

Structural Membranes 2013

9-11 October 2013, Munich, Germany

Conference Secretariat

International Center for Numerical Methods in Engineering (CIMNE)

Congress Management Department (CMD)

Campus North UPC

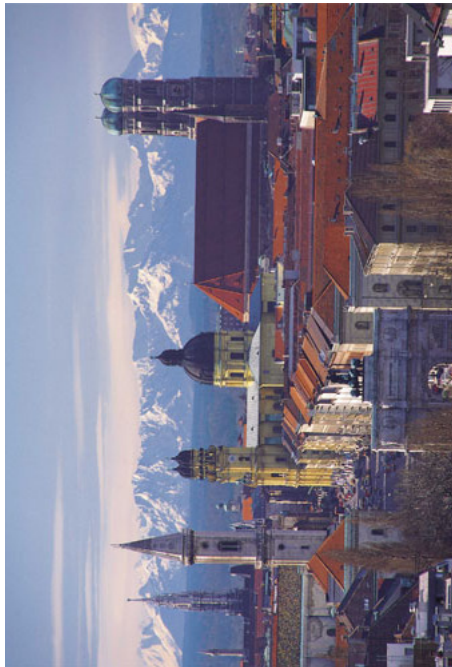
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<http://congress.cimne.com/membranes2013>



ECCOMAS and IACM support

Structural Membranes 2013 is one of the Thematic Conferences of the European Community on Computational Methods in Applied Sciences (ECCOMAS): www.eccomas.org

Structural Membranes 2013 is also a Special Interest Conference of the International Association for Computational Mechanics (IACM): www.iacm.info

Registration Fees

Registration fees are expressed in Euro. **Early registration applicable if paid before 15 May 2013.**

	Early	Late
Delegates	495 €	595 €
Students	345 €	405 €

ECCOMAS and IACM members will have a 5% reduction on the delegate fees.

Registration fees include: Conference proceedings, attendance at all scientific sessions, coffee breaks, reception and banquet.

Supporting Organisations

- European Community on Computational Methods in Applied Sciences (ECCOMAS)
- International Association for Computational Mechanics (IACM)
- Universität Stuttgart, Germany
- Technische Universität München, Germany
- International Center for Numerical Methods in Engineering (CIMNE), Spain
- German Association for Computational Mechanics (GACM)
- Build Air Ingeniería y Arquitectura S.A.
- TAO Transatmospheric Operations GmbH, Germany



Structural Membranes 2013

VI International Conference on
Textile Composites and
Inflatable Structures

9-11 October 2013, Munich, Germany

An IACM Special Interest Conference



<http://congress.cimne.com/membranes2013>

Objectives

The **VI International Conference on Textile Composites and Inflatable Structures (Structural Membranes 2013)** will be organised on **9-11 October 2013 in Munich, Germany**. The previous conferences of these series were held in Barcelona (Spain) in 2003, 2007 and 2011, and in Stuttgart (Germany) in 2005 and 2009.

The objectives of **Structural Membranes 2013** are to collect and disseminate state-of-the-art research and technology for design, analysis, construction and maintenance of textile and inflatable structures. The conference will address both the theoretical bases for structural analysis and the numerical algorithms necessary for efficient and robust computer implementation. A significant part of the conference will be devoted to discuss advances in new textile composites for applications in membrane and inflatable structures, as well as in innovative design, construction and maintenance procedures.

In summary, **Structural Membranes 2013** aims to be a forum for discussing recent progress and identifying future research directions in the field of textile composites and inflatable structures.

About Munich

Munich is a modern, cosmopolitan city with a big heart and a long tradition. BMW and beer gardens, culture and the arts and sleepy nooks, baroque and modern architecture. Munich is a city with its own style – all contrast, but no contradictions. The Bavarian capital has so many fantastic attractions that it's hard to know where to start. So the most important thing to take on a trip to Munich is plenty of time.

Conference Topics (the list is not exhaustive)

- Adaptivity
- Applications: membrane roofs and covers, sails, inflatable pavilions and buildings, inflatable bridges, inflatable bridges, airships, airspace structures, inflatable antennas, high altitude platforms, furniture, bio-membranes, textiles for clothes, etc.
- Climate Impact
- Construction Methods
- Design Methods
- Energetic Aspects
- Environmental Aspects
- Maintenance Techniques
- Manufacturing
- New Membrane Materials
- Numerical Methods for Structural Analysis
- Pressure Management
- Security
- Testing Procedures
- Transport Engineering

Conference Chairmen

Kai-Uwe Bletzinger, Technical University of Munich (TUM), Germany

Eugenio Oñate, Universitat Politècnica de Catalunya, Spain

Bernd Kröplin, Tao GmbH, Stuttgart, Germany

Scientific Committee

E. Barbero, USA

R. Barthel, Germany

M.C. Bernasconi, Switzerland

A. Bown, UK

B.N. Bridgens, UK

E. Carrera, Italy

F. Cirak, UK

L. Datashvili, Germany

F. Dieringer, Germany

F. Flores, Argentina

R. Flores, Spain

A.J. Gil, UK

J. Knippers, Germany

W. Lang, Germany

K.W. Linkwitz, Germany

J. Llorens, Spain

R. Luchsinger, Switzerland

M. Majowiecki, Italy

J. Marcipar, Spain

M. Mollaert, Belgium

E. Moncrieff, UK

K. Moritz, Germany

R. Motro, France

M. Papadrakakis, Greece

S. Pellegrino, USA

A. Pronk, The Netherlands

E. Ramm, Germany

R. Rossi, Spain

M. Saitoh, Japan

A. Samartin, Spain

R. Sastre, Spain

L. Schiemann, Germany

K. Schweizerhof, Germany

M. Sieder, Germany

E. Stach, USA

T. Stegmaier, Germany

E. Stein, Germany

R. Tarczewski, Poland

R. L. Taylor, USA

T. E. Tezduyar, USA

R. Wagner, Germany

D. Wakefield, UK

B. Wolf, Germany

P. Wriggers, Germany

R. Wüchner, Germany

Important Dates

Deadline for presenting one page abstract **11 February 2013**

Acceptance of the contributions **15 March 2013**

Deadline for submitting the full paper and early payment **15 May 2013**

Location

Structural Membranes 2013 will be held at the Technical University of Munich. For details visit the conference web page.



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How to register and submit contributions

Authors are invited to submit their contributions on any of the conference topics. Submission of contributions and conference registration should be performed electronically via the conference web site.

<http://congress.cimne.com/membranes2013>