



Textile Roofs 2025

The 27th International Workshop on the
Design and Practical Realisation of Architectural Membrane Structures

Program

Registration office is open between May 25th and May 27th from 8:15 to 15:00
All workshop activities take place at the AEDES – Architectural Forum – Christinenstr. 18-19, 10119 Berlin

Sunday, 25th May

09:00 Welcome

Prof. Dr.-Ing. Rosemarie Wagner, KIT, Karlsruhe, Germany
Dr.-Ing. Bernd Stary, akademus GmbH, Germany

09:25 Introduction of Venue and Participants

M.A. Dunya Bouchi, Aedes Metropolitan Laboratory, Germany

09:50 Textile Roofs: Building System or Architecture?

Prof. Josep I. Llorens
University of Catalonia, Spain

10:30 Coffee Break

CAN My 51 years with Membrane Structures

Matti Orpana
Tensotech Consulting, Finland

11:30 Tensile Structures and Energy Benefit?

Prof. Dr.-Ing. Rosemarie Wagner
Karlsruhe Institute of Technology (KIT), Germany

12:00 Computational Modeling of Lightweight Tensile Structures

Dipl.-Ing. Jürgen Holl
technet GmbH, Germany

12:30 Introduction to the “Practical Projects”

Stev Bringmann / Janek Jeschke
3dtext GmbH, Germany Stoffdach GmbH

12:50 Lunch Break

13:40 Various Workshops, amongst others:

- Joint Experimental Projects
- Easy Modelling / Hands-on
- Tensile Tests

17:00 Visit at Museum of Architectural Drawing (optional)

18:00 Special Guest Lecture: Textile Potentials – Of Soft Constructions and Active Materials

Prof. Christiane Sauer
Weißensee School of Art and Design, Germany

after Barbecue in the Aedes Garden

Monday, 26th May

09:00 Designing for the Future: Embracing Lightweight Materials in Versatile Architectural Solutions

Antonio Diaferia
Maffei Engineering SpA, Italy

09:30 Modern Solutions for Traditional Requirements; Antalya Fruit Wholesale Market

Bahadır Senol
snl tensi, Turkey

10:00 High Frequency Welding Solutions

Björn Bojara
FIAB HF, Poland

10:30 Coffee Break

11:00 Self-Cooling Textiles - Energy Free Method Using Radiative Cooling Technology

PD Dr.-Ing. Thomas Stegmaier
Deutsches Institute für Textil- und Faserforschung Denkendorf, Germany

11:30 Beyond the Surface: The Art and Science of Architectural Facade Mesh

Maxime Durka
Sioen, Belgium

12:00 Transparent and Translucent Roofs in Open Spaces

Bernd Stimpfle
Form TL, Germany

12:30 Lunch Break

13:15 Various Workshops, amongst others:

- Joint Experimental Projects
- Easy Modelling / Hands-on
- Tensile Tests

15:45 Departure from the Venue for Sightseeing

16:00 Tourboat Trip with the MS “Kaiser Friedrich”

19:15 Workshop Banquet at the Pfefferberg Schankhalle

Tuesday, 27th May

09:00 DWA Conform Static Dimensioning of Gas Storages

B.Sc. Oliver Lippert - Ryklin Engineering, Germany

09:30 Textile Netting Constructions: From Granulate to the Application

Achim Wichtler - Manfred Huck GmbH, Germany

10:00 Structures, Then and Now

Prof. Ruy Marcelo Pauletti - University of São Paulo, Brazil

10:30 Textile Challenges – Doing our Business in Rumbling Environments

Dipl.-Ing. Arch. Katja Bernert - MehlerHeytex, Germany

10:50 Give a Little Love to Your Structure

Aoife Brennan - Fabric Architecture, Leamington Spa, UK

11:10 Coffee Break

11:30 Lightweight Footprint: Membrane Design

DI Dr. techn. Robert Roithmayr - formfinder GmbH, Austria

12:00 Beyond Specialisation: The Expert’s Role in Advancing Lightweight Tensile Fabric Structures

Raju Mahadevan
Techno Specialist Consulting Engineers, UAE & India

12:30 Integration of Computational and CAD Software in Membrane Structure Projects

Lukasz Dłucik - abastran sp. z o.o., Poland

13:00 A Photogrammetry-Based Method for Surface Stress and Strain Measurement

Xuetao Zhao
Shanghai Jiao Tong University, P.R China & KIT, Germany

13:30 Lunch Break

14:50 Various Workshops, amongst others:

- Joint Experimental Projects
- Easy Modelling / Hands-on
- Final Discussions

16:30 Close