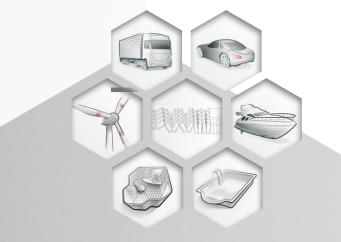


# HISTORICAL ASPECT OF THE SUMMER SCHOOL

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.



# CONTACT

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# THIS YEAR FOCUS: AUTOMOTIVE







# **GENERAL INFO**



Sandwich-Monocoque for lightweight electric cars

# WHEN:

**TOPIC:** 

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

Café Diem / Welcome reception & dinner 5 pm

### **MONDAY, 10 SEPTEMBER**

#### Merseburger Str. 237, 06130 Halle

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

- Lunch break 12 pm
- Tuecomotive, Jonathan Verhaar / Introduction to LINA 1 pm
- 3 pm KA-RaceInge.V., Kilian Kiesel / Monocoques in racing cars
- 6 pm Joint guided city tour
- Café Diem / Dinner 7 pm

### **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
- Inspire, Markus Zogg / Automotive lightweight 1 pm FRP monocoque structures
- Fraunhofer IMWS, Thomas Gläser 3 pm
- 4 pm PAZ Schkopau, Thomas Gläser / Visit test plant
- Café Diem / Dinner 7 pm



# WEDNESDAY, 12 SEPTEMBER

#### Merseburger Str. 237, 06130 Halle

8:30 am	<b>EJOT, Nico Müller, Tony Wiegandt /</b> 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 honeycomb
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

Summer School Closing Ceremony / 1 pm Race with infento ebikes

