



Textile Roofs 2024

The 26th International Workshop on the
Design and Practical Realisation of Architectural Membrane Structures

Program

Registration office is open between April 28th and April 30th from 8:30 to 15:00
All workshop activities take place on Seminarship "Orca ten Broke" – Alt-Moabit 91, 10559 Berlin

Sunday, 28th April

09:00 Welcome

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

09:10 L 01: Introduction of Participants and the Venue

09:25 L 02: The Paradox of Heavy Lightweight Struct.

Prof. Josep I. Llorens
University of Catalonia, Spain

10:10 Coffee Break

10:30 L 03: Light Footprint (live broadcast)

Bruce Danziger
Danziger Engineering Collaborative, Inc., United States of America

10:55 L 04: Efficient Computer Models for Use in Textile Architecture

Dipl.-Ing. Jürgen Holl
technet GmbH, Germany

11:20 L 05: Biaxial Testing Interaction of Normal and Shear Stresses

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

11:55 L 06: Introduction to the "Practical Projects"

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

12:20 Lunch Break

13:00 Various Workshops, amongst others:

- Joint Experimental Projects
- Easy Modelling / Hands-on

17:00 VIII Simposio Latinoamericano de Tensoestructuras (introduced by WAGG Arquitectura Textil, Argentine)

17:15 Special Guest Lecture: Frei Otto - The cradle of the modern tent construction

Dipl.-Ing. Martin Kunz
saai – Archive für Architektur und Ingenieurbau, KIT, Germany

after that
Barbecue onboard of the Venue

Monday, 29th April

09:00 L 07: Formfinding & Environmental Aspects

DI Dr. techn. Robert Roithmayr
formfinder GmbH, Austria

09:25 L 08: ETFE-constructions – Workflow and Iconic Projects

Stephan Brückner
konstruct AG, Germany

09:50 L 09: The First ETFE Foil Structure in Japan

Iizuka, Yoshinaka
Kyoritsu Industries Co., Ltd., Japan

10:15 L 10: Steel Wire Ropes and End Fittings Equipments Usage Principles in LW Structures

Bahadır Senol
snl tensi, Turkey

10:40 Coffee Break

11:00 L 11: Characteristic Identity for Iconic Projects

Martin Glass
gmp architekten, Germany

11:25 L 12: Development in Tensile Architecture. What's next?

Bernd Stimpfle
Form TL, Germany

11:50 L 13: New Trend 'Glamping Tents' – How to Detail them?

Dr. Meltem Sahin
Asma-Germe, Turkey

12:15 L 14: Computational Thinking in Membrane Architecture

Jessica Stürmer
se cover GmbH, Rosenheim, Germany

12:40 Lunch Break

13:20 Various Workshops, amongst others:

- Joint Experimental Projects
- Easy Modelling / Hands-on

16:30 Departure of the Venue for Sightseeing

19:45 Workshop Banquet at Paulaner's

Tuesday, 30th April

09:00 L 15: Wind and Operation of Textile Biogas Storages

Sergej Ryklin & Oliver Lippert / Kai Heinlein
Ryklin Engineering / Karlsruhe Institute of Technology, Germany

09:25 L 16: AMA Awards – Celebrating Innovation

Aoife Brennan
Fabric Architecture, Leamington Spa, UK

09:50 L 17: Cable Mesh as Structural Substitute for Lightweight Footbridges

Fabian Graber
Jacob Rope Systems, Swiss

10:15 L 18: Patterns for Parasols – Technical Textile between Tension and Decoration

Dipl.-Ing. Arch. Katja Bernert
Mehler Technologies GmbH, Germany

10:40 Coffee Break

11:00 L 19: Self-Cooling Textiles – Energy Free Method Using Radiative Cooling Technology

Lea Zimmermann
DITF Denkendorf, Germany

11:25 L 20: Double Curved ETFE Foil Structure in the Mountains - Cable Car Stations Olang 1+2

Prof. Dipl.-Ing. Architect Cornelius Schlotthauer
studio schlotthauer matthiessen – architecture made, Germany

11:50 L 21: Flying Whales LCA60T Airship Envelope Development

Rogier Houtman
Tentch bv, Netherlands

12:15 L 22: Brief History of ETFE Design and Technology in Architecture

Torsten Balster
vector foiltec GmbH, Bremen, Country

12:40 Lunch Break

13:20 Various Workshops, amongst others:

- Presentation of the Student's Workshop Results
- Joint Experimental Projects • Easy Modelling / Hands-on

17:00 Close