

**March 10th – 15th 2008**  
**September 08th – 13th 2008**

Anhalt University of Applied Sciences  
 Dessau, Germany

Organized by:

**IMS e.V.**  
 Institute for Membrane and  
 Shell Technologies e.V.  
 associated Institute of the

**Anhalt University of Applied Sciences**  
 Faculty of Architecture, Facility  
 Management and Geoinformation



### Background Information

Since March 2006 the IMS e.V. organizes the academic master course “Membrane Structures” at the Anhalt University of Applied Sciences.

Due to the fact that people asked to participate in the lectures of the course without taking part in the whole study the Institute now offers the possibility to individual lectures.

The participants will be guest auditors of the master course and receive a certificate of attendance. They are not taking part in the Universities master program.

It is possible to attend all modules of the lecture week.

One week fee: **1000 EUR**

It is also possible to attend single modules.

Single module fee: **250 EUR**

### Registration

The registration takes place in building number 07, room no. 001, Bauhausstrasse 8 in 06846 Dessau, Germany, Anhalt University of Applied Sciences.



07 - Office of the IMS e.V.  
 04 - Lecture hall  
 M - Cafeteria

## Schedule for March 2008

You can make your choice between the two offered modules each day.

### Monday, March 10<sup>th</sup> / Tuesday, March 11<sup>th</sup>

Mon 7.30 Registration (*only on Monday*)

Mon 8.00 – 19.15 / Tue 8.00 – 14.00

#### Architecture

History – Design – Basic Principles

*Prof. Dr. Robert Off, 1. Director of the IMS e.V., Head of the study course  
Dipl.-Ing. Andreas Bunge, a+i, University San Francisco Maroquin*

Mon 8.00 – 19.15 / Tue 8.00 – 14.00

#### Internship Theory – Fabrication and Build up

Confection - Fabrication - Welding - Erection principles - Quality - Operational safety  
*Ingo Lishke, M. Archineer®, Textilbau GmbH*

### Tuesday, March 11<sup>th</sup> / Wednesday, March 12<sup>th</sup>

Tue 14.15 – 19.15 / Wed 8.00 – 19.15

#### Numerical Theory

Computational form finding methods - Stress calculation

*Prof. Dr. Kai-Uwe Bletzinger, TU-Munich*

Tue 14.15 – 19.15 / Wed 8.00 – 19.15

#### Dimensioning

Structural design - Statics - Action - Safety concept - Materials - Structural analysis

*Dipl.Ing. Karsten Moritz, TU-Munich  
Dipl.-Ing. Lars Schiemann, TU-Munich*

### Thursday, March 13<sup>th</sup> / Friday, March 14<sup>th</sup>

Thu 8.00 – 19.15 / Fri 8.00 – 14.00

#### Membrane Programs

Exercises with FORTEN 3000

*Gerry D'Anza, Architetto, BAKU Group Dt  
Dipl.-Ing.(FH) Wolfgang Warisch, 2. Director of the IMS e.V.*

### Friday, March 14<sup>th</sup> / Saturday, March 15<sup>th</sup>

Fri 14.15 – 19.15 / Sat 8.00 – 19.15

#### Visualization

3D Visualization and combination 2D/3D - Presentation techniques

*Prof. Dipl.-Ing. Einar Kretzler, Anhalt University of Applied Sciences*

Fri 14.15 – 19.15 / Sat 8.00 – 19.15

#### Building Physics

Acoustics and thermal insulation - Simulation - Building services

*Dr. Rainer E. Blum, Laboratory Blum  
Dr. Heidrun Bögner-Balz, Laboratory Blum*

-Changes of the program and it's lecturers are possible.-

## Schedule for September 2008

You can make your choice between the two offered modules each day.

### Monday, September 08<sup>th</sup> / Tuesday, September 13<sup>th</sup>

Mon 8.00 – 19.15 / Tue 8.00 – 14.00

#### Structural Design and Detail

Detailing - Interaction with main structure, substructure and membrane

*Prof. Dr. Josep Llorens, Barcelona School of Architecture*

### Tuesday, September 13<sup>th</sup> / Wednesday, September 14<sup>th</sup>

Tue 14.15 – 19.15 / Wed 8.00 – 19.15

#### Project Management

Quotation - Calculation of costs - Service and maintenance - Quantity survey

*Prof. Dr. Robert Off, 1. Director of the IMS e.V., Head of the study course  
Dipl.-Ing. Horst Dürr, IF-Group*

### Thursday, March 13<sup>th</sup> / Friday, March 14<sup>th</sup>

Thu 8.00 – 19.15 / Fri 8.00 – 14.00

#### Mechanical and Physical Properties

Testing - Quality controlling - Certification - Mechanical properties

*Dr. Rainer E. Blum, Laboratory Blum  
Dr. Heidrun Bögner-Balz, Laboratory Blum*

### Friday, March 14<sup>th</sup> / Saturday, March 15<sup>th</sup>

Fri 14.15 – 19.15 / Sat 8.00 – 19.15

#### Design Studio Calculation and Detailing

Exercises with FORTEN 3000

*Gerry D'Anza, Architetto, BAKU Group Dt  
Dipl.-Ing. (FH) Wolfgang Warisch, 2. Director of the IMS e.V.*

Fri 14.15 – 19.15 / Sat 8.00 – 19.15

#### Experimental Structures

Research - Development

*Prof. Dr. Robert Off, 1. Director of the IMS e.V., Head of the study course  
Dipl.-Ing. Horst Dürr, IF-Group*

-Changes of the program and it's lecturers are possible.-

## Accommodation / Contact

### Accommodation

- Bauhaus building

Phone: +49 (0)340 6508226

Web: <http://www.bauhaus-dessau.de>

- Hotel-Pension “An den 7 Säulen”

Phone: +49 (0)340 619620

Web: <http://www.pension7saeulen.de>

- Hotel Steigenberger

Phone: +49 (0)340 25150

Web: <http://www.dessau.steigenberger.de>

### Contact

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06846 Dessau

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