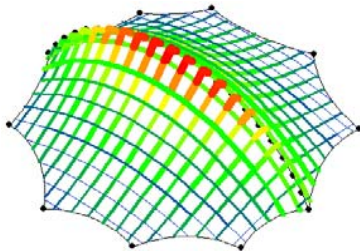


Textile Roofs 2012

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

Technische Universität Berlin
May 14th – May 16th

www.textile-roofs.com



Introduction

These workshops are concerned with the design of architectural membrane roof structures. For most people such roofs are typified by world famous sports stadia and temporary exposition structures. Although prestigious buildings of this type continue to utilise tensile roofing systems, the scope of application has widened considerably over the past decade. Today tensile roofs are routinely used in shopping centres, corporate headquarters, leisure centres, zoos, schools and even factories. With a combination of visually dramatic curvilinear form, and economic efficiency, such architectural solutions represent an attractive option for many situations.

The textile roof industry continues to grow world-wide. In order to encourage this development, workshops on the **Design and Realisation of Textile Roofs** have been held in Berlin for more than 17 years. Due to their practical emphasis and unique format, these events have proven increasingly popular.

The participants of the previous events have come from a wide range of backgrounds ranging from established experts to novice students. This rich-mix appears to form part of the popularity of the workshops.

Objectives

The main objectives of this workshop are to provide fundamental information, as well as presenting the state-of-the-art in textile roof engineering. Above all, the workshop aims to provide practical answers to real-world questions.

Programme

Textile Roofs 2012 is hosted by the **Department of Geodesy and Geoinformation Science** of the Institute of Technology Berlin. **Prof. Dr.-Ing. Frank Neitzel** - the head of the chair of Geodesy and Adjustment Theory - welcomes the participants of **Textile Roofs 2012**.

For those who arrive earlier in Berlin an **icebreaker party** is organized on **13th of May** which is **Sunday evening** at the Geodätenstand with a beautiful view to Berlin's skyline.

In addition to a comprehensive series of lectures presented in English by key figures from the membrane structure industry and academia, opportunity for the hands-on development of practical case-studies in an informal tutorial environment will be provided. The following key subjects will be addressed during extended morning lectures:

- **Introducing Lightweight Structures**
- **Computational and Physical Modelling**
- **Design Principles**
- **Materials for Textile Structures**
- **Environmental Aspects**

During the afternoons the hands-on workshop will run with opportunities for both physical and computational modelling under the guidance of the workshop team. Each participant will work with advanced and High-End Software products. In parallel to this **one joint project** about the **roofing of one of the Geodätenstand platforms** will be discussed with the participants in the afternoons and specialist presentations are given. On the afternoon of the last workshop day (**16th May**) this roofing will be presented by the students of the **Textile Roofs 2012 student's working week** during a **parting drink**.

On Monday (**14th May**) evening the **special guest lecture** will be presented by Mr. **Wolfgang Rudolf-Wittrin** from **CENO TEC GmbH**, Greven, Germany.

The **workshop banquet** will take place on Tuesday (**15th May**) evening after a sightseeing trip by tourboat.

The detailed programme may be found very soon at the workshop's website.

Lecturers

All the main programme lecturers have specifically been invited on the basis of their experience and skills in the topic they cover. Amongst others the lecturers are:

- Ms. Prof. Dr. **Heidrun Bögner-Balz**, *Labor Blum*, Germany
 Ms. **B. Brinkmann**, *Leuphana University Lüneburg*, Germany
 Ms. **Francoise Fournier**, *Ferrari*, France
 Prof. **Christoph Gengnagel**, *UdK Berlin*, Germany
 Prof. Dr.-Ing. Dr. h.c. **Lothar Gründig**, TU Berlin, Germany

Dipl.-Ing. **Kai Heinlein**, *KIT Karlsruhe*, Germany

Mr. **Jürgen Hennicke**, *Uni. Stuttgart & TU Vienna*, Germany / Austria

Dipl.-Ing. **Jürgen Holl**, *technet GmbH*, Germany

Mr. **Rogier Houtman**, *Tentech BV*, Netherlands

Ms. **Marijke Mollaert**, *Vrije Universiteit Brussel*, Belgium

Dipl.-Ing. **Christoph Paech**, *schlauch bergemann & partner*, Germany

Dr.-Ing. **Dieter Ströbel**, *technet GmbH*, Germany

Mr. **Osama Thawadi**, *Gulf Shade*, Bahrain

Dipl.-Ing. **Jürgen Wacker**, *Wacker Ingenieure*, Germany

Prof. Dr.-Ing. **Rosemarie Wagner**, *KIT Karlsruhe*, Germany

DI Dr. techn. **Robert Wehdorn-Roithmayr**, *Formfinder Software GmbH*, Austria

Workshop Location

The morning lectures will be presented at **TUB's main building**, Strasse des 17. Juni 135, and the afternoon activities will take place, as usual, in the glass walled *Geodätenstand* on the roof of **TUB's** main building.

Registration

Registration Fee: €800 (Early Bird, before May 1st); € 850 (after)

Find the online registration tool at www.textile-roofs.com

The fee includes a **workshop CD**, **beverages** during the mornings, **lunch** at noontime and afternoon **coffee** breaks, as well as **modelling materials**, the **tourboat trip** and the **banquet**.

Payment should be made by inter-bank transfer to the given account. Transfers must cover bank charges. Cancellations are to be notified in writing.

Organisation

Please contact:

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Sponsors

Textile Roofs 2012 is supported by the companies *Ferrari*, *technet GmbH* and promoted by the *EU Network TensiNET* www.tensinet.com.

