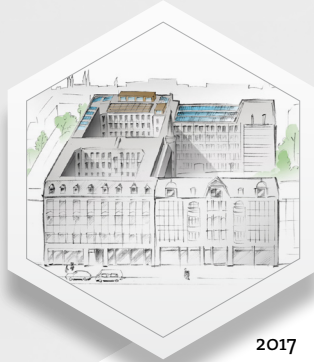




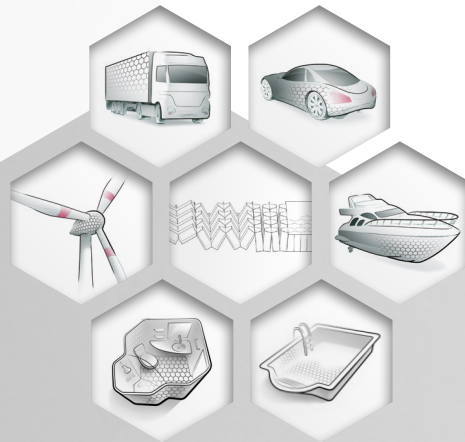
1917



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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Email: info@geist21.com

**THIS YEAR FOCUS:
AUTOMOTIVE**

GEIST 21

INNOVATION SUMMER SCHOOL



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

Supported by:

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

5 – 6:30pm Geiststraße 21, 06108 Halle

Welcome reception

7 – 7:30pm Café Diem / Dinner

8pm / Joint guided city tour (app. 45 min) / Christina Hampel

MONDAY, 10 SEPTEMBER

7am / Café Diem / Breakfast

8:30am / Merseburger Str. 237, 06130 Halle

Welcome, introduction to production line and products / Problem statement / ThermHex / Jochen Pflug

10am / TUecomotive / Introduction to Lina (biobased car with sandwich monocoque)

12am / Lunch break

1pm / n.n.

3pm / Break

3:20pm / n.n.

7 – 7:30pm / Café Diem / Dinner

TUESDAY, 11 SEPTEMBER

7am Café Diem / Breakfast

8:30am / Merseburger Str. 237, 06130 Halle

DLR Deutsches Zentrum für Luft- und Raumfahrt e.V. / Institut für Fahrzeugkonzepte / M. Sc. David Käse

10am / automotive lightweight FRP monocoque structures / Inspire / Dr. Markus Zogg

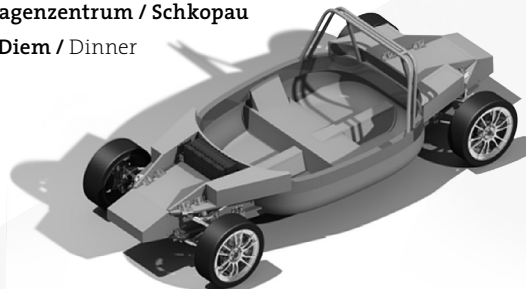
12am / Lunch break

1pm / n.n.

3pm / Break

3:20pm / Pilotanlagenzentrum / Schkopau

7 – 7:30pm / Café Diem / Dinner



WEDNESDAY, 12 SEPTEMBER

7am Café Diem / Breakfast

8:30am / Merseburger Str. 237, 06130 Halle

Introduction EJOT line inserts for sandwich material / M. Sc. Niko Müller, Dipl.-Ing. Tony Wiegandt

10am / Work on product, design of monocoques with inserts

12am / Lunch break

1pm / Work on product, design of the sandwich monocoques with ThermHex material

3pm / Break

3:20pm / Work on product, realization of the sandwich monocoque

7 – 7:30pm / Café Diem / Dinner

THURSDAY, 13 SEPTEMBER

7am Café Diem / Breakfast

8:30am / Merseburger Str. 237, 06130 Halle

Work on product, realization of the sandwich monocoque

12am / Lunch break

1pm / Work on product, realization of the sandwich monocoque

3pm / Break

3:20pm / Work on product, realization of the sandwich monocoque

7 – 7:30pm / Café Diem / Dinner

FRIDAY, 14 SEPTEMBER

7am Café Diem / Breakfast

8:30am / Merseburger Str. 237, 06130 Halle

Final work on product

12am / Lunch break

1pm / Presentation of results / race with infento ebikes using the realized sandwich monocoque

2:30pm / Closing Ceremony

