



Textile Roofs 2015

The 20th International Workshop on the Design and Practical Realisation of Architectural Membrane Structures

Programme

Registration office will open on May 11th 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, 11th 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 Hebetchnik 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, 12th 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 Hebetchnik 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, 13th 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**