



Textile Roofs 2001

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

Technical University Berlin
June 14th -16th 2001

Programme



Program
Thursday, 14th June

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.

- 08:00 Registration (Ernst Reuter Haus, Foyer)
- 09:00 Welcome (Ernst Reuter Haus)
Prof. Dr.-Ing. Lothar Gründig
Technical University Berlin
Berlin, Germany
- 09:15 Introduction and Subject Overview
Dipl.-Ing. Michael Kiefer
BIRDAIR Europe-Stromeyer GmbH
Konstanz, Germany
- Physical Modelling of Textile Structures
Mr. Erik Moncrieff
technet GmbH
Berlin, 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
 - Participant presentations
 - TensiNet – A Network for Tensile Structures in Europe
Dipl.-Ing. Jürgen Haase, Vrije Universiteit Brussels, Belgium
 - A Retractable Roof for the Venezuela Pavillion and a Tensegrity Roof for the Cateteria. EXPO 2000, Hannover
Prof. Josep Llorens, University of Catalonia, Barcelona, Spain
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Thursday, 14th June

19:30 Special Guest Lecture

(Ernst Reuter Haus)

Fluidically Prestressed Membranes

Becoming a Core Part of the Process

Designers should be providing the impetus for industrial innovation

Prof. Dipl.-Ing. Axel Thallemer

Head of Corporate Design, Festo AG & Co.
Esslingen, Germany



- 09:00 Manufacturing of Small Membrane Structures (Ernst Reuter Haus)
Mr. Ingo Lishke
Textil Bau GmbH
Giesen/Ahrbergen, Germany
- Detailing
Prof. Josep Llorens
University of Catalonia
Barcelona, Spain
- Economic Factors:
Panel Discussion
- 12:30-14:00 Lunch Break
- 14:00-17:00 Afternoon Session 2 (Geodätenstand, 6th floor)
Three parallel strands:
- Hands-on physical modelling workshop
 - Hands-on computational modelling workshop
 - Specialist presentations:
 - Materials for Membrane Structures
Ir. Rogier Houtman, Tentech B.V.
Delft, The Netherlands
 - Safety, Longevity and Environmental Issues of Pes/PVC Membranes for Textile Architectures
Mr. Tim Schubert, Serge Ferrari S.A.
La Tour du Pin, France
 - Algorithmic Approaches
Prof. Dr.-Ing. Joachim Bahndorf, Fachhochschule Bielefeld
Bielefeld, Germany
- 18:30 Bus transfer to the banquet (Departure from the front of the Main Building of the Technical University)
- 19:30 Banquet at the *Alter Dorfkrug* in the picturesque historical village of Lübars.
- 24:00 Bus transfer back to the Technical University
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Program
Saturday, 16th June

- 09:00 Environmental Aspects (Ernst Reuter Haus)
Prof. Marijke Mollaert
Vrije Universiteit Brussels
Brussels, Belgium
- Materials
Dr.-Ing. habil. H. Rainer Blum
Laboratorium Blum
Stuttgart, Germany
- The virtual world of „tensional integrity“
Prof. Dr.-Ing. Rosemarie Wagner
Fachhochschule München
Munich, Germany
- 12:30-14:00 Lunch Break
- 14:00-16:00 Modelling Session 3 (Geodätenstand, 6th floor)
- Three parallel strands:**
- Hands-on physical modelling workshop
 - Hands-on computational modelling workshop
 - Participant presentations
 - Cables, Fittings and Anchors Data Bank
Prof. Josep Llorens, University of Catalonia, Barcelona, Spain
- 16:00 Open discussion on physical models and close
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