



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 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 <i>Prof. Dr.-Ing. Rosemarie Wagner</i> , KIT, Karlsruhe, Germany <i>Dr.-Ing. Bernd Stary</i> , academus GmbH, Germany
09:20	The Energy of the Early Days – How Textile Roofs begun <i>Dipl.-Ing. (Arch.) Horst Dürr / Robert Roithmayr</i> IF-Ingenieurgemeinschaft Flächentragwerke, Germany
10:00	The "Olympic Roofs" in Munich 1972 – How it was done in time <i>Prof. Dr.-Ing. Jos Tomlow, retired</i> Hochschule Zittau/Görlitz, Germany
10:40	Coffee Break
11:10	Switched Live: Visual comfort of textile roofs against the background of changes to DIN EN 14500/14501 <i>Dipl.-Ing. Christoph Riehmüller</i> Deutsches Institut für Textil- und Faserforschung Denkendorf, Ger.
11:35	Computational Modelling <i>Dipl.-Ing. Jürgen Hall</i> technet GmbH, Germany
12:00	Formfinding <i>DI Dr. techn. Robert Roithmayr</i> formfinder GmbH, Austria
12:25	Introduction to the "Participant Project" <i>Janeke Jeschke</i> Stoßdach GmbH, Germany
12:50	Lunch Break
13:30	Various Workshops, amongst others: <ul style="list-style-type: none">• Joint Participant Project• Easy Modelling / Hands-on
17:00	Special Guest Lecture L'Arc de Triomphe, Wrapped <i>Dipl.-Ing. Jörg Tritthardt</i> 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 <i>Dipl.-Ing. Stev Bringmann</i> 3dtext GmbH, Germany
09:25	Switched Live: Wind Engineering <i>B. Eng. Jan Lay</i> Wacker Ingenieure GmbH, Germany
09:50	Simple Numerical Methods for Tensile Structures <i>Ass. Prof. Dr. Ruy Pauletti</i> University of São Paulo, Brasil
10:15	Flexible Photovoltaic - Bendable PV modules for (textile) constructions <i>Dipl.-Ing. Lutz Tippmann</i> Heliatek GmbH, Dresden, Germany
10:40	Coffee Break
11:10	Lunar Dome- Tent for the Apollo 11 Roadshow <i>Dipl.-Ing. Bernd Stimpfle</i> formT, Radolfzell, Germany
11:35	Energy: Flexible Lightweight Photovoltaic <i>Yaniv Shemesh</i> Keshatot Garden & Shade / Lumiweave, Israel
12:00	Plastic Fantastic: Textile Wraps of upcycled PET Bottles <i>Dipl.-Ing. Arch. Katja Bernert</i> Mehler Technologies GmbH, Germany
12:25	Lighting Design <i>Dr.-Ing. Richard Müller</i> ETTLIN Spinnerei und Weberei Prod. GmbH & Co. KG, Germany
12:50	Lunch Break
13:30	Various Workshops, amongst others: <ul style="list-style-type: none">• 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 <i>Prof. Dr.-Ing. Rosemarie Wagner</i> Karlsruhe Institute of Technology (KIT), Germany
09:25	Rynek Lazarski – Just the biggest one chamber ETFE foil cushion roof on world? Chances and Risks <i>Dirk P. Emmer</i> Temme Obermeier GmbH, Germany
09:50	Un_Minimal Surfaces / Unbalanced Tensions to Maximize Architectural Expression! <i>Eng. Nelson Fiedler</i> Fiedler Engenharia Ltda, Brasil
10:15	Concepts for Multimembrane Gasholders <i>Ing. Lorenzo Spedini</i> ECOMEMBRANE s.r.l., Italy
10:40	Coffee Break
11:10	Acoustic Performance of Textile Roofs <i>Prof. Josep I. Llorens</i> University of Catalonia, Spain
11:35	Pneumatic Beams for Structural Applications <i>Ass. Prof. PhD Jean-Christophe Thomas</i> Université de Nantes, France
12:00	Designing tensioned fabric skins for stadiums A case study of Batumi Stadium <i>Eng. Fevzi Dansik</i> Asma Germe Membran Sistemler, Turkey
12:25	Pneumatic Structures: Safeguarding against failure <i>Dr. Carl Maywald</i> Vector Foiltec GmbH, Germany
12:50	Lunch Break
13:30	Various Workshops, amongst others: <ul style="list-style-type: none">• Presentation of the Student's Workshop Results• Joint Participant Project• Easy Modelling / Hands-on
16:30	Close