

SPECIAL GRANT FOR THE 13TH STUDENT COMPETITION "TEXTILE STRUCTURES FOR NEW BUILDING" 2015

This competition is designed to identify **innovative thinking** and **innovative solutions** to problems, featuring construction projects capable of concrete realisation which use textiles or textile-reinforced materials.

A further aim is to **encourage students** and new entrants to the professions. The competition is further intended to **strengthen contacts** between the younger generation, the universities, the technical-textiles industry and broad sections of the building industry.

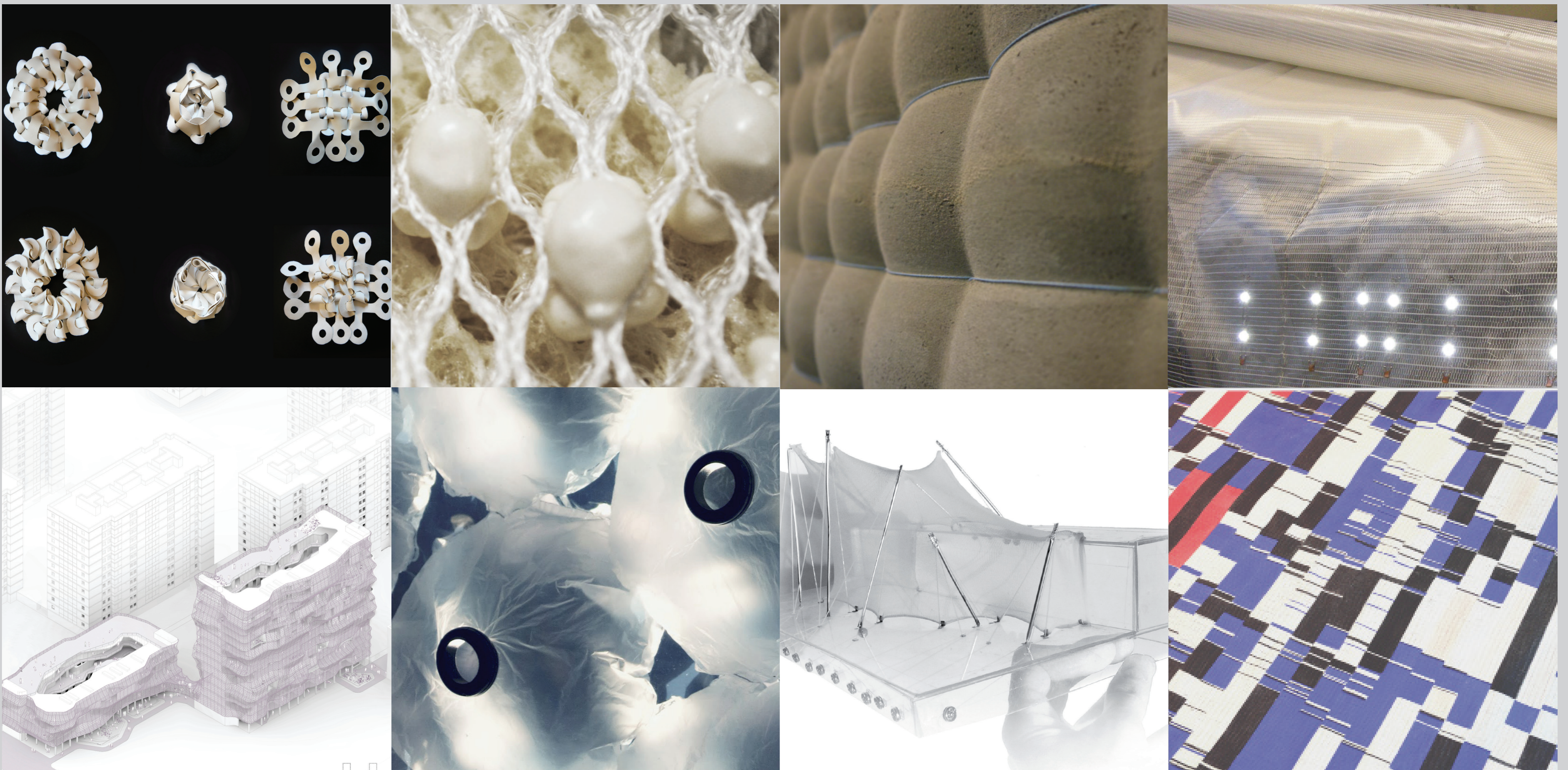
Categories:

Macro Architecture: 2 prizes total prize money awarded € 2,500

Composites and Hybrid Structures: 2 prizes total prize money awarded € 2,500

Material Innovation: 3 prizes total prize money awarded € 3,000

Micro Architecture: 1 special mention



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Jury 2015

Prof. Dr.-Ing. Marijke Mollaert
Chairperson of the Jury
Vrije Universiteit Brussel
Brussels, Belgium

Dipl.-Ing. Arch. Irina Auernhammer
ILEK, University of Stuttgart
Stuttgart, Germany

Prof. Dipl.-Ing. Arch. Benno Bauer
Stuttgart University of Applied Sciences (HFT)
Stuttgart, Germany

Dr.-Ing. Falko Dieringer
Werner Sobek Stuttgart GmbH
Stuttgart, Germany

Dipl.-Arch. ETH Tobias Lutz
Architonic AG
Zurich, Switzerland

Prof. Dr.-Ing. Robert Off
Anhalt University of Applied Sciences
Dessau-Roßlau, Germany

Dipl.-Ing. Alfred Rein
Alfred Rein Ingenieure GmbH
Stuttgart, Germany

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Prize Winner List 2015

Macro Architecture Category:

1st Prize: Leyre Mauleón

2nd Prize: Francisco López Sánchez

Composites and Hybrid Structures Category:

1st Prize: Tobias Becker

2nd Prize: Carina Kisker

Material Innovation Category:

1st Prize: Judit Eszter Karpati

2nd Prize: Selma Durand

3rd Prize: Bjorn Van Keymeulen

Micro Architecture Category special mention:

Sevda Acikgöz, Marieke Brehm, Theresa Büschers, Deniz Degirmenci, Christina Frey, Elder Gorreja, Carsten Goy, Michele Haas, Gökce Kursun, Sandra Lavin Grande, Anna-Mira Lüssow, Andre Mönner, Damla Sariidris, Andre Sytschow, Selin Türk

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techtex^{til}

Techtextil is the leading international trade fair for technical textiles and nonwovens. Its unique concept brings together the complete value creation chain of all kinds of textile materials and related technologies for technical applications with the users of all industries already using technical textiles or thinking of it. This includes materials for e.g. textile architecture, construction, civil engineering, infrastructure. The Techtextil Brand shows six fairs worldwide in Europe, Asia and the USA.

techtex^{til}
Leading International Trade Fair for
Technical Textiles and Nonwovens

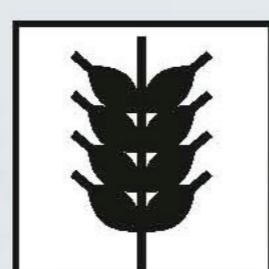
Your Centre of Innovation
4 – 7.5.2015
Frankfurt am Main, Germany
techtex^{til}.com

Agrotech	Buildtech	Clothtech	Geotech
Hometech	Indutech	Medtech	Mobiltech
Oekotech	Packtech	Protech	Sporttech

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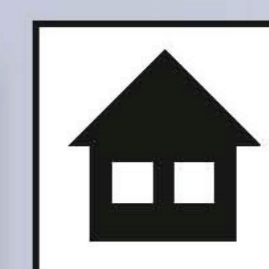
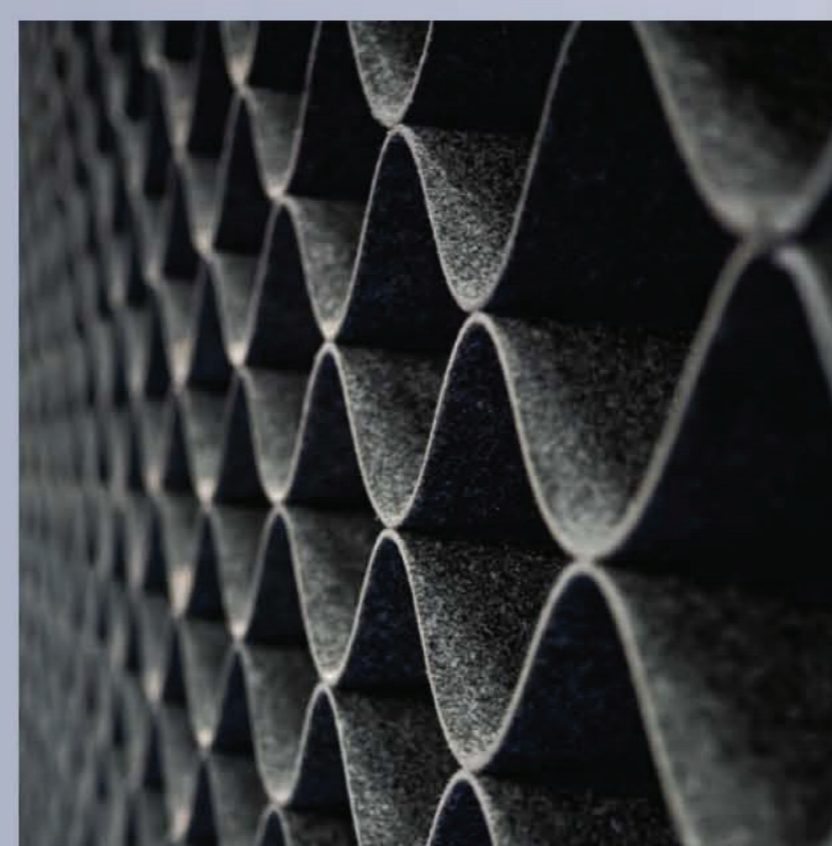
techtex

Techttextil 2015 sets a new record number of exhibitors to reinforce its position as the leading international trade fair in this highly innovative sector. The 1,389 exhibitors from 52 countries will meet with users representing all the different industries. Those are described by the following twelve application areas:



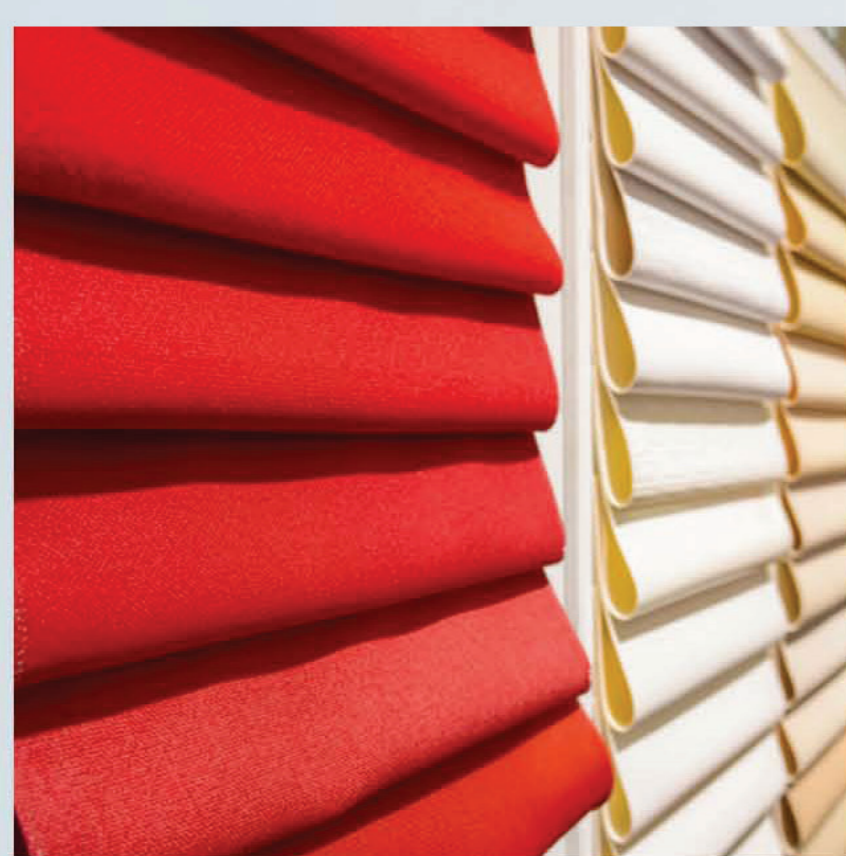
Agrotech

Garten- und
Landschaftsbau, Land- und
Forstwirtschaft, Tierhaltung*



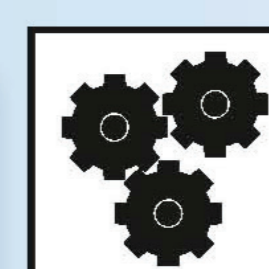
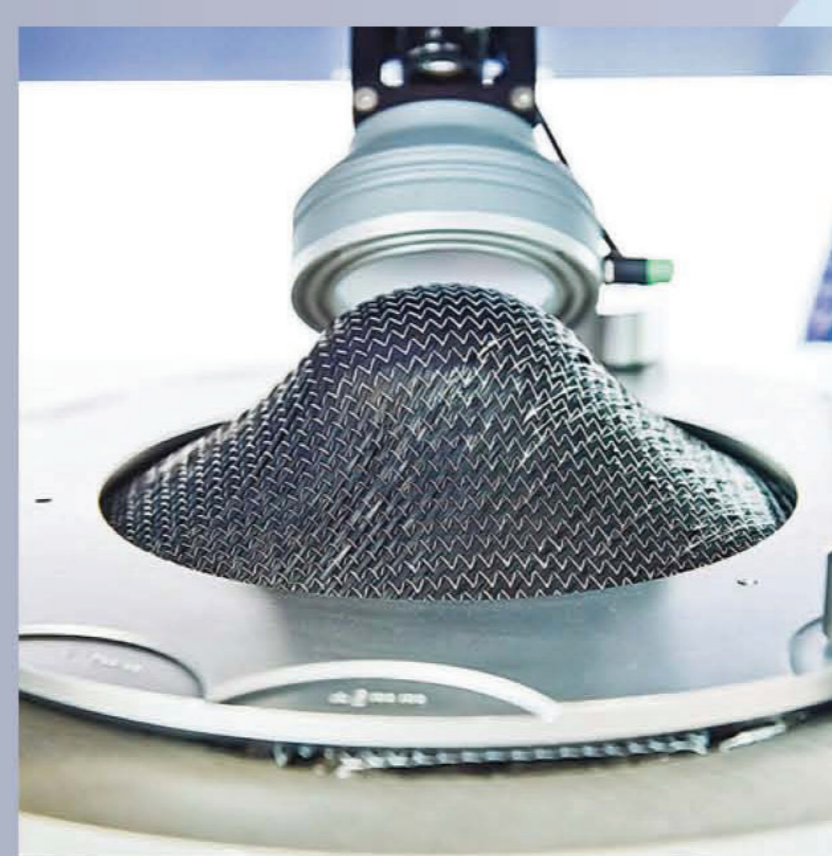
Buildtech

Membran-, Leicht- und
Massivbau, Ingenieur- und
Industriebau, Temporärbau,
Innenausbau, Erd-, Wasser-
und Verkehrswegebau,
Agrarbau*



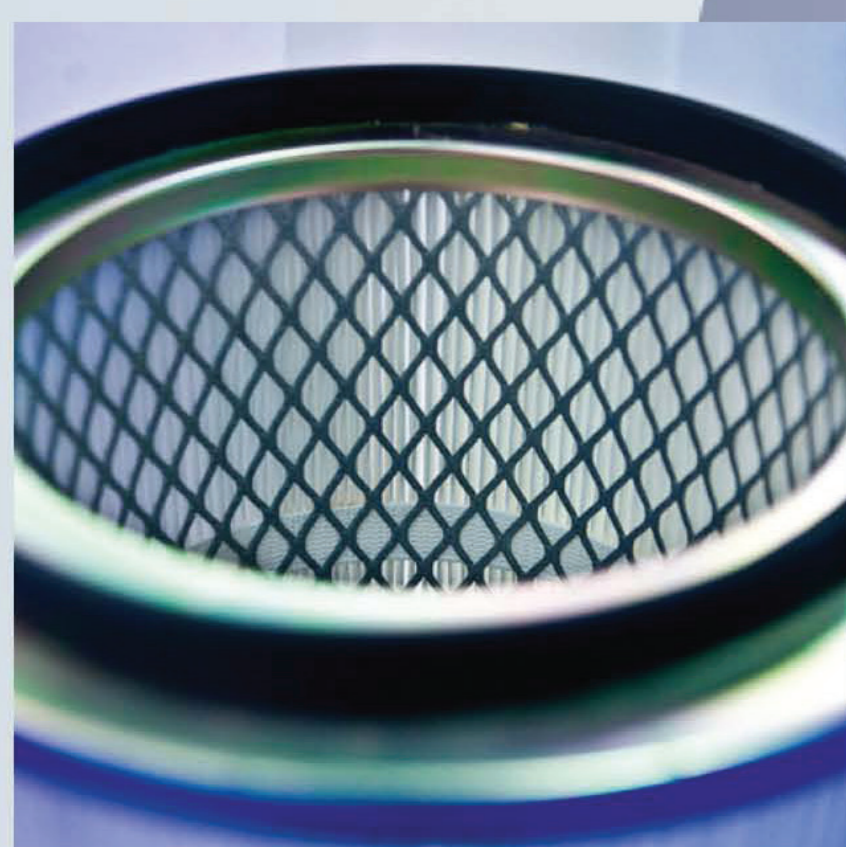
Hometech

Möbel, Polster-
und Raumausstattung,
Teppiche, Bodenbeläge*



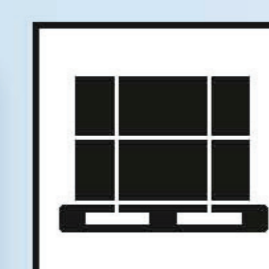
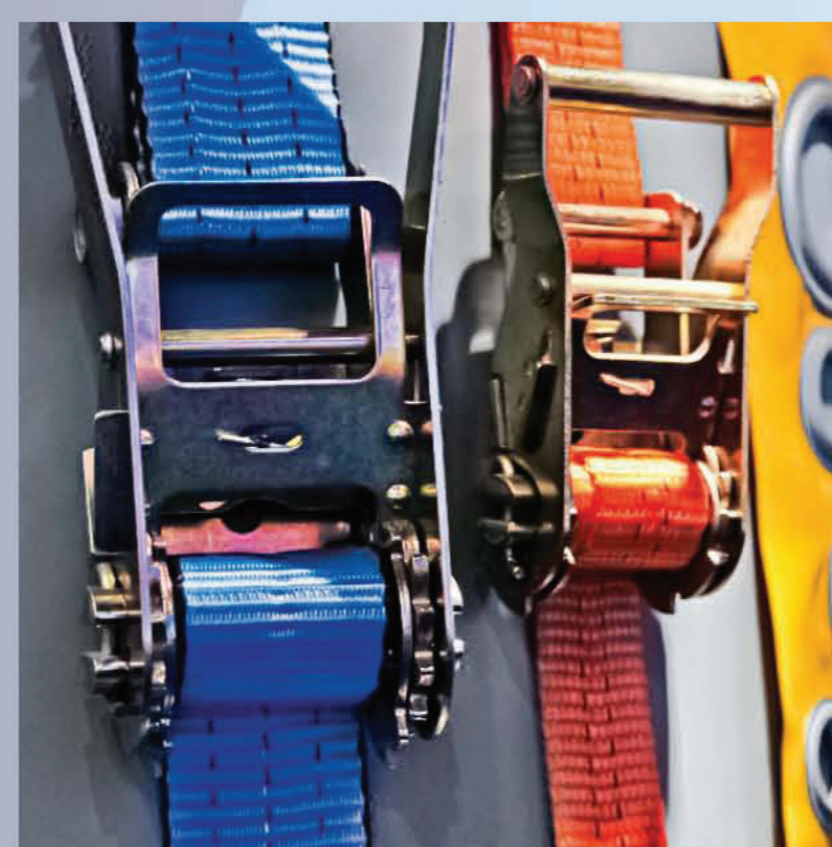
Indutech

Filtration, Reinigung,
Maschinenbau,
Chemische Industrie,
Elektroindustrie*



Oekotech

Umweltschutz,
Recycling, Entsorgung*



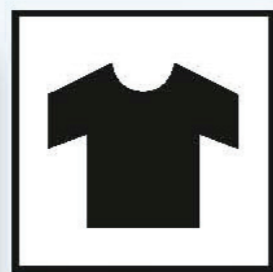
Packtech

Verpackungen,
Schutzhüllensysteme,
Säcke, Big Bags,
Behältersysteme*

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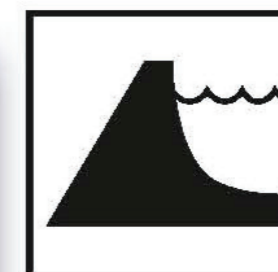
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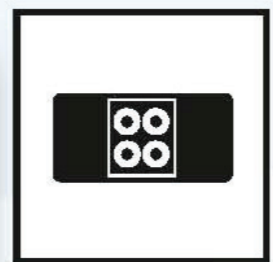
Clothtech

Funktionsbekleidung,
Bekleidung, Schuhe*



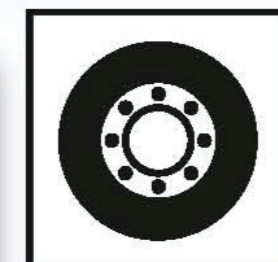
Geotech

Tiefbau, Straßenbau,
Dammbau, Deponiebau*



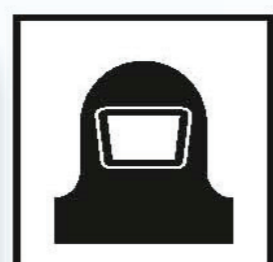
Medtech

Hygiene, Medizin*



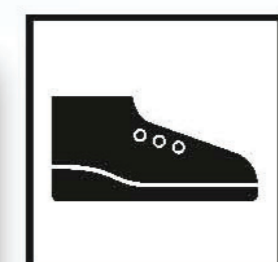
Mobiltech

Auto, Schiff, Flugzeug,
Bahn, Raumfahrt*



Protech

Personen- und Sachschutz*



Sporttech

Sport und Freizeit,
Activewear,
Outdoor, Sportgeräte
und -ausrüstungen,
Sportschuhe*

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techtex

Messe Frankfurt and Techtex started the student competition “Textile structures for new buildings” already in 1993 supported by Prof. Dr.-Ing. Dr.-Ing. E.h. Dr.h.c. Werner Sobek. The idea was and still is to encourage students and young professionals to think of and work with textiles when designing e.g. buildings, stadiums, airports, bridges. The student competition was sponsored in the past by the “Working Group for Textile Architecture” and since 2009 by TensiNet. Prof. Sobek still is the academic advisor of this competition. His institute ILEK designs the attractive special presentations of the results.



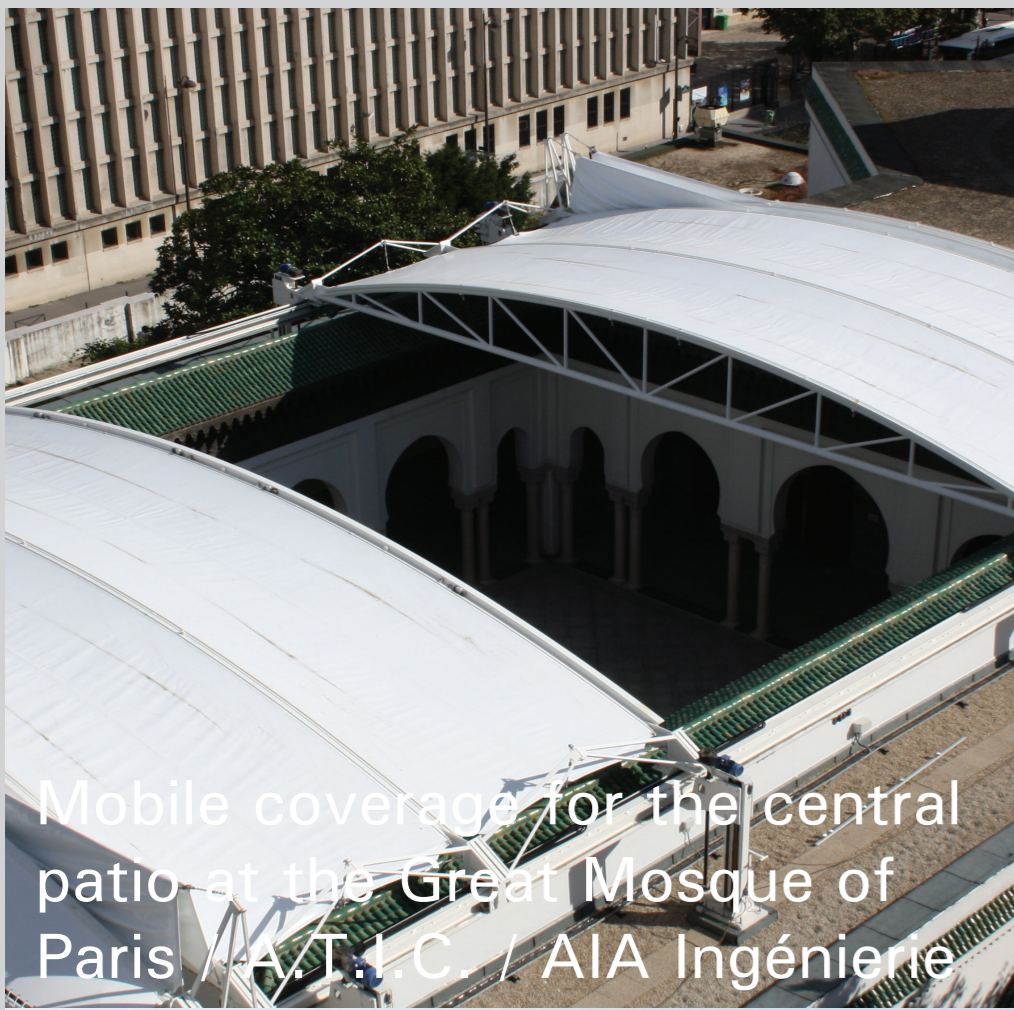
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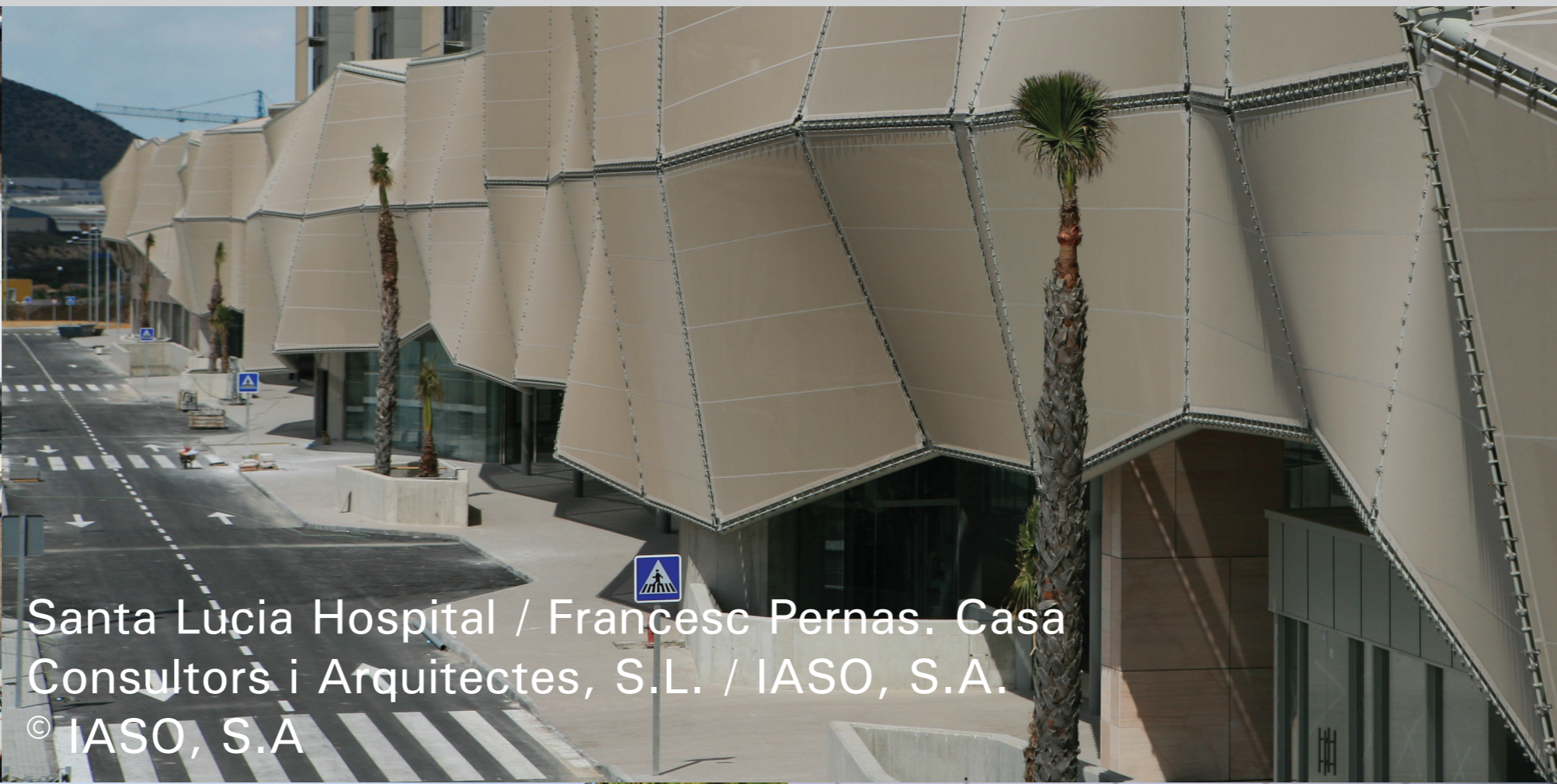


TensiNet is a multi-disciplinary association promoting the quality of tensioned surface structures.

TensiNet supports teaching and training activities in the field of tensioned membrane construction.



Mobile coverage for the central patio at the Great Mosque of Paris / A.T.C. / AIA Ingénierie



Santa Lúcia Hospital / Francesc Pernas. Casa Consultors i Arquitectes, S.L. / IASO, S.A. © IASO, S.A.



Serpentine Sackler Gallery / Zaha Hadid / ARUP © Luke Hayes



Chapel of Rest / J. Desablens / Ney & Partners © J. Desablens



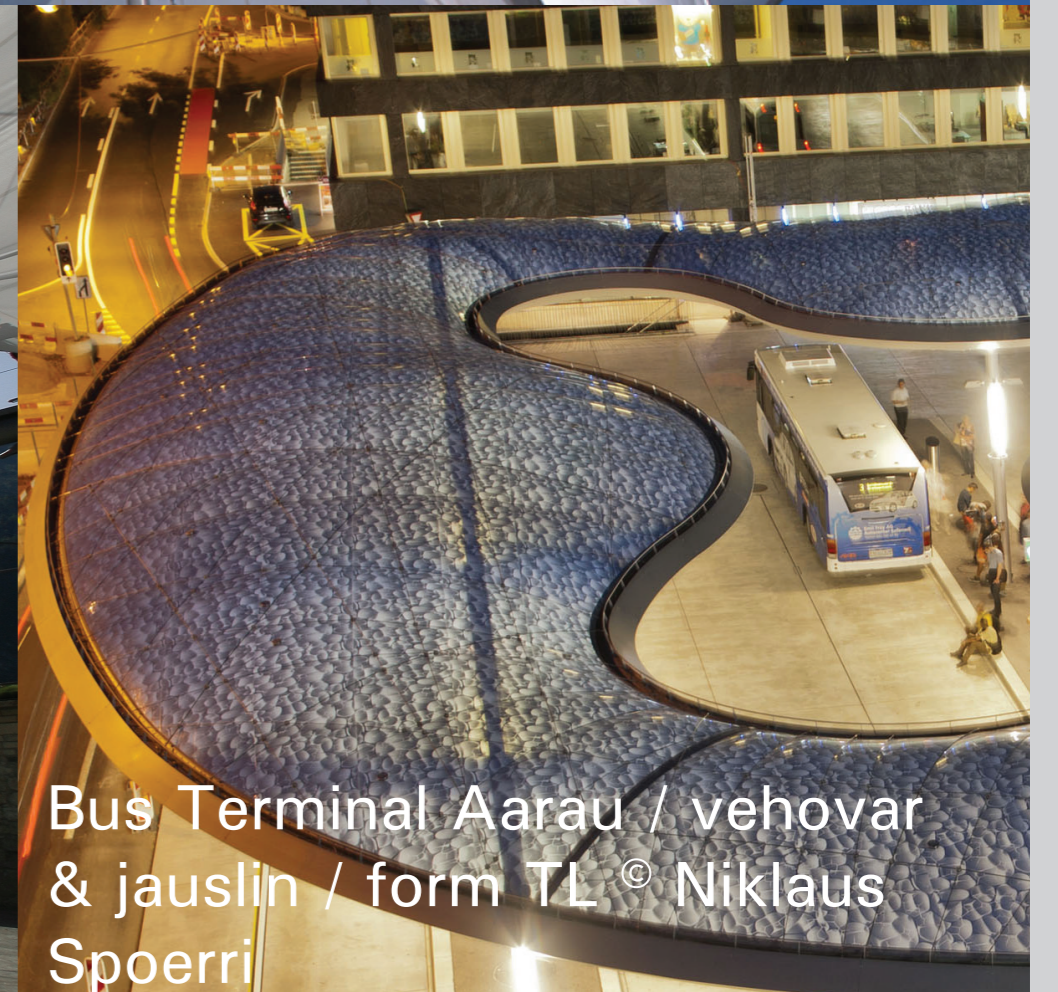
Julianus Shopping / Amandus VanQuaille / The Nomad Concept © Robert De Wilde



New Iguzzini Headquarters / Miàs Arquitectes / LANIK, S.A. / IASO, S.A. © IASO, S.A.



Retractable roof – Kufstein / Kugel + Rein Architects and Engineers / © Schmid Fotografie



Bus Terminal Aarau / vehovar & jauslin / form TL © Niklaus Spoerri

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ILEK

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TENSINET - COST ACTION TU1303 SYMPOSIUM 2016 - NOVEL STRUCTURAL SKINS, 26-28 OCTOBER 2016 at the Newcastle University

The Symposium will be organised by the Tensinet association, Cost Action TU 1303 Novel structural skins and Newcastle University as hosting university. It copes with following five main topics:



Julianus Shopping / Amandus VanQuaille / The Nomad Concept © Robert De Wilde

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Bus Terminal Aarau / vehovar & jauslin / form TL © Niklaus Spoerri

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- New applications of structural skins and new concepts
- Sustainability and Life Cycle Analysis of structural skins
- Building physics and energy performance of structural skins
- Materials and analysis
- From material to structure and limit states: codes and standardization



Retractable roof – Kufstein / Kugel + Rein Architects and Engineers / © Schmid Fotografie

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ILEK

Institute for Lightweight Structures and Conceptual Design

www.uni-stuttgart.de/ilek

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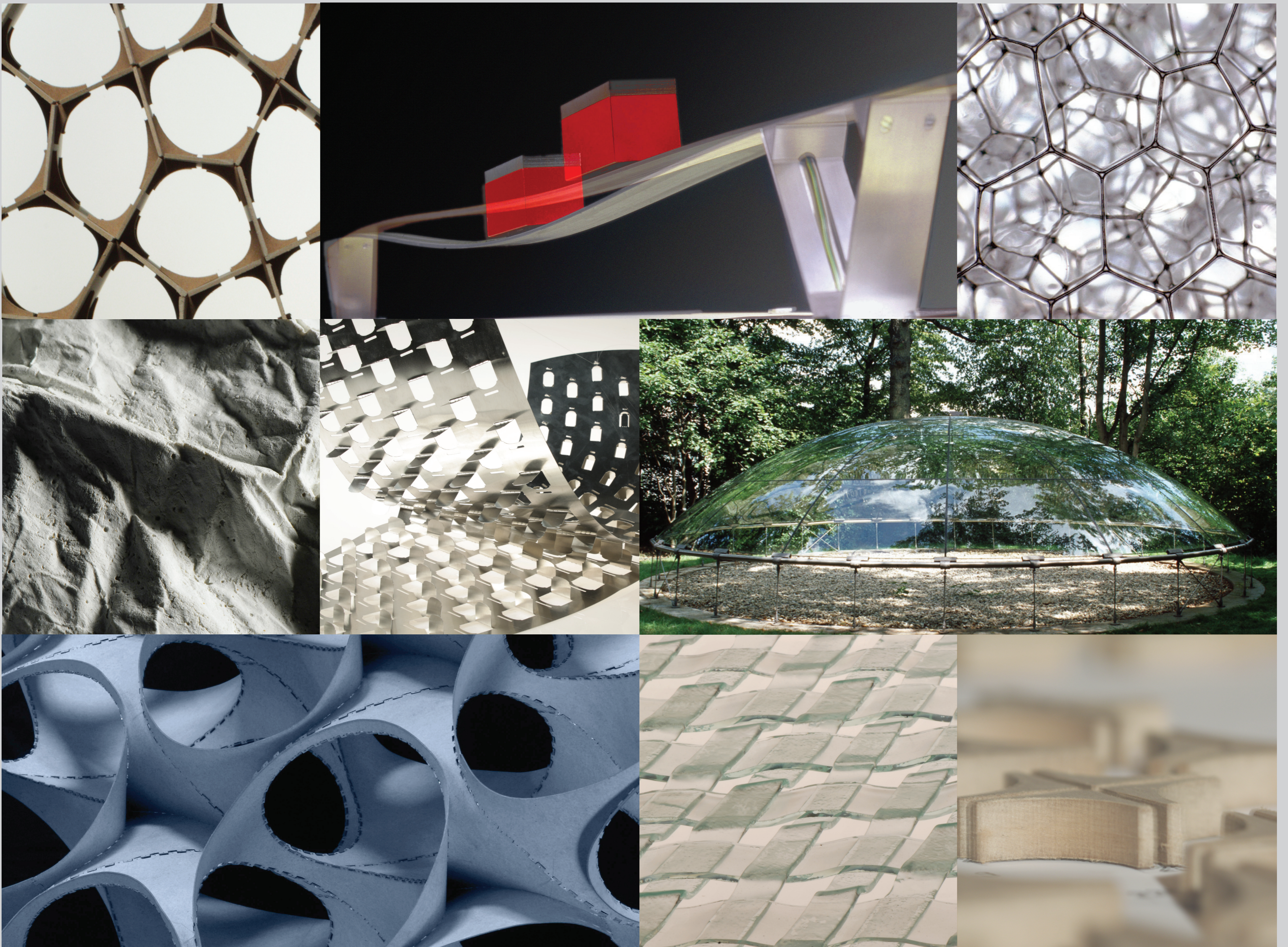
ILEK

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ILEK

In both its **research** and its **teaching** activities, the Institute for Lightweight Structures and Conceptual Design at the University of Stuttgart merges the **architectural** subject areas of design and form with the **engineering** fields of analysis, construction, and material science.



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messe frankfurt

techtex^{til}

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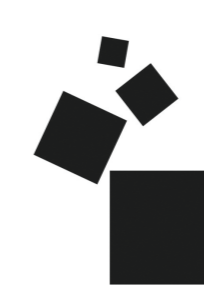
ILEK

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ILEK

Following a highly **interdisciplinary** approach, the institute focuses on the **conceptual and cross-material development** of all types of building technologies and structural systems. The scope of work spans from textile and glass construction, to new possibilities in steel and pre-stressed concrete design, to ultra-lightweight structures using adaptive systems.



messe frankfurt

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