



# Textile Roofs 2015

The 20<sup>th</sup> International Workshop on the Design and Practical Realisation of Architectural Membrane Structures

# Programme

Registration office will open on May 11<sup>th</sup> at 08:15 pm at the museums entry hall  
All workshop activities take place in the "Museum of Technology"  
Trebbiner Str. 9, 10963 Berlin; next to U-Bahn Gleisdreieck

## Monday, 11<sup>th</sup> May

- 09:00 Welcome**  
*Dr.-Ing. Bernd Stary*, AcaMem, Berlin, Germany  
*Prof. Dr.-Ing. Rosemarie Wagner*, KIT, Karlsruhe, Germany  
*Prof. Joseph Hoppe*, Museum of Technology, Berlin, Germany
- 09:20 20 Years of Textile Roofs. A summary**  
*Prof. Josep I. Llorens*  
University of Catalonia  
Barcelona, Spain
- 09:55 Finding the Form**  
*Dipl.-Ing. Jürgen Hennicke*  
ILEK - University Stuttgart, Stuttgart, Germany &  
The Vienna University of Technology, Vienna, Austria
- 11:15 Coffee Break**
- 11:40 Computational Modeling of Lightweight Structures**  
*Dr.-Ing. Dieter Ströbel / Dipl.-Ing. Jürgen Holl*  
technet GmbH  
Stuttgart, Germany
- 12:15-13:15 Lunch Break**
- 13:15-14:30 Formfinder Workshop The Design of Tensile Architecture**  
*DI Dr. techn. Robert Roithmayr*  
Formfinder Software GmbH, Vienna, Austria
- Easy Intro**  
*Dipl.-Ing. Ulrike Gründig-Tsoukalas, Dipl.-Ing. Jürgen Holl*  
technet GmbH, Stuttgart, Germany
- 14:30 Demonstration Area with guided experiments**
- 1 mm material – test it! *Temme Obermeier GmbH*
  - fabric connections - make a seam and test it *3dtexGmbH*
  - Upside Down *Pfeifer Seil- und Hebeteknik GmbH*
  - Acoustic absorption – Go into it! *Serge Ferrari S.A.*
- 17:30-19:00 Special Guest Lecture**
- EXPO Milano and its Membrane Structures**  
*Dipl.-Ing. (FH) Frank Höreth*  
Taiyo Europe GmbH  
Sauerlach, Germany
- subsequent Barbecue** at the terrace of the museum

## Tuesday, 12<sup>th</sup> May

- 09:00 Multifunctionality of Membrane Material**  
*Dr.-Ing. Thomas Stegmaier*  
ITV Denckendorf  
Denckendorf, Germany
- 09:35 Retractable Shade Canopy**  
*Thomas Hermeking*  
Pfeifer Seil- und Hebeteknik GmbH  
Memmingen, Germany
- 10:10 Flat Tensioned Building Skins & more**  
*Dirk P. Emmer*  
Temme/Obermeier GmbH  
Raubling, Germany
- 10:45 Coffee Break**
- 11:20 Recent Developments in Composites**  
*Dr.-Ing. Farid Sahnoune*  
Serge Ferrari S.A.S.  
La Tour-du-Pin, France
- 11:55 Variety of Membran Structures. Report on Current gmp Projects**  
*Dipl.-Ing. Martin Glass*  
gmp Architekten  
Berlin, Germany
- 12:30-13:30 Lunch Break**
- 13:30 Parallel strands (same topic):**
- **Physical Modelling Workshop**  
*Dipl.-Ing. Jürgen Hennicke, ILEK Stuttgart & TU Vienna*  
*Stev Bringmann, 3dtex, Berlin*
  - **Easy Modelling / Hands-on**  
*Dr.-Ing. Dieter Ströbel / Dipl.-Ing. Jürgen Holl,*  
*Dipl.-Ing. Ulrike Gründig-Tsoukalas, technet GmbH*
- and**
- **Hands-on Formfinder Workshop**  
*DI Dr. techn. R. Roithmayr, Formfinder Software GmbH*
  - **RStab 3D Modelling / Hands-on**  
*M. Eng. Andreas Niemeier, Ing.-Software Dlubal GmbH*
- 16:00 Leave for Berlin Sightseeing by tourboat**
- 19:30 Workshop Banquet next to tourboat landing side**

## Wednesday, 13<sup>th</sup> May

- 09:00 Gyor Sport Arena/ Hungaria**  
*Ms. Ildikó Györ*  
*Graboplan Kft.*  
*Györ, Hungaria*
- 09:35 Forflexx, makes it possible to join flexible coated PVC- and PU fabrics with metal attachments using HF-Welding**  
*Mikael Wallin*  
Forsstrom High Frequency AB  
Lysekil, Sweden
- 10:10 The Future in Membrane Design - Modular Systems**  
*Frank Molter*  
Hightex Group GmbH  
Bernau am Chiemsee, Germany
- 10:45 Coffee Break**
- 11:20 Sustainability of Buildings with Membrane Facades**  
*Thomas Reber*  
*HP Gasser*  
Lungern, Swiss
- 11:55 Mechanical Testing of Membranes**  
*Dipl.-Ing. Kai Heinlein*  
Karlsruhe Institute of Technology (KIT)  
Karlsruhe, Germany
- 12:30-13:30 Lunch Break**
- 13:30 Results of the Student's Working Week:**  
*Prof. Dr.-Ing. Rosemarie Wagner*  
Karlsruhe Institute of Technology (KIT)  
Karlsruhe, Germany
- Parallel strands (same topic):**
- **Physical Modelling Workshop**  
*Dipl.-Ing. Jürgen Hennicke, ILEK Stuttgart & TU Vienna*  
*Stev Bringmann, 3dtex, Berlin*
  - **Easy Modelling / Hands-on**  
*Dr.-Ing. Dieter Ströbel / Dipl.-Ing. Jürgen Holl,*  
*Dipl.-Ing. Ulrike Gründig-Tsoukalas, technet GmbH*
- and**
- **Hands-on Formfinder Workshop**  
*DI Dr. techn. R. Roithmayr, Formfinder Software GmbH*
- 16:30 Close**