how to maintain the balance between more sustainable components and potential drawbacks in lightweight design of these components. As the use of bio-based or recycled materials can improve the ecological impact of such components, engineers are battling the often lower performance of this material class - and its impact on component weight.

Discussing industrially and commercially viable approaches to cabin manufacturing that also impact the life-cycle of our vehicles in a positive way will be the main focus of discussion during this Innovation Day on "Interiors - Sustainable Materials and New Manufacturing Processes."

Join this CU-Innovation Day in Stade to get updated on the latest trends regarding modern interiors!

The event will be held in English.

Agenda

09:30 am Registration; Welcome coffee with networking

10:00 am Welcome and Update Composites United e. V.

Marc Fette, *CTC GmbH*

Dr. Tassilo Witte, *CTC GmbH*

Dr. Bastian Brenken, *Composites United e. V.*

10:10 h Keynote: Developments and trends for state-of-the-art aircraft cabins

Dr. Tassilo Witte, *CTC GmbH*

10:50 h Potentials of thermoplastic composites in cabin structures

Maximilian Salmins, *Leibniz-Institut für Verbundwerkstoffe (IVW)*

11:10 h EcoCab – the sustainable low-energy cabin

Kurt Sommer, *MEYER WERFT GmbH & Co. KG*

11:30 h Title tbd.

Bernhard Graf, *FACC*

11:50 h Lunch break and Networking

- 13:00 h **Novel core materials for a more sustainable aircraft**
Willi Wintgens, *EuroComposites* & Berenice Remi, *DuPont*
- 13:20 h **Thermoplastic Sandwich Applications across different industries**
Florian Hennenberger, *BASF* & Thomas Poumadere, *DIAB*
- 13:40 h **Alternative concepts for interior design – requirements and challenges**
Björn Speckmann, *Fraunhofer IFAM*

14:00 h Coffee Break and Networking

- 14:30 h **Injection molding for interior applications**
Yannick van Dijk, *Vaupell*
- 14:50 h **SMC-Interior materials for the transport industries**
Nicole Stöß, *Polynt*
- 15:10 h **“Digital cabin layout generation”, Title t.b.d.**
Dr. Jörn Biedermann, *DLR*

15:30 h Tour through the CTC GmbH with focus on cabin technologies and projects

16:30 h Get-together and drinks

18:00 h End of event