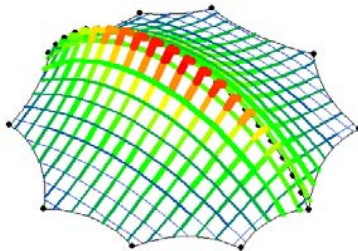


# Textile Roofs 2010

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

Technische Universität Berlin  
June 3<sup>rd</sup> – 5<sup>th</sup>

[www.textile-roofs.com](http://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 15 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

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**
- **Wind and Snow Loads on Membrane Roofs**
- **Materials for Textile Structures**
- **Environmental Aspects**

During each afternoon the hands-on workshop will run with opportunities for both computational and physical modelling. In parallel to this practical activity, specialised lectures will be presented on state-of-the-art topics for the more advanced participants.

An **International Students Seminar** held from June 2<sup>nd</sup> – 5<sup>th</sup> is part of **Textile Roofs 2010**. Students with different fields of study and great interest in tensioned structures, have the chance to develop a sense for these structures by practical experience. They will have the possibility to discuss their work with the participants of the workshop.

On Thursday evening the **special guest lecture** will be presented by Mr. **Jürgen Hennicke** from University Stuttgart & TU Vienna, Germany about the work of Frei Otto.

The **workshop banquet** will take place on Friday evening after a sightseeing trip by tourboat.

The detailed programme may be found 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. The lecturers are:

Mr. **Rakesh Aggarwal**  
*Mansi Collections, India*

Mr. **Björn Briegert**  
*HP Gasser AG MEMBRANBAU, Lungern, Switzerland*

Mr. **Roger Burri**  
*neue Holzbau AG, Lungern, Switzerland*

Mr. **Horst Dürr**  
*IF Group, Reichenau, Germany*

Mr. **Dirk P. Emmer**  
*Vector Foiltec GmbH, Tüßling, Germany*

Ms. **Francoise Fournier**  
*Ferrari, La Tour-du-Pin, France*

Prof. Dr.-Ing. Dr. h.c. **Lothar Gründig**  
*Technische Universität Berlin, Berlin, Germany*

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

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

M.Sc. **Ismail Sariay**  
*Arch&Art, Izmir, Turkey*

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

Dipl.-Ing. **Jörg Tritthardt**  
*Büro für Leichtbau, Radolfzell, Germany*

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

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

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

**Cost:** €600 (before May 15<sup>th</sup>) ; € 650 (after)

The fee includes one copy of the proceedings, beverages and snacks during the morning and afternoon coffee breaks, modelling materials and the banquet.

Payment should be made by inter-bank transfer to the named account. Transfers must cover bank charges. Regrettably no credit cards can be accepted. Cancellations are to be notified in writing.

## Accommodation

**Berlin Tourismus Marketing GmbH**

Am Karlsbad 11 • 10785 Berlin

Tel +49 30 250025 • Fax +49 30 25002424 • URL [www.btm.de](http://www.btm.de)

or see [www.textile-roofs.com](http://www.textile-roofs.com) for proposals

## Sponsors

**Textile Roofs 2010** is supported by the firms *Ferrari, technet GmbH* and the EU Network *TensINET* [www.tensinet.com](http://www.tensinet.com).

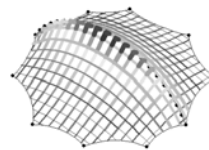


[www.ferrari-textiles.com](http://www.ferrari-textiles.com)



[www.technet-gmbh.com](http://www.technet-gmbh.com)

# Textile Roofs 2010 Registration Form



Please return the completed form by fax or post

Herewith I confirm my participation at "Textile Roofs 2010"

Title	<input type="text"/>		
First name	<input type="text"/>		
Surname	<input type="text"/>		
	male	/	female
Affiliation	<input type="text"/>		
Address	<input type="text"/>		
Zip Code	<input type="text"/>	City	<input type="text"/>
Country	<input type="text"/>		
Phone	<input type="text"/>	Fax	<input type="text"/>
Email	<input type="text"/>		
URL	<input type="text"/>		

The registration fee of € 600 (before May 15<sup>th</sup>) and € 650 (after) has been transferred to:

Bank name:	TARGOBANK (formerly: Citybank Düsseldorf)		
Account no.:	0503442178	Account name:	Prof. Dr.-Ing. L. Gründig
Bank code:	30020900	IBAN:	DE12300209000503442178
BIC:	CIPREDD	Reference:	Your name
Address:	P.O.Box 101818, 40009 Düsseldorf, Germany		

I accept that the above information will be included in the workshop folder's list of participants.

Place, Date

Signature

**Tensinet**

Technische Universität Berlin



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