

# THE Congress – NATURAL **fiber** EXTRACTION

Industrial processing of renewable raw and residual materials  
Focus: Fiber extraction of natural fibers and biopolymers

**OCTOBER 09 2024**  
**LOOK 21 STUTTGART**

## Program

### OPENING SESSION

Host: Prof. Dr.-Ing. Markus Milwich, DITF Denkendorf

- 08.30** Check-In, Welcome Coffee
- 09.00** Opening  
Sadiha Steibli, Allianz Faserbasierte Werkstoffe e.V. (AFBW)  
PD Dr. Thomas Stegmaier, DITF Denkendorf  
Prof. Dr.-Ing. Markus Milwich, DITF Denkendorf
- 09.05** Welcome and Introduction  
Minister Peter Hauk MdL, Ministry of Food, Rural Areas and  
Consumer Protection of Baden-Württemberg
- 09.15** Introduction to the project NaturalFIBER and  
Biopolymer BW  
Sadiha Steibli, Allianz Faserbasierte Werkstoffe e.V. (AFBW)
- 09.20** Biobased Performance – Products based on  
unidirectional tapes from hemp fibers  
Kay Köllig, FUSE GmbH
- 09.45** Requirements for high-quality hemp textiles  
Robert Hertel, Dr. Klaus Dippon, HempAge AG
- 10.10** BREAK – Visit the exhibition

### SESSION 1

Host: PD Dr.-Ing. Thomas Stegmaier, DITF Denkendorf

- 10.45** HEMP FIBRE: from field to yarn  
Maciej Kowalski, Kombinat Konopny
- 11.10** A sneak peek to industrial hemp processing  
Alex Teodorescu, Cretes
- 11.35** TATHAM – 160 years of Natural Fibre Processing  
Dan Matthews, Macart Textiles (Machinery) Ltd
- 12.00** HD1300TEXTILE: the new generation of hemp  
decorticator designed for competitive and profitable  
local hemp value chains. update and perspectives  
Pierre Amadieu, Hemp-Act SAS
- 12.25** LUNCH – Visit the exhibition

### MATERIAL SLAM

Host: Prof. Dr.-Ing. Markus Milwich, DITF Denkendorf

- 13.25** Hemp Based Sandwich-Panels  
Valentine Troi, Grownlab – Universität Innsbruck  
Dr. Klaus Dippon, Bio-Composites And More GmbH
- 13.32** Development and construction of a process chain  
from the extraction of hemp fibres to the natural  
fibre-reinforced component – A project summary  
Claudia Möhl, DITF Denkendorf
- 13.46** Dyeing natural fibres with sustainable dyes and  
methods  
Alice Schwab, TITV – Textilforschungsinstitut Thüringen-  
Vogtland e.V.
- 13.48** Hemp365  
Stefan Radlmayr, Fibers365 GmbH
- 13.54** WDBSD TX® Technikum Laubholz  
Dr. Anjum Saleem, WDBSD TX® Technikum Laubholz

**Visit our exciting natural fiber and biopolymers table fair  
and join the marketplace!**

### SESSION 2A – ECOLOGY

Host: Prof. Dr.-Ing. Markus Milwich, DITF Denkendorf

- 14.15** Hemp textiles as sustainable alternative for  
Hotel industry  
Gordana Stevanecvic, Steva Hemp Srls
- 14.40** Potential use of agricultural residues using the  
Lycocell process  
Heinrich Menning, Thüringisches Institut für Textil- und  
Kunststoff-Forschung (TITK) e.V.
- 15.05** Circular Economy (due to a versatile crop) with  
decentral solutions  
Matthias Schwarz, Rottal Hanf GmbH
- 15.30** BREAK – Visit the exhibition

### SESSION 2B – FIBER EXTRACTION AND PROCESSING

Host: Valentine Troi, Grownlab – Universität Innsbruck

- 14.15** Towards the industrial development of the water  
retting technology: the WATER RETTING 4.0 project  
Vita Maria Cristiana Moliterni, Council for Agricultural  
research and Economics – Research Centre for Genomics &  
Bioinformatics – Italy
- 14.40** BIO-RETTIN an efficient enzymatic processing of  
natural renewable bast fibre resources – tool of  
complex utilization of crop  
Jan Marek, Martin Kyselka, INOTEX spol. s r.o.
- 15.05** Valorization of natural fibre extraction by-products  
Francesco Faralli, CORMATEX S.R.L.  
Fatih Bağkesen, FBK Technologies GmbH & Co. KG
- 15.30** BREAK – Visit the exhibition

### SESSION 2C – BIOPOLYMERS

Host: PD Dr.-Ing. Thomas Stegmaier, DITF Denkendorf

- 14.15** The Potentials of Biopolymers: State of the Art  
and Future Perspectives  
PD Dr. rer. nat. Malte Winnacker, DITF Denkendorf
- 14.40** Use of bio-based raw materials in epoxy resins  
Helge von der Linden, M.u.H. von der Linden GmbH
- 15.05** Accelerate change with biophilic design  
Patrik Sauter, spek DESIGN
- 15.30** BREAK – Visit the exhibition

### SESSION 3

Host: PD Dr.-Ing. Thomas Stegmaier, DITF Denkendorf

- 15.55** Perpetually Renewable  
Michael Marchuk, Ukrainian Hemp®  
First Hemp Corporation LLC
- 16.20** Presentation of Groz-Beckert's staple fiber needling  
line and the possibility of processing natural fibers  
Lisa Seifriz, Bruno Kuhl, Groz-Beckert KG
- 16.45** Hemp for high-value textile applications: progress  
on upscaling cultivation, harvesting and processing  
on the flax scutching line  
Veronique Troch, HOGENT University of Applied Sciences  
and Arts, Research Center AgroFoodNature

- 17.10** Robotic Flax Construction – Digital enabling  
technology for the use of rapidly renewable  
building materials in architecture  
Moritz Dörstelmann, Karlsruhe Institute of Technology (KIT) –  
Department of Architecture Institute of Design and Building  
Technology (IEB)

### CLOSING SESSION

- 17.35** Closing Words  
Sadiha Steibli, Allianz Faserbasierte Werkstoffe e.V. (AFBW)  
PD Dr. Thomas Stegmaier, DITF Denkendorf  
Prof. Dr.-Ing. Markus Milwich, DITF Denkendorf
- 17.40** Get together, Networking, Finger-Food,  
Visit the exhibition

Event organizers:



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