

from the beginnings up to today

FLUOROPLASTICS IN MEMBRANE ARCHITECTURE

PROJECTS

Modernization
OF THE MUNICIPAL STADIUM

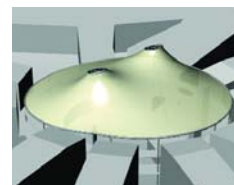
Spider
TEXTILE ARCHITECTURE PROJECT

ARTICLE

INTELLIGENT BUILDING
ENVELOPE TECHNOLOGY
IN MEMBRANE STRUCTURES



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 Buro Happold
www.burohappold.com

 Canobbio S.p.A.
www.canobbio.com

 Ceno Tec
www.ceno-tec.de

 Dyneon
www.dyneon.com

 FabricArt
Membrane Structures
www.fabricart.com.tr/

 Ferrari sa
www.ferrari-textiles.com

 Form TL
www.Form-tl.de


 Hightex GmbH
www.hightexworld.com

 Mehler Technologies
www.mehler-technologies.com

 Messe Frankfurt
Techtextil
www.techtextil.de

 Saint-Gobain
www.sheerfill.com

 Sioen Industries
www.sioen.com

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www.technet-gmbh.com

 Verseidag
www.vsinidutex.de

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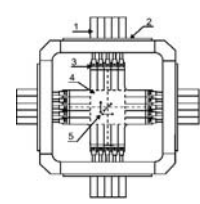
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TensinetnewsINFO

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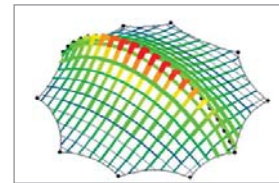
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10
years of TensiNet
the 20th issue
of TensiNews



Forthcoming Events

IV Simposio **Latinoamericano de Tensoestructuras** Montevideo, Uruguay 6-8/04/2011 <http://tens-mvd2011.org/sitio/> ● 2nd International Conference on **Architecture and Structure** University of Tehran, Iran 15-16/05/2011 <http://icas.ceatconferences.com/> ● 3rd National Conference on **Spatial Structures** University of Tehran, Iran 17-18/05/2011 <http://ncss.ceatconferences.com/> ● International trade Fair & Symposium **Techtextil 2011** Frankfurt, Germany 24-26/05/2011 <http://techtextil.messefrankfurt.com> ● Exhibition **ROOF INDIA 2011** Chennai, India 27-29/05/2011 www.roofindia.com ● **Textile Roofs** Berlin, Germany 30/05 - 01/06 www.textile-roofs.com ● Symposium **IABSE-IASS** Taller, Longer, Lighter London, UK 20-23/09/2011 ● International conference on **Structural Membranes 2011** Barcelona, Spain 05-07/10/2011 <http://congress.cimne.com/membranes2011/frontal/Dates.asp>



Forthcoming Meetings

TensiNet Meetings

Thursday 14/04/2011

- 10:30 - 11:00 Welcome
- 11:00 - 12:30 Partner meeting (1/2011)
- 12:30 - 13:30 Light lunch
- 13:30 - 16:00

Working Group Meeting "Specifications"
(Marijke Mollaert);

Working Group Meeting "Analysis & Materials"
(Peter Gosling);

Working Group Meeting "ETFE"
(Rogier Houtman)

16:00 - 17:00 Visit Mehler Technologies factory

Location:

headquarter Mehler Technologies GmbH,
Rheinstrasse 11, D-41836 Hückelhoven,
Germany

Ten years ago, with the support of Jürgen Haase, a proposal was done for

A Thematic Network for Upgrading the Built Environment in Europe through Tensile Structures

(PROJECT N°: GTC1-20000-28031, ACRONYM: TENSINET).

The European Commission funded this project under the 'Competitive and Sustainable Growth' Programme from 01.03.2001 to 31.08.2004. The main results of this project were the European Design Guide for Tensile Surface Structures, the website www.TensiNet.com with database and library, and the fact that the group of partners became known as the TensiNet Association.

After three years of funding this group decided to continue the main activities like the preparation of a Eurocode Part for Membrane structures (CEN/TC250 WG5), the support of student competitions (Techtextil 's Student Competition 2007, 2009 and 2011) and workshops (Textile Roofs Workshop since 2001), the organization of the TensiNet Symposia *Designing Tensile Architecture* in Brussels (2003), *Ephemeral Architecture: Time And Textiles* in Milano (2007) and *Tensile Architecture: Connecting Past and Future* in Sofia (2010) and publishing the TensiNews, arriving now at the 20th issue.

The TensiNet Association became the main communication platform for professionals and those interested in tensioned membrane constructions in Europe. Special thanks go to the Board of the last six years for pushing the association to the current strength and expansion.

TensiNet counts now 200 Members. Current partners encourage more and more architects, engineers, material producers, fabricators and others to become member of the TensiNet Association and are looking forward to intensify the Working Group activities, to publish good practice guidelines, to be present at specialized conferences and events, to prepare the next TensiNet Symposium in 2013, and last but not least to enlarge the creative and qualitative application of tensioned technical fabrics in the built environment.

Other goals are to get scientific results into practice and to promote research in the field of tensile surface structures. During the recent years effort was put in writing proposals (like for the COST-Action – not successful) or in participating in research projects (like Contex-T, www.contex-t.eu and S(p)eedkits, proposal currently under evaluation).

Design exploration for natural fluid shapes, which especially suits the use of 'flexible' materials, is a key issue gaining importance in modern architecture. The future of tensile surface structures still contains several challenges, be it in the field of new materials (fibers, coatings, foils, insulation ...) or new applications: small or large span, low or high tech (connections play so an important role), expressive, low or even no curvature, energy harvesting, earthquake proof, mobile, retractable etc. New techniques (like textile formwork) are just at the beginning of their potential implementation.



In the middle: Mike Barnes (first chairman) and Jürgen Haase (first TensiNet employee)



Currently the active working groups are chaired by Marijke Mollaert (second from left), Rogier Houtman (middle) and Peter Gosling (second from right)



TensiNet sponsors the bi-annual Techtextil Student competition



Vatyu Tanev at the closure of the TensiNet Symposium *Tensile Architecture: Connecting Past and Future* in Sofia