

Structural Membranes 2015

19 - 21 October 2015, Barcelona, Spain

How to register and submit contributions

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

<http://congress.cimne.com/membranes2015/>



International Center for Numerical Methods in Engineering

CIMNE Congress Bureau

Campus Nord UPC, Building C3 - "Zona Comercial"

Jordi Girona, 1-3 (08034), Barcelona, Spain

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membranes@cimne.upc.edu

Location

The Conference will take place at the Technical University of Catalonia (UPC), C/ Jordi Girona, 31. 08034 Barcelona, Spain.

Barcelona is a cosmopolitan city on the North East coast of Spain, within easy access to some splendid holiday resorts such as those on the Costa Brava. Barcelona itself is a fascinating place, and has a unique blend of historical tradition, exciting architecture, nightlife and haute cuisine.

Preliminary Registration Fees

Registration fees are expressed in Euro. Early registration applicable if paid by June 15, 2015.

	Early Fees If paid by June 15, 2015	Late Fees If paid after June 15, 2015
Delegates	520 €	620 €
Students	350 €	410 €

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 Organizations:

- Universitat Politècnica de Catalunya (UPC)
- European Community on Computational Methods in Applied Sciences (ECCOMAS)
- International Association for Computational Mechanics (IACM)
- Technische Universität München, Germany
- International Center for Numerical Methods in Engineering (CIMNE)
- German Association for Computational Mechanics (GACM)
- Build Air Ingeniería y Arquitectura S.A.
- TAO GmbH
- Tensinet



Structural Membranes 2015

VII International Conference on Textile Composites and Inflatable Structures

19 - 21 October 2015, Barcelona, Spain



<http://congress.cimne.com/membranes2015/>

Objectives

The seven conference on "Textile Composites and Inflatable Structures" (Structural Membranes 2015) will be organised on 19-21 October 2015 in Barcelona, Spain. The previous conferences of these series were held in Barcelona (Spain) on 30 June – 3 July 2003, in Stuttgart (Germany) on 2 - 4 October 2005, in Barcelona (Spain) on 17 - 19 September 2007, in Stuttgart (Germany) on 5 - 7 October 2009, in Barcelona (Spain) on 5-7 October 2011 and in Munich, (Germany) on 9-11 October 2013

The objectives of Structural Membranes 2015 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.

Structural Membranes 2015 aims to be a forum for discussing recent progress and identifying future research directions in the field of textile composites and inflatable structures.

Important Dates

Deadline for presenting a one page abstract	16 March 2015
Acceptance of the contributions	10 April 2015
Deadline for submitting the full paper (not mandatory) and early payment	1 June 2015

Conference Chairmen

Eugenio Oñate

CIMNE/Universitat Politècnica de Catalunya, Spain

Kai-Uwe Bletzinger

Technical University of Munich, Germany

Bernd Kröplin

Tao GmbH, Stuttgart, Germany

Scientific Committee

- S. Adriaenssens, USA
- E. Barbero, USA
- R. Barthel, Germany
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- S. Pellegrino, USA
- A. Pronk, Netherlands
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- A. Rein, Germany
- R. Rossi, Italy
- M. Saitoh, Japan
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- E. Stein, Germany
- R. Tarczewski, Poland
- R. L. Taylor, USA
- T. E. Tezduyar, USA
- R. Wagner, Germany
- D. Wakefield, UK
- P. Wriggers, Germany
- R. Wüchner, Germany

Conference Topics

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

ECCOMAS and IACM Support

Coupled Problems 2015 is one of the Thematic Conferences of the European Community in Computational Methods in Applied Sciences (ECCOMAS)

www.eccomas.org

Coupled Problems 2015 is a Special Interest Conference of the International Association for Computational Mechanics (IACM)

www.iacm.info

