

LOCATIONS

WEDNESDAY, **APRIL 24**

14:00 | Meeting point

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

14:45 - 17:00 | Guided tours

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

Fraunhofer Pilot Plant Center for
Polymer Synthesis and Processing PAZ
Value Park A70, 06258 Schkopau

18:00 | Plenary talk | Get-together | Dinner

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

THURSDAY, **APRIL 25**

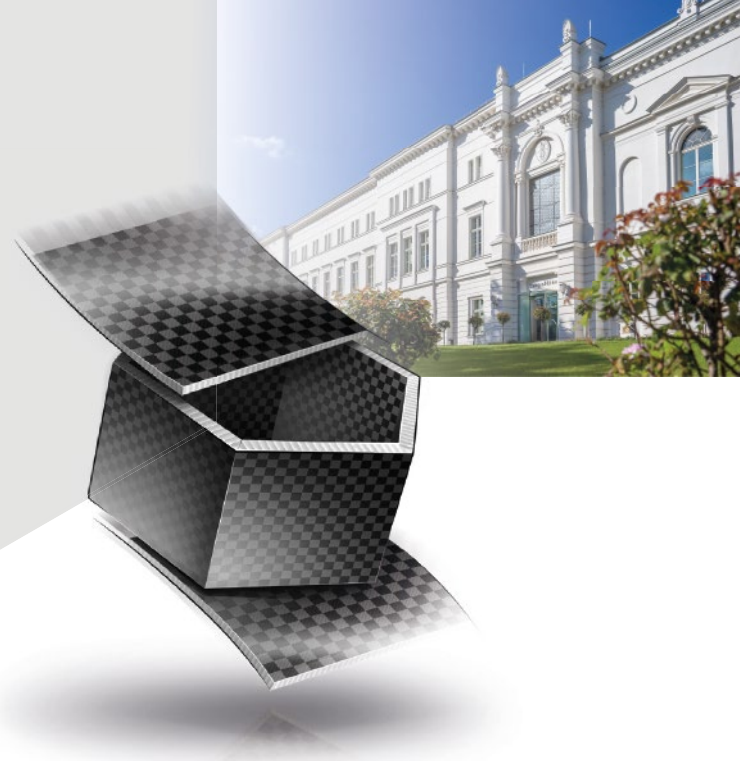
9:00 - 16:30 | Conference

IAMO conference hall
Theodor-Lieser-Str. 2, 06120 Halle (Saale)

supported by



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



**COMPOSITE-
SANDWICH
CONFERENCE**

2024

24 - 25 April | Halle (Saale)



PROGRAM

WEDNESDAY, APRIL 24

14:00 Meeting point

at ThermHex Waben GmbH

14:45-17:00 Guided tours

at Fraunhofer Pilot Plant Center for Polymer Synthesis and Processing PAZ

18:00 Opening | Plenary talk

at German National Academy of Sciences Leopoldina

Dr.-Ing. Jochen Pflug, ThermHex Waben GmbH

Dr.-Ing. Ralf Schlimper, Fraunhofer IMWS

Greeting

Prof. Dr.-Ing. Holger Hanselka, President Fraunhofer-Gesellschaft e.V.

Prof. Dr. Erica Lilleodden, Director Fraunhofer IMWS

Keynote

Innovations in composite sandwich structures:
reflections on a personal journey

em. prof.dr.ir. Ignaas Verpoest

19:00 Get-together | Dinner

at German National Academy of Sciences Leopoldina

THURSDAY, APRIL 25

IAMO conference hall,
Theodor-Lieser-Str. 2, Halle (Saale)

08:30 Registration

09:00 Welcome

09:15 Industrial Applications

Composite sandwich backsheets in solar photovoltaic applications:
Lightweight, circular and ready for building integration

Prof. Gerard de Leede, CTO, Solarge

The application of sandwich technology to the
airframe structure of helicopters

Rainer Arelt, Expert for Composites, Airbus Helicopters

proECOLight - Sustainable and weight-optimized protective
structures in the underbody area for BEVs

Dr.-Ing. Julius Rausch, Vorentwicklung Exterieur Neckarsulm, Audi AG

Innovative thermoplastic honeycomb sandwich material
for underbody applications in sports cars

Dr. Steffen Hölzel, Manager Body Engineering, Porsche AG

Jens Klug, Business Development Manager, Gubesch GmbH

10:45 Coffee Break

11:30 Material Properties & Developments

Sandwich structures made of ceramic matrix composites
Bernhard Heidenreich, Dept. of Ceramic Composites Structures, DLR

Assessing the mechanical performance of ultra-lightweight
sandwich materials

Dr. Ralf Schäuble, Assessment and Design of Composite Structures
Fraunhofer IMWS

New thermoplastic particle foam for innovative and
sustainable composite interiors and aerostructures

Dr. Alexander Roth, Head of Market Segment Aerospace, Evonik
Performance Foams; Denis Holleyn, Evonik Performance Foams

Performance improvement: Thermoplastic honeycomb
cores with wavy cell wall geometry

Dr. Jochen Pflug, Wouter Winant, EconCore R&D

13:00 Lunch break

14:00 Technologies & Production Techniques

Revolutionizing honeycombs: Coextruded cell walls with
foamed core for thermoplastic honeycombs

Philipp Helle, Verarbeitungstechnik, KUZ Leipzig

Gregor Jesse, Composites Lightweight Engineering, HTWK Leipzig

The potential of lightweight sandwich structures for
sustainable driver cabin of modern trucks

Roland Stechow, R&D Engineer - Commercial Vehicles, Daimler Truck AG

Sustainable raw materials for lightweight system solutions: Honey-
comb-composite for eLCV and insulation materials for battery packs

Dominik Fitz, Director new business, Delignit AG

Stefan Dröscher, KAM Automotive, Blomberger Holzindustrie GmbH

Composite sandwich construction for Light Electric Vehicle and
investigation of environmental impacts by Life Cycle Assessment

Sven Wüstenhagen, Sustainable Materials & Processes, Fraunhofer IMWS

15:30 Closure remarks

15:40 Networking coffee break

16:30 Optional: Guided tour

Microstructure Diagnostics and
Mechanical Testing Lab
at Fraunhofer IMWS