

## Structural Membranes 2017

9-11 October 2017, Munich, Germany

### 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 website:

<http://congress.cimne.com/membranes2017>



International Center for Numerical Methods in Engineering

#### CIMNE Congress Bureau

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### Location

Munich ("München") is the capital and largest city of the German state of Bavaria (third largest city, after Berlin and Hamburg). Back to the 12th century a monastery ran by monks of the Benedictine order became the Old Town of Munich. Nowadays, Munich is a leading location for science and research, home to major universities (such as the Ludwig-Maximilians-Universität München and the Technische Universität München), and Max Planck institutes.

The city is ranked as one of the most (if not "the" most) livable city in the world. Munich and closer suburbs have a comprehensive and punctual public transportation system that includes the Munich U-Bahn (underground railway), the Munich S-Bahn (suburban trains), trams and buses.

### Preliminary Registration Fees

	Early fees If paid before June 9, 2017	Late Fees If paid on or after June 9, 2017
Delegates	545 €	645 €
Students	405 €	485 €

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:

- Technische Universität München, Germany
- International Center for Numerical Methods in Engineering (CIMNE)
- Universitat Politècnica de Catalunya (UPC), Barcelona, Spain
- TAO GmbH, Germany
- European Community on Computational Methods in Applied Sciences (ECCOMAS)
- International Association for Computational Mechanics (IACM)

### ECCOMAS and IACM Support

Structural Membranes 2017 is a Thematic Conference of the European Community in Computational Methods in Applied Sciences (ECCOMAS). [www.eccomas.org](http://www.eccomas.org)

Structural Membranes 2017 is a Special Interest Conference of the International Association for Computational Mechanics (IACM). [www.iacm.info](http://www.iacm.info)

# STRUCTURAL MEMBRANES 2017

## VIII International Conference on Textile Composites and Inflatable Structures

9-11 October 2017, Munich, Germany



<http://congress.cimne.com/membranes2017>

## Objectives

The 8th International Conference on Textile Composites and Inflatable Structures - Structural Membranes 2017, will be organised on 9 - 11 October 2017 in Munich, Germany .

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 , in Munich (Germany) on 9 - 11 October 2013 and in Barcelona (Spain) on October 19 - 21, 2015.

The objectives of Structural Membranes 2017 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 2017 aims to be a forum for discussing recent progress and identifying future research directions in the field of textile composites and inflatable structures.



## Conference Chairmen

Kai-Uwe Bletzinger  
Technische Universität München, Germany

Eugenio Oñate  
CIMNE/Universitat Politècnica de Catalunya, Barcelona, Spain

Bernd Kröplin  
Tao GmbH, Stuttgart, Germany

## Scientific Committee

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## Local Organizing Committee

Roland Wüchner (Chair), Technische Universität München, Germany

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Ann-Kathrin Goldbach, Technische Universität München, Germany

Máté Péntek, Technische Universität München, Germany

Benedikt Philipp, Technische Universität München, Germany

## Conference Topics

### Fundamentals

- Adaptivity
- Climate Impact
- Construction Methods
- Design Methods
- Energetic Aspects
- Maintenance Techniques
- Manufacturing
- New Membrane Materials
- Numerical Methods for Structural Analysis
- Pressure Management
- Testing Procedures

### Applications

- Membrane roofs and covers, sails, inflatable pavilions and buildings, airships, airspace structures, inflatable antennas, high altitude platforms, furniture, bio-membranes, textiles for clothes, etc.

## Important Dates

Deadline for presenting a one page abstract	March 10, 2017
Acceptance of the contributions	April 7, 2017
Deadline for submitting the full paper (not mandatory), presenting author's registration(*) and early payment	June 9, 2017

(\*) Presenting authors are required to finalize their registration before June 9, 2017 in order to get the presentation included in the Conference Program.