

LOCATIONS:

WEDNESDAY, FEBRUARY 5TH

16:00 / Meeting Point

ThermHex Waben,
Merseburger Straße 235, 06130 Halle (Saale)

16:15 – 18:15 / Guided Tours

ThermHex Waben,
Merseburger Straße 235, 06130 Halle (Saale)

Fraunhofer Pilot Plant Center for Polymer Synthesis and Processing PAZ,
Value Park 74, 06258 Schkopau

19:00 / Plenary Talk / Get-Together / Dinner

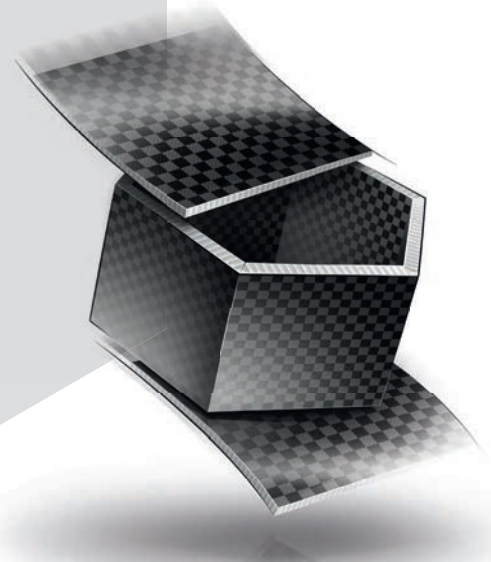
German National Academy of Sciences Leopoldina,
Jägerberg 1, 06108 Halle (Saale)

THURSDAY, FEBRUARY 6TH

9:00 / Conference Presentations

Fraunhofer Institute for Microstructure of Materials and Systems IMWS
Walter-Hülse-Straße 1, 06120 Halle (Saale)

supported by



COMPOSITE-SANDWICH CONFERENCE

2020

5 – 6 February 2020
Halle (Saale)



More information and registration:
www.composite-sandwich.com

WEDNESDAY, FEBRUARY 5TH

16:00 / Meeting

at ThermHex Waben

16:15 – 18:15 / Guided Tours

at ThermHex Waben GmbH and Fraunhofer Pilot Plant Center for Polymer Synthesis and Processing PAZ

19:00 / Opening / Introduction and Historical Remarks

at German National Academy of Sciences Leopoldina
Dr. Jochen Pflug, *ThermHex Waben*
Dr. Ralf Schlimper, *Fraunhofer Institute for Microstructure of Materials and Systems IMWS*

Plenary Talk

Dis- and debonds in sandwich structures – past and present

Prof. Christian Berggreen, *TU Denmark*

20:00 / Get-Together / Dinner

German National Academy of Sciences Leopoldina

THURSDAY, FEBRUARY 6TH

8:30 / Registration

9:00 / Opening

Dr. Jochen Pflug, *ThermHex Waben*
Dr. Ralf Schlimper, *Fraunhofer Institute for Microstructure of Materials and Systems IMWS*

9:15 / Industrial Applications

Past, present and future of Nomex® based and Kevlar® based honeycomb cores in aircraft applications

Dr. Mikhail R Levit, Dr. Olivier Rozant, *DuPont Safety and Construction*

Honeycomb cores in solar array substrates for the space industry

Marc Verhaeg, *Airborne*

Challenges and applications for sandwich structures in the aircraft cabin

Florian Hesselbach, *Diehl Aviation*

Depths vs. breadth of sandwich materials – or why finding a cabin/ aircraft-worthy foam is not sufficient

Lisa Müller, *Airbus*

Thermoplastic high performance composites – the key for high volume aircraft sandwich part production

Dr. Udo Berthold, *COTESA*

11:00 / Coffee break

11:20 / Material properties and developments

Assessment of damage tolerance of composite sandwich structures in high performance applications

Dr. Ralf Schäuble, *Fraunhofer Institute for Microstructure of Materials and Systems IMWS*

High volume production of complex sandwich structures in the foam molding process

Juliane Troschitz, *Institut für Leichtbau und Kunststofftechnik Dresden*

The FITS System for high series, low cost parts for interiors of aircrafts

Martin de Groot, *FITS Technology*

High performance thermoplastic honeycomb cores

Tomasz Czarnecki, *EconCore*

Simulation of honeycomb cores in sandwich structures

Dr. Falk Hähnel, *TU Dresden*

13:00 / Lunch break

14:00 / Technologies and production techniques

Body concept of the DLR Safe Light Regional Vehicle Concept in innovative sandwich construction

Michael Kriescher, *Deutsches Zentrum für Luft- und Raumfahrt, Institut für Fahrzeugkonzepte*

Overview sandwich technology @KUZ – Thermoplastic foam injection moulding of various sandwich material systems using physical foaming agents

Annerose Hüttel, Dr. Mathias Kliem, *Kunststoff-Zentrum Leipzig*

Hierarchical sandwich honeycomb cores

Dr. Jochen Pflug, *ThermHex Waben / EconCore*

Thermoplastic sandwich structures with bead foam cores – novel processing approaches

Dr. Thomas Neumeyer, *Neue Materialien Bayreuth*

A novel technology for mass production of continuous-fiber-reinforced thermoplastic sandwich structures with integrated honeycomb core

Thomas Gläßer, *Fraunhofer Institute for Microstructure of Materials and Systems IMWS*

15:45 / Outlook and closing remarks

Dr. Jochen Pflug, Dr. Ralf Schlimper

16:00 / Get-Together with coffee and cake