



Textile Roofs 2013

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

Programme

Registration office will open on June 16th in the afternoon (at the Ice-Breaker Party) or on June 17th at 8:00 a.m. next to the conference hall.

All lectures are held in the former IHK Building; Hardenbergsstraße 14
The afternoon sessions are held at the Geodätenstand in the University of Technology Berlin

Monday, 17th June

09:00 **Welcome** (Room HBS 005)
Dr.-Ing. Bernd Stary
Prof. Dr.-Ing. Frank Neitzel
University of Technology Berlin, Germany

09:15 **On Shapes, Forms and Structures**
Dipl.-Ing. Jürgen Hennicke
ILEK - University Stuttgart, Stuttgart, Germany &
The Vienna University of Technology, Vienna, Austria

Computational Modelling of Lightweight Structures
Dr.-Ing. Dieter Ströbel / Dipl.-Ing. Jürgen Holl
technet GmbH
Stuttgart, Germany

Design: Membrane and Architecture
DI Dr. techn. Robert Wehdorn-Roithmayr
Formfinder Software GmbH
Vienna, Austria

Digital Tools in Architectural Education
Prof. Dr.-Ing. Manfred Feyerabend
University of Applied Sciences Koblenz - RheinMosel Campus
Koblenz, Germany

12:30-14:00 **Lunch break**

14:00-17:00 **Afternoon Session 1** (Geodätenstand, 6th floor)

Parallel strands:

- **Physical Modelling Workshop**
- **Easy Modelling / Hands-on**
Dipl.-Ing. Ulrike Gründig-Tsoukalas, technet GmbH
- **Hands-on Formfinder Workshop**
DI Dr. techn. R. Wehdorn-Roithmayr, Wehdorn Architekten
- **RStab 3D Modelling / Hands-on**
M. Eng. Walter Rustler, Ingenieur-Software Dlubal GmbH

19:30 **Special Guest Lecture** (Room HBS 005)
gmp architects – current membrane projects
Dipl.-Ing. Architektin Lena Brögger
Dipl. Ing. Architekt Martin Glass
gmp Architekten von Gerkan, Marg und Partner
Berlin, Germany

Tuesday, 18th June

09:00 **From Tent to Textile Architecture** (Room HBS 005)
Dipl.-Ing. Jochen Groth
Losberger GmbH
Bad Rappenau, Germany

Textile Architektur. A Working Report.
Dipl.-Ing. arch. Michael Kiefer
Kiefer. Textile Architektur
Radolfzell, Germany

Recent Brazilian Projects: Maracana Stadium and Others
Mr. Nelson Fiedler
SEPA
São Paulo, Brasil

New Development in Facade and Acoustics
Mr. Farid Sahnoune
S. Ferrari S.A.
La Tour-du-Pin, France

Structural design and membrane analyses of ETFE-film-cushions
Prof. Dr.-Ing. Karsten Moritz
seele cover GmbH
Obing, Germany

12:30-14:00 **Lunch Break**

14:00-16:15 **Afternoon Session 2** (Geodätenstand, 6th floor)

Parallel strands:

- **Physical Modelling Workshop**
- **Easy Modelling / Hands-on**
Dipl.-Ing. Ulrike Gründig-Tsoukalas, technet GmbH
- **Hands-on Formfinder Workshop**
DI Dr. techn. R. Wehdorn-Roithmayr, Wehdorn Architekten
- **RStab 3D Modelling / Hands-on**
M. Eng. Walter Rustler, Ingenieur-Software Dlubal GmbH

16:15 **Excursion to the construction side of the Berlin Brandenburg Airport BER and the Gasometer in Berlin-Schöneberg**

19:35 **Workshop Banquet at the restaurant "Schmiede" at the EUREF Campus, Berlin Schöneberg**

Wednesday, 19th June

09:00 **Demonstration building for a textile solar collector**
Prof. Dr.-Ing. Rosemarie Wagner
Karlsruhe Institute of Technology (KIT)
Karlsruhe, Germany

Acoustic Performance of Textile Roofs
Prof. Josep I. Llorens
University of Catalonia
Barcelona, Spain

Innovations in HF Welding
Mr. Mikhail Wallin
Forstrom High Frequency AB
Lysekil, Sweden

Folding Adaptable Membranes
Prof. Marijke Mollaert
Vrije Universiteit Brussel
Brussels, Belgium

12:30-14:00 **Lunch Break**

14:00-16:00 **Afternoon Session 3** (Geodätenstand, 6th floor)

Three parallel strands:

- Physical Modelling Workshop
- Computational EASY Modelling Workshop
- Formfinder Workshop / RStab Workshop

Student's joint project week:

Lindow Abbey Membrane Roofing
Presentation of results

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

Dipl. Ing. Architekt Martin Glass
gmp Architekten von Gerkan, Marg und Partner

Stev Bringmann
3DTeX GmbH

16:30 **Close**