
Welcome to the research project BAMP!

The main focus of the LOEWE program of the State of Hessen aims to contribute to the systematic development of the advantages of the material paper for the building industry and architecture, to establish the prerequisites for a new economic field with an internationally visible focus in Hessen and to anchor it at the participating universities in the long term.

Paper as a building material

Natural materials such as wood or paper have been used in the building industry and architecture for thousands of years and still play an important role in modern building and interior construction, today. Examples range from plywood slabs and gypsum fibreboards to laminates. The available products are mainly based on the experience of the manufacturers. In this context, paper offers excellent potential for bio-based applications in the building industry and architecture. It is inexpensive to produce, consists mainly of renewable raw material, offers very good strength properties in relation to its own weight, can be produced as a sheet material but also with high porosity or even as a foam, and it is relatively easy to chemically functionalize.

Contact

Link to the project homepage:
https://www.tu-darmstadt.de/bauenmitpapier/startseite_1/index.en.jsp



Venue

Georg Christoph Lichtenberg Haus

Dieburger Str. 241
D - 64287 Darmstadt

Organisation

Bauen mit Papier – BAMP!

Technische Universität Darmstadt
Hochschule Darmstadt
Technische Hochschule Mittelhessen

Prof. Dr.-Ing. Ulrich Knaack

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Institut für Statik und Konstruktion

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ISM+D

Institute of Structural Mechanics and Design
Institut für Statik und Konstruktion

Building with Paper Conference 2019

Lichtenberghaus Darmstadt
07.11.2019



Scientific objective

As part of the Building with Paper Conference, our guests will gain an insight into the world of constructing with alternative materials and the opportunity to discuss the potential and risks associated with the subject.

The event includes interesting presentations by our speakers from research and industry, and thus spans a broad field between theory and implementation.

All interested parties are cordially invited to participate in the lectures and discussions.

Registration

For your binding registration please use the following link:

<https://www.tu-darmstadt.de/bauenmitpapier/bc19/confreg.en.jsp>



Please note, that the event is limited to 100 participants. In case of questions and suggestions please contact Mr. Nihat Kiziltoprak: registration@ismd.tu-darmstadt.de

Important dates

18.10.19 Registration deadline

07.11.19 Conference day

This Flyer is also digitally accessible:
<https://www.tu-darmstadt.de/bauenmitpapier/bc19/confinfo.en.jsp>



Programme

Session 1

- 09:00 Registration
- 09:40 Welcome words
Prof. Dr.-Ing. Samuel Schabel
Prof. Dr.-Ing. Ulrich Knaack
TU Darmstadt
- 10:00 Why We Love Plants
Kasper Guldager Jensen
3XN, GXN
- 10:20 The Cardboard Dome Revisited
Prof. dr. ir. A.C.J.M. Eekhout
Octatube
- 10:40 Demonstrator presentation
Dr. eng. arch. Jerzy Łątka
Wroclaw University of Science and Technology
- 11:00 Project presentation
BAMP! – Building with paper
Prof. Dr.-Ing. Samuel Schabel
Prof. Dr.-Ing. Ulrich Knaack
TU Darmstadt
Hochschule Darmstadt
Techn. Hochschule Mittelhessen
- 11:30 Poster Session
- 12:30 Lunch
- ### Session 2
- 13:30 Sandwich Panels with a Core made of Corrugated Cardboard
Dipl.-Ing. Aaron von der Heyden
TU Darmstadt

Programme

- 13:50 Re-Inventing Construction
Prof.-Dipl.-Arch. Dirk E. Hebel
Karlsruhe Institute of Technology
- 14:10 Project presentation
KOMPAP - Energy-efficient construction by composite materials with paper
Prof. Dr.-Ing. Jens Schneider
TU Darmstadt
- 14:30 Demonstrator presentation 2
Dr. eng. arch. Jerzy Łątka
- 15:00 Coffee break
- ### Session 3
- 15:30 Building with Cardboard - A great material with a poor image
Dr. ing. Marcel Bilow
TU Delft
- 15:50 How to Enhance Sustainable Material Use with Paper?
Gert-Jan Rozemeijer, Msc.
Adviesbureau Lüning B.V.
- 16:10 Project presentation
Notunterkünfte aus Papier
Martin Wilfinger, M.Sc.
Alexander Wolf, M.A. (arch.)
TU Darmstadt
- 16:30 Demonstrator presentation 3
Dr. eng. arch. Jerzy Łątka
- 17:40 Closing speech
Prof. Dr.-Ing. Ulrich Knaack
TU Darmstadt