



Textile Roofs 2006

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

Programme

Registration office will open on May 25th at 8:00 a.m. in the Ernst-Reuter Haus
All lectures are held in the Ernst Reuter Haus near the Technical University Berlin
The afternoon sessions are held at the Geodätenstand in the Technical University Berlin

Thursday, 25th May

09:00 Welcome; *Prof. Dr.-Ing. Lothar Gründig*
Technical University Berlin, Germany

09:15 About Lightness in Form and Structure
Dipl.-Ing. Jürgen W. Hennicke
Institut für Leichtbau, Entwerfen und Konstruktion
Universität Stuttgart, Stuttgart, Germany

Textile Materials for Membrane Structures
Ms. Françoise Fournier
Ferrari S.A.
La Tour-du-Pin, France

Recent ETFE-foil Projects with large-format Cushions
Dipl.-Ing. Bernd Stimpfle
form TL
Radolfzell, Germany

Computational Modelling Concepts
Dr.-Ing. Dieter Ströbel
technet GmbH, Stuttgart, Germany

12:30-14:00 Lunch break

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

Three parallel strands:

- Hands-on physical modelling workshop
- Hands-on computational modelling workshop
- Specialist presentations

– Introducing Formfinder
DI Dr. techn. Robert Wehdorn-Roithmayr, Vienna

– Advanced Membrane Materials
Frau Britta Their, Bielefeld; Michael Karwath, Munich

– Enveloped Membrane Structures
Dipl.-Ing. Gregor Grunwald, Berlin

– Structural characterization of fibre-matrix systems
Using spectroscopic techniques
Dr.-Ing. Michael Kröger, HH ; Frank Daschner, Kiel

19:30 Special Guest Lecture (Ernst Reuter Haus)

The Alchemy of Constructions
Dipl.-Ing. arch.Einar Thorsteinn
Einar Thorsteinn
Reykjavik, Island; Brieselang, Germany

Friday, 26th May

09:00 Kinematics in Tensile Structures
Prof. Dr.-Ing. Rosemarie Wagner
Fachhochschule München
Munich, Germany

Material Properties of Fabrics and Films: Theory and Measurement
Frau Dr.-Ing. Heidrun Bögner-Balz
Laboratorium Blum
Stuttgart, Germany

Detailing
Prof. Josep I. Llorens
University of Catalonia
Barcelona, Spain

Wind and Snow Loads on Membrane Roofs
Dipl.-Ing. Jürgen Wacker
Wacker Ingenieure
Birkenfeld, Germany

12:30-14:00 Lunch Break

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

Three parallel strands:

- Hands-on physical modelling workshop
- Hands-on computational modelling workshop
- Specialist presentations:

– RSTAB: Calculation of Planar and Spatial Structures
Dipl.-Ing. Walter Rustler
Ing.-Software Dlubal GmbH, Germany

– Das Badeschiff Berlin
Dipl.-Ing. Nadine Kannegiesser; Dipl. arch Gil Wilk
TU Berlin; Freier Architekt, Berlin, Germany

- Archimedia
Mr. Ivo Vrouwe
TU Eindhoven, Eindhoven, The Netherlands

– Algorithmic Approaches
Prof. Joachim Bahndorf, Minden

16:30 City Sightseeing Cruise by Tourboat

19:45 Workshop Banquet

Saturday, 27th May

09:00 Fibre Based Material Developments for Textile Construction
Dr.-Ing. Thomas Stegmaier
ITV Denkendorf
Denkendorf, Germany

The Development of a Tensile Surface for a Non-Static Application
Mr. IR arch. Tom van Mele
Vrije Universiteit Brussels
Brussels, Belgium

The Actual State of Design of Pneus - Considering as Example the Allianz-Arena
Dipl.-Ing. Lutz Schöne
Covertex GmbH
Obing, Germany

New Developements in Supporting Structures for Membranes
Dipl.-Ing. Michael Schultes
University of Vienna
Vienna, Austria

12:30-14:00 Lunch Break

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

Two parallel strands:

- Hands-on physical modelling workshop
- Hands-on computational modelling workshop

– Discussion: Hands-on physical model projects
Dipl.-Ing. Jürgen W. Hennicke
Institut für Leichtbau, Entwerfen und Konstruktion
Universität Stuttgart, Stuttgart, Germany

16:00 Close