

**IVGT**

Forschungskuratorium  
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Fibres Textiles Clothing  
EUROPEAN TECHNOLOGY PLATFORM

**context**

# European scientific exchange meeting and discussion on Textile Innovation for Building and Living

**15<sup>th</sup> and 16<sup>th</sup> October 2019**  
**Frankfurt am Main / Germany**

<b>09h45 – 10h00</b>	Registration VCI-building: Mainzer Landstr. 55, 60329 Frankfurt am Main, <a href="http://www.ivgt.de">www.ivgt.de</a>
<b>10h00 – 10h20</b>	Welcome by the Organizers <b>Michael Pöhlig</b> (IVGT), <b>Lutz Walter</b> (ETP) via Skype, <b>Johannes Diebel</b> (FKT), <b>Ariadna Detrell</b> (CONTEXT)
<b>10h20 – 11h20</b>	Textile Innovation in Building 1 <ul style="list-style-type: none"><li>- Thermal insulation design bioinspired by penguin feather and polar bear hair – <b>Urszula Stachewicz</b> (AGH University of Science and Technology in Kraków)</li><li>- Innovation in concrete – <b>Klaus Jansen</b> (TUDALIT e.V.)</li><li>- Tuftings - Alternative Textile Structure for diverse Technical Applications – <b>Dirk Hanuschik</b> (TFI - Institut für Bodensysteme an der RWTH Aachen University)</li></ul>
<b>11h20 – 11h40</b>	Coffee - break

11h40 – 13h00

## Textile Innovation in Building 2

- Thermo-mechanical numerical analysis of multi-functional glass facades with textiles – **Chiara Bedon** (University of Trieste) [not present]
- Flexible interactive surfaces, the novel tool in Architecture – **Georgios Priniotakis** (University of West Attica) [not present]
- Fascination for Textiles and Light– **Lars Meß-Olsohn** (Textile-Architektur.de)
- Solid-Wood Monofilament Textiles – **Stefanie Silbermann** (Kassel University)
- Smart textile Solutions for Architecture, & Living Environments – **Dirk Zschenderlein** (STFI - Saxon Textile Research Institute)

13h00 – 14h00

Lunch - break

## Textile Innovation in Living

- New Product Development in Active Smart Interior Textile – **Kevin Rodrigues** (CeNTI - Centre for Nanotechnology and Smart Materials)
- Intelligent textile shading systems in building for energy efficient room air conditioning – **Edith Claßen** (Hohenstein Institut für Textilinnovation gGmbH)
- Our ecological contribution to protective finishing in the interior area – **Alexandra Kühlbauch** (Rudolf GmbH)
- THS – Textile Heating System including sensor for low energy consumption – **Martin Dinter, Karl-Heinz Maute** (Kufner Holding GmbH)

14h00 – 15h20

15h20 – 15h40

Coffee - break

## Textile Innovation in Building 3

- Thermobonded Composites Made with Cotton and Polylactic Acid Fibres for Building and Interior Applications – **Franziska Stehle** (FIBRE – Faserinstitut Bremen e.V.)
- 
- ILUTEX - Luminous Textile Building Skins +  
- Recycling potential of current Textile Building Skins – **David Schmelzeisen (Jan Serode)** (ITA – Institut für Textiltechnik der RWTH Aachen University)
- Textile Waste Composites for Living Environments – **Vaida Jonaitiene** (Kaunas University of Technology)

15h40 – 17h00

17h00 – 17h30

Discussion Q&A

<b>09h45 – 10h00</b>	Registration VCI-Gebäude: Mainzer Landstr. 55, 60329 Frankfurt am Main, <a href="http://www.ivgt.de">www.ivgt.de</a>
<b>10h00 – 10h20</b>	Keynote: Architecture fully fashioned – Building with Spacer fabrics <b>Claudia Lüling</b> (Frankfurt University of Applied Science)
<b>10h20 – 10h40</b>	CONTEXT network presentation - <b>Ariadna Detrell</b> , CONTEXT Project Chair ( AEI Tèxtils Association) and <b>Bruno Mougin</b> , CONTEXT Vice Chair (Association TECHTERA)
<b>10h40 – 11h10</b>	WG4: Textiles in building and living - Innovation and trends of textile materials in the sector - <b>Enrico Venturini</b> , CONTEXT WG4 leader (Next Technology Tecnotessile)
<b>11h10 – 11h30</b>	Coffee – break

11h30 – 12h10

Examples of innovative textile based solutions for building and living

- Shaping the buildings of the future – creating a designed double arched textile concrete façade – **Markus Regenstein** (Penn Textile Solutions GmbH)
- Adaptive Skins. Developments of kinetic architecture using lightweight materials and technologies – **Salvatore Viscuso** (Politecnico di Milano)

12h10 – 12h30

Textiles in building&living: Scientific and technological bottlenecks – **Enrico Venturini**, CONTEXT WG4 leader

12h30 – 13h45

Lunch - break

13h45 – 15h00

Discussion Group dynamics: research, industry and end-users.  
Goal: prioritization of needs and initiatives

15h00 – 15h20

Reports from the working group and Discussion  
Plenary discussion, collective prioritisation of the initiatives

15h20 – 15h30

Wrap up and closure

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<https://www.ivgt.de/>

<http://www.textile-platform.eu/>

<https://www.textilforschung.de/>

<http://www.context-cost.eu/>





# Industrieverband

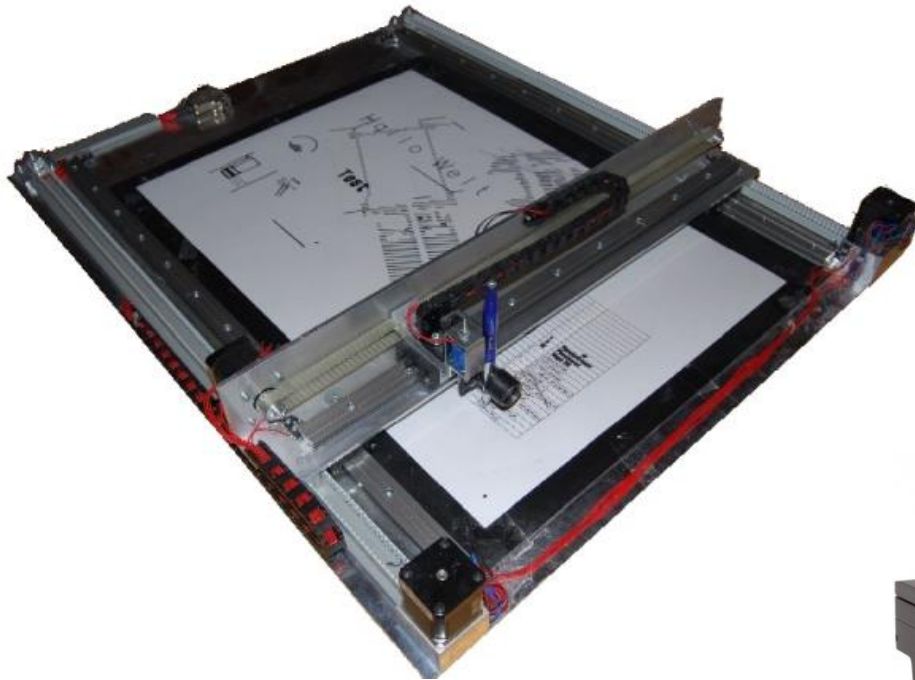
Veredlung – Garne – Gewebe – Technische Textilien e.V.

# Times are changing... in Architecture... AIRBAG



Source: Google „live before AutoCAD“

# New Tools... making work easy and quick..AG



Source: Google „Plotter“

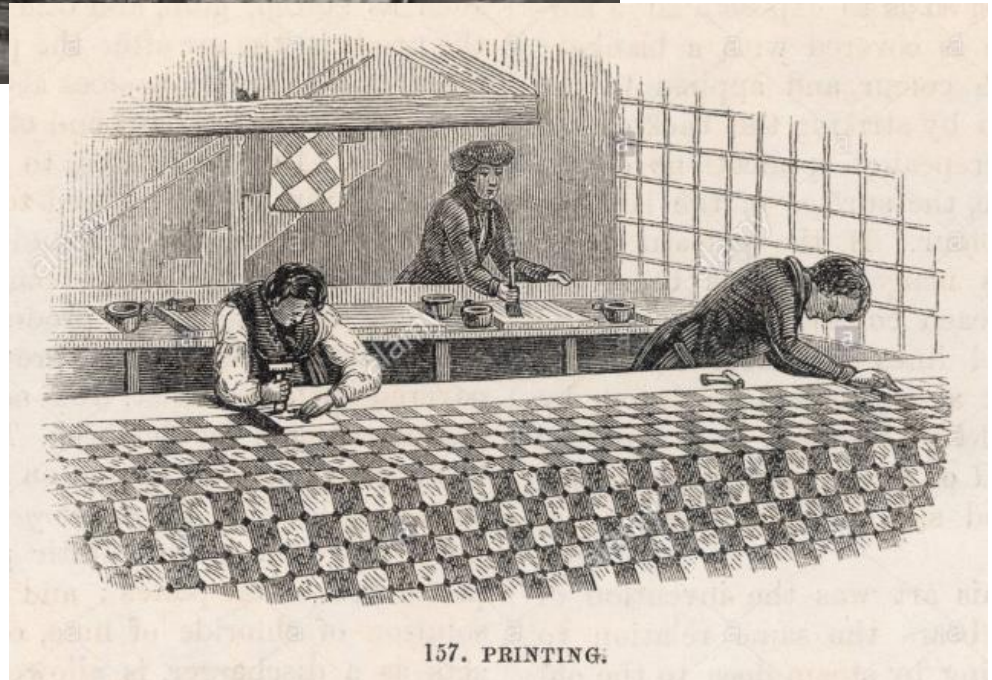
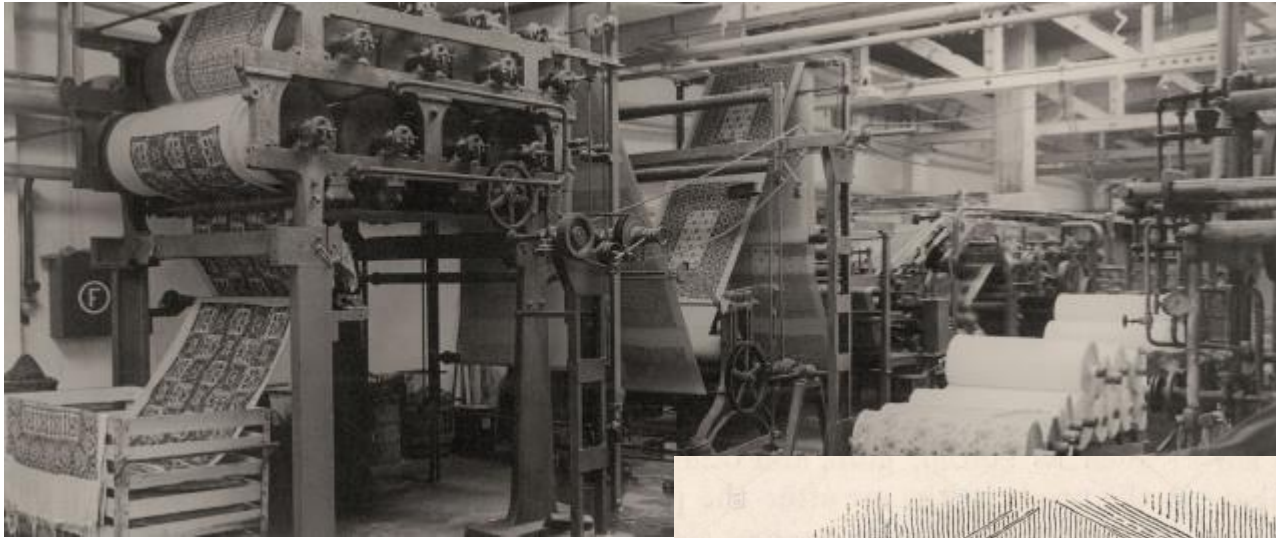
...in textiles too...

AIRBAG



Source: Google „Textildrucker“

# The automation of a craft... startet early... BAG



Source: Google „Textildruck historisch“



# ... in Textiles and Architecture...

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isoglobal.com



architecture | Elisabeth Heimdal...  
newtextiles.wordpress.com



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Serge Ferran Textiles -...  
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isoglobal.com



Fabric-Architecture-Arena-da-Amazonia...  
setflex-global.com



Fachada Textil, Estadi...  
pinterest.com



Textile architecture receives resear...  
chairmans.se



The Very Fabric of Architecture: textile use in...  
architonic.com



Acrylic architectural membrane / roof / for ten...  
archilego.com



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textile-architektur.de



TP Arquitectura | Construcción textil 8-10 S.L...  
tpconstrucciontextil.com



Ellermann GmbH - Die Experten für textile...  
ellermann-objektbau.de



Textilakademie NRW | sop architekten



Membrane & Structures | MDT-tex



Textile Architecture Grupo Moca...



Textile architecture division | IASO



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Ihr Netzwerk führender Unternehmen...



Tensile Architecture - Dickson Coatings

Source: Google „Textile architecture“

# Industrieverband

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