



1917



2017

HISTORICAL ASPECT OF THE SUMMER SCHOOL

The head office of the EconHP Holding GmbH, which is the main shareholder of ThermHex Waben GmbH since 2010, continues the industrial honeycomb production in Halle at the historic headquarters of the former **Hallesche Papierwarenfabrik Heilbrun & Pinner** in Geiststraße 21. In 1901, the Jewish founding family of Heilbrun & Pinner created the industrial basis for today's widespread honeycomb technology for lightweight sandwich components and produced paper honeycombs on a large scale. In 1938 the families had to emigrate abroad. Today's EconHP / ThermHex group generated 11 jobs in Halle within a few years. The historic company headquarters of the first large-scale paper honeycomb manufacturing hall, is now used as the main office for the company EconHP which sees itself in this production-technological tradition. The honeycombs are produced in the production plant of **ThermHex Waben GmbH** in Merseburger Straße 237 in Halle. Modern honeycomb cores in light fiber composite components are among others now used in vehicle and aircraft construction.



REGISTRATION

For registration please complete and submit the registration form which can be found on our website www.geist21.com

Registration Deadline is July 31, 2018

The Innovation Summer School is free of charge, accommodation (in Geiststraße 21, Halle) will be provided. Travel costs must be covered by attendees.

VENUE



CONTACT

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**THIS YEAR FOCUS:
AUTOMOTIVE**

GEIST 21

INNOVATION SUMMER SCHOOL



**09-14
SEPTEMBER 2018
HALLE / SAALE**

ThermHex 
Thermoplastic Honeycomb Cores

 **econcore**
economic core technologies

 **econHP** Holding
economic honeycomb core and panel technologies

GENERAL INFO



TOPIC:

Sandwich-Monocoque for lightweight electric cars

WHEN:

09 – 14 September 2018

WHERE:

EconHP - Geiststraße 21, 06108 Halle/Saale and
ThermHex Waben GmbH, Merseburger Straße 237, 06130 Halle/Saale

WHO:

Innovative thinking (Master-) **Students** (automotive, aerospace, composites) with interest in new materials.

Prerequisites: English (conversant), ability to work in a team, enthusiasm for new materials and break new ground

WHY:

Deep insights in a special and future oriented application area, practical oriented lectures

LIMITED NUMBER OF PARTICIPANTS! WINNER TEAM RECEIVES BONUS OF 500€

Supported by:



PROGRAMME (subject to modifications)

SUNDAY, 09 SEPTEMBER

Geiststraße 21, 06108 Halle

5 pm Café Diem / Welcome reception & dinner

MONDAY, 10 SEPTEMBER

Merseburger Str. 237, 06130 Halle

8:30 am ThermHex, Jochen Pflug / Introduction ThermHex products, sandwich technology, production line

12 pm Lunch break

1 pm Tuecomotive, Jonathan Verhaar / Introduction to LINA

3 pm KA-RaceInge.V., Kilian Kiesel / Monocoques in racing cars

6 pm Joint guided city tour

7 pm Café Diem / Dinner

TUESDAY, 11 SEPTEMBER

Merseburger Str. 237, 06130 Halle

8:30 am DLR, David Käse / Challenges and prospects of integrating sandwich materials within a car body structure: Demonstrated in the development process of the "Next Generation Car-Project"

10 am Gordon Murray Design, Alex Beim / Lightweight by Design – Sandwich Panel Composites in Volume Automotive Applications

12 pm Lunch break

1 pm Inspire, Markus Zogg / Automotive lightweight FRP monocoque structures

3 pm Fraunhofer IMWS, Thomas Gläser

4 pm PAZ Schkopau, Thomas Gläser / Visit test plant

7 pm Café Diem / Dinner



WEDNESDAY, 12 SEPTEMBER

Merseburger Str. 237, 06130 Halle

8:30 am EJOT, Nico Müller, Tony Wiegandt / Introduction to EJOT-line, inserts for sandwich material

10 am Work on product / Design of sandwich monocoques with inserts

12 pm Lunch break

1 pm Work on product / Design of sandwich monocoques with ThermHex honeycombs

3 pm Work on product / Realization of sandwich monocoque

6:30 pm Café Diem / Dinner

THURSDAY, 13 SEPTEMBER

Merseburger Str. 237, 06130 Halle

8:30 am FH JoanneumGraz, Michael Trzesniowski / Monocoques made of fibre-reinforced composites

10 am Work on product / Realization of sandwich monocoque

12 pm Lunch break

1 pm Work on product / Realization of sandwich monocoque

6:30 pm Café Diem / Dinner

FRIDAY, 14 SEPTEMBER

Merseburger Str. 237, 06130 Halle

8:30 am Final work on product

12 pm Lunch break

1 pm Summer School Closing Ceremony / Race with infento ebikes

