



# Textile Roofs 2016

The 21<sup>st</sup> International Workshop on the Design and Practical Realisation of Architectural Membrane Structures

# Preliminary Programme

Registration office will open on May 2<sup>th</sup> at 08:15 pm at the observatory's entry hall  
All workshop activities take place in the "Archenhold Observatory"  
Alt-Treptow 1, 12435 Berlin

## Monday, 2<sup>nd</sup> May

### 09:00 Welcome

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

### 09:20 The Lightweight Design Approach

*Dipl.-Ing. Jürgen Hennicke*,  
ILEK Stuttgart, Germany & TU Vienna, Austria

### 09:55 Pathology

*Prof. Josep I. Llorens*  
University of Catalonia, Spain

### 10:30 Coffee Break

### 11:00 Innovative Material for Tensile Roofs and Acoustic

*Mr. Farid Sahnoune*  
Serge Ferrari S.A.S. France

### 11:30 Computational Modelling of Lightweight Structures

*Dipl.-Ing. Jürgen Holl / Dr.-Ing. Dieter Ströbel*  
technet GmbH, Germany

### 12:00 Introduction to Workshop Afternoon

*Dipl.-Ing. Stev Bringmann*  
3dtex GmbH, Germany

### 12:15 Lunch Break

### 13:15 Parallel strand:

- **Joint Participant Project**  
*Stev Bringmann, 3dtex, Germany*  
*Dipl.-Ing. Jürgen Hennicke, ILEK Stuttgart & TU Vienna*
- **Easy Modelling / Hands-on**  
*Dipl.-Ing. Ulrike Gründig-Tsoukalas, technet GmbH*
- **Participant Presentations**

### 17:30 Special Guest Lecture

**Light Architecture – Oevre of SL Rasch**

**Mustafa Rasch, SL Rasch GmbH**

Special and Lightweight Structures, Germany

**follow-up Barbecue in the Observatory's Garden**

## Tuesday, 3<sup>rd</sup> May

### 09:00 Wind Loads on Fabric Roofs and Corresponding Dynamic Response

*Dipl.-Ing. Martin Zschke*  
Wacker Ingenieure, Germany

### 09:35 Ettlin Woven Fabric, Testing and Behaviour

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

### 10:10 Design Guide for Fabric Structures ASCE / SEI Publication

*M.Arch. Maqsood Ahmed*  
Specialty Structures USA, Amherst – New York

### 10:45 Coffee Break

### 11:20 Details in Membrane Architecture

*Dipl.-Ing. Horst Dürr*  
IF-Ingenieure für Flächentragwerke GmbH Reichenau, Germany

### 11:55 New Structures

*Dr.-Ing. Gregor Grunwald*  
Pfeifer Seil- und Hebeteknik GmbH, Memmingen, Germany

### 12:30 Lunch Break

### 13:30 Parallel strands:

- **Joint Participant Project**  
*Stev Bringmann, 3dtex, Berlin*  
*Dipl.-Ing. Jürgen Hennicke, ILEK Stuttgart & TU Vienna*
- **Easy Modelling / Hands-on**  
*Dr.-Ing. Dieter Ströbel / Dipl.-Ing. Jürgen Holl,*  
*Dipl.-Ing. Ulrike Gründig-Tsoukalas, technet GmbH*
- **Participant Presentations**

### 16:00 Leave for Berlin Sightseeing by tourboat

### 19:30 Workshop Banquet next to tourboat landing side at

Restaurantschiff van Loon, Carl-Herz-Ufer 5, 10961 Berlin

## Wednesday, 4<sup>th</sup> May

### 09:00 Imagine Tomorrow – Replacement and Renovation of Textile Structures

*Dipl.-Ing. Alexander Rütter / Dipl.-Ing. Michael Hofmann*  
CENO Membrane Technology GmbH, Germany

### 09:35 Textile Market in Portugal From a more Practical Point of View

*Dipl.-Ing. Antonio Galhardo*  
apg coberturas, Portugal

### 10:10 Report on Current gmp Projects

*Dipl.-Ing. Martin Glass*  
gmp Architekten, Germany

### 10:45 Coffee Break

### 11:20 EURO 2016: How Tensile Solutions Contribute to State of the Art Stadium

*Benoit Legall*  
Montoir-de-Bretagne, France

### 11:50 Inspiring Projects with Light & Air

*Dr.-Ing. L. Meeß-Olsohn*  
leichtbaukunst, Germany

### 12:25 Architectural Design of Lightweight Membrane Structures

*DI Dr. techn. Robert Roithmayr*  
formfinder GmbH, Tensile Evolution GmbH, Austria

### 13:00 Lunch Break

### 13:45 Parallel strands:

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- **Easy Modelling / Hands-on**  
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*Dipl.-Ing. Ulrike Gründig-Tsoukalas, technet GmbH*
- **Participant Presentations**

### 16:30 Close