



Textile Roofs 2022

The 25th International Workshop on the Design and Practical Realisation of Architectural Membrane Structures

Programme

Registration office is open on Sunday, May 8th between 14:00 and 16:00
and on all workshop days from 08:15

All workshop activities take place in the “Archenhold Observatory”, Alt-Treptow 1, 12435 Berlin

Monday, 9th May

09:00 Welcome

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

09:25 Video Message: The Energy of the Early Days – How Textile Roofs begun

Dipl.-Ing. (Arch.) Horst Dürr
IF Ingenieurgemeinschaft Flächentragwerke, Germany

09:50 The “Olympic Roofs” in Munich 1972 – How it was done in time

Prof. Dr.-Ing. Jos Tomlow, retired
Hochschule Zittau/Görlitz, Germany

10:30 Coffee Break

11:10 Switched Live: Visual comfort of textile roofs against the background of changes to DIN EN 14500/14501

Dipl.-Ing. Christoph Riethmüller
Deutsches Institut für Textil- und Faserforschung Denkendorf, Ger.

11:35 Computational Modelling

Dipl.-Ing. Jürgen Holl
technet GmbH, Germany

12:00 Formfinding

DI Dr. techn. Robert Roithmayr
formfinder GmbH, Austria

12:25 Introduction to the “Participant Project”

Janek Jeschke
Stoffdach GmbH, Germany

12:50 Lunch Break

13:30 Various Workshops, amongst others:

- Joint Participant Project
- Easy Modelling / Hands-on

17:00 Special Guest Lecture

L’Arc de Triomphe, Wrapped

Dipl.-Ing. Jörg Tritthardt
büro für leichtbau, Tritthardt + Richter, Germany

after that **Barbecue in the Observatory’s Garden**

Tuesday, 10th May

09:00 Concepts of Insulated and Adaptive Membranes

Dipl.-Ing. Stev Bringmann
3dtext GmbH, Germany

09:25 Switched Live: Wind Engineering

B. Eng. Jan Lay
Wacker Ingenieure GmbH, Germany

09:50 Simple Numerical Methods for Tensile Structures

Ass. Prof. Dr. Ruy Pauletti
University of São Paulo, Brasil

10:15 Flexible Photovoltaic - Bendable PV modules for (textile) constructions

Dipl.-Ing. Lutz Tippmann
Heliatek GmbH, Dresden, Germany

10:40 Coffee Break

11:10 Lunar Dome- Tent for the Apollo 11 Roadshow

Dipl.-Ing. Bernd Stimpfle
formTL, Radolfzell, Germany

11:35 Energy: Flexible Lightweight Photovoltaic

Yaniv Shemesh
Keshatot Garden & Shade / Lumiweave, Israel

12:00 Plastic Fantastic: Textile Wraps of upcycled PET Bottles

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

12:25 Lighting Design

Dr.-Ing. Richard Müller
ETTLIN Spinnerei und Weberei Prod. GmbH & Co. KG, Germany

12:50 Lunch Break

13:30 Various Workshops, amongst others:

- Joint Participant Project
- Easy Modelling / Hands-on

16:15 Departure of the Tourboat

19:15 Workshop Banquet

Wednesday, 11th May

09:00 Textile Biogas Storage Systems – Thermal Structural Behavior

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

09:25 Rynek Lazarski – Just the biggest one chamber ETFE foil cushion roof on world?

Chances and Risks

Dirk P. Emmer
Temme Obermeier GmbH, Germany

09:50 Un_Minimal Surfaces / Unbalanced Tensions to Maximize Architectural Expression!

Eng. Nelson Fiedler
Fiedler Engenharia Ltda, Brasil

10:15 Concepts for Multimembrane Gasholders

Ing. Lorenzo Spedini
ECOMEMBRANE s.r.l., Italy

10:40 Coffee Break

11:10 Acoustic Performance of Textile Roofs

Prof. Josep I. Llorens
University of Catalonia, Spain

11:35 Pneumatic Beams for Structural Applications

Ass. Prof. PhD Jean-Christophe Thomas
Université de Nantes, France

12:00 Designing tensioned fabric skins for stadiums A case study of Batumi Stadium

Eng. Fevzi Dansik
Asma Germe Membran Sistemler, Turkey

12:25 Pneumatic Structures: Safeguarding against failure

Dr. Carl Maywald
Vector Foiltec GmbH, Germany

12:50 Lunch Break

13:30 Various Workshops, amongst others:

- Presentation of the Student’s Workshop Results
- Joint Participant Project
- Easy Modelling / Hands-on

16:30 Close