

International Students Seminar Textile Roofs 2007

Free Field sales for ecologic fruits and vegetables

The main emphasis of the International Students Seminar is put in developing and manufacturing building models for tensioned and inflated structures, including all experience during the process of development and manufacturing up to the final and real model. The design of membrane structures is closely related to interest in new fields, curiosity while developing and fun during manufacturing. Interests in new ways of thinking and unusual approaches are affecting to the appearance the buildings.

The market for any kind of inflatable is steady increasing and the shapes are getting more fancy and strange. The quick and easy assembling brought up the idea to design an outdoor stand to sale fruit and vegetarians on the field. The stands are mostly along main streets on the country site and should be a seen widely.



The project of the seminar is to design and to build in the scale of M 1 : 5 or M 1 : 2 a tent or inflatable which can be stored in the rear trunk of a VW Golf together with all equipment such as struts, cables, belts, ventilator etc. The structure has to be stable enough the withstand wind speeds up to 15 m/s (wind strength 6 -7), rain tight and been an interesting sign to invite passing car drivers to stop and to buy healthy fruits and vegetarian.



The best designs will be built in scale M 1:1 and present on the conference in Barcelona, structural membranes'07, 17 – 19 September 2007, www.membranes07@cimne.upc.edu

The project is accompanied by the lecturers of the seminar.

Lothar Gründig, TU Berlin
Peter Michael Schultes, Vienna
Joachim Bahndorf, University of Applied Science, Minden
Rosemarie Wagner, Munich University of Applied Science

Location

Introduction and modeling:
Geodätenstand, 6. Stock
Technische Universität Berlin
Strasse des 17. Juni 135
10 623 Berlin

Lectures
Ernst Reuter Haus
Strasse des 17. Juni 110-114
10623 Berlin

Equipment

Paper and pencils
Notebook

Fee

150 Euro
Including social events of the Textile Roofs '07 such as
boat tour, conference dinner, beverages during the day and
materials to build the models

Accommodation

on the homepage www.textile-roofs.com will be a list of
Guesthouses and hotels, the students have to organize their
accommodation by themselves

Registration

on the homepage www.textile-roofs.com you will find a
registration form for the International Students Seminar in the
section "Stud. Seminar". The registration should be send
together with a copy of your student identity card by fax or mail
to Mr. Bernd Stary
technet GmbH
Maassensstrasse 14
10777 Berlin
Germany
fax: +49 30 21751755

Program

Tuesday, June 5th

- 09.30 - 10.00 Welcome and Introduction, Prof. Lothar Gründig, TU Berlin
- 10.00 - 10.45 Presentation of the lectures, Prof. J. Bahndorf, Minden
- 10.45 - 11.30 Presentation of the task, Prof. R. Wagner, Munich
- 11.30 - 13.00 Introduction in the topic, the materials, working techniques and equipment, Peter Michael Schultes, Vienna
- 14.30 - 18.30 Conceptual design
Experiments with stiffening effects

Wednesday, June 6th

- 09.00 - 13.00 First models of the cover
- 14.30 - 18.30 Detailing of the model
Recognizing and understanding of the stiffening effects

Thursday, June 7th

- 09.00 - 11.00 Presentation of the models and discussion with the lectures
- 11.00 - 13.00 Revision of the models
- 19.30 Special Guest Lecture
(Ernst Reuter Haus)

Friday, June 8th

- 09.00 - 12.30 Lectures Textile Roofs 2007 (Ernst Reuter Haus)
- 14.00 - 16.00 Refinement of the models
- 16.30 - 19.30 Boots tour, river Spree
- 19.45 Conference dinner, Textile Roofs 2007

Saturday, June 9th

- 09.00 - 12.30 Lectures Textile Roofs 2007 (Ernst Reuter Haus)
Finishing of the models
- 14.30 - 16.00 Presentation and evaluation of the models