

## ECCOMAS and IACM Support

ADMOS 2017 is a thematic conference of the European Community of Computational Methods in Applied Sciences (ECCOMAS) and it has been promoted by the European Committee in Solids and Structural Mechanics (ECSSM) of ECCOMAS. For further information on ECCOMAS visit the website [www.eccomas.org](http://www.eccomas.org)

ADMOS 2017 is a IACM special interest conference. For more information about IACM visit the website [www.iacm.info](http://www.iacm.info)

## Location

ADMOS is jointly organized by MOX-Politecnico di Milano, Universitat Politècnica de Catalunya and CIMNE.

The selected venue is Hotel il Chiostro, in the beautiful city of Verbania, Italy (<https://www.chiostrovb.it/>).

## Registration Fees

The registration fees, including social events, with early registration applicable if received before March 24, 2017 are:

	Early Fees	Late Fees
Delegates	490 €	590 €
Students	350 €	410 €

ECCOMAS and IACM members will have a 5% reduction on the delegate fees. The fees will include: conference proceedings, attendance at all the scientific sessions, coffee breaks, reception and banquet.

## How to register and submit contributions

Authors are invited to submit individual contributions related to any of the Conference Topics. You may choose between a communication or a poster. Submission and conference registration have to be performed electronically, via the conference website <http://congress.cimne.com/admos2017>



International Center for Numerical Methods in Engineering

### CIMNE Congress Bureau

Campus Nord UPC, Building C3 - "Zona Comercial"

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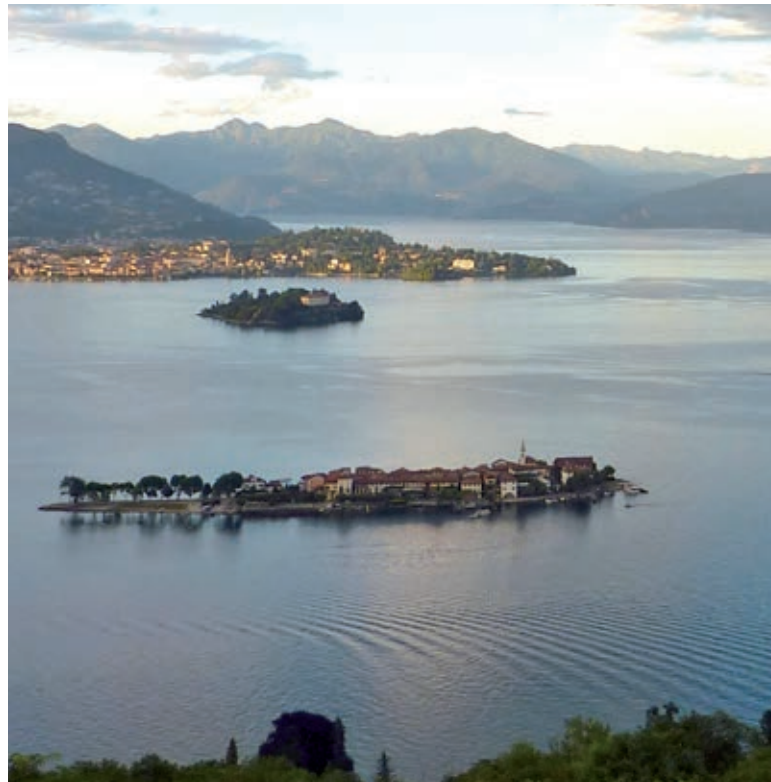
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# ADMOS 2017

## International Conference on Adaptive Modeling and Simulation

June 26–28, 2017, Verbania, Italy



<http://congress.cimne.com/admos2017>

## Objectives

Numerical Modeling and Simulation are increasingly used as a complementary tool to Experimental Modeling and Analysis and as a design or certification tool in engineering applications. However, after more than thirty years of scientific investigation around Adaptive Modeling and Simulation, the problem of properly assessing and controlling the quality of the numerical solutions still represents a relevant issue in the scientific community. Nowadays, it is well-established that a certain maturity has been reached in this context, as well as calculations for industrial applications can be verified and error bounds can be provided in many cases. Nevertheless, the design of sophisticated engineering systems requires increasingly complex and coupled modeling and verification tools are still lacking in these cases. Furthermore, new challenges characterize the actual industrial demands, such as fast calculations for real-time decision making, design optimization, inverse analysis, simulation-based control, in particular in the presence of uncertainty.

The main goal of ADMOS 2017 conference is to provide a forum for presenting and discussing the current state-of-the-art achievements on Adaptive Modeling and Simulation, including theoretical models, numerical methods, algorithmic strategies and challenging engineering applications.

ADMOS is one of the conferences that launched the ECCOMAS series of thematic events, in 2003. It is a medium-size conference (an average of about 80-100 delegates), which allows for dynamic and fruitful exchanges between participants.

After seven successful editions, held successively in Göteborg in 2003, Barcelona in 2005, Göteborg in 2007, Bruxelles in 2009, Paris in 2011, Lisbon in 2013, and Nantes in 2015, the eighth edition of ADMOS will take place at Verbania (Italy) on June 26-28, 2017.

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## Main Conference Topics

- Big data and data assimilation
- Domain decomposition & HPC
- Dynamics and nonlinear problems
- Error estimates (guaranteed bounds, goal-oriented, space/time/phase)
- Industrial and engineering applications
- Mesh and model adaptivity
- Multiscale, multimodel and multiphysics
- Optimization and inverse problems
- Reduced order modeling
- Stochastic modeling

## Chairs of the Conference

S. Perotto, MOX, Politecnico di Milano, Italy

P. Diez, Universitat Politècnica de Catalunya, Spain

## Plenary Lecturers

- L. Chamoin, INRIA, France
- P.G. Constantine, CSM, USA
- Y. Maday, LJLL UPMC, France
- G. Rozza, SISSA, Italy

## Scientific Committee

- Ph. Bouillard, Belgium
- F. Chinesta, France
- E. Cueto, Spain
- E. Florentin, France
- A. Huerta, Spain
- P. Ladevèze, France
- F. Larsson, Sweden
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- E. Rank, Germany
- J.J. Ródenas, Spain
- K. Runesson, Sweden
- J. Sarrate, Spain
- E. Stein, Germany

## Supporting Organisations

- European Community on Computational Methods in Applied Sciences (ECCOMAS)
- International Association for Computational Mechanics (IACM)
- Politecnico di Milano, Italy
- Universitat Politècnica de Catalunya, Spain
- CIMNE, Barcelona, Spain

## Important Dates

Deadline for presenting a one page abstract	January 13, 2017
Acceptance of the contributions	February 17, 2017
Deadline for early payment and for speaker registration(*)	March 24, 2017
Deadline for the extended abstract (not mandatory)	April 21, 2017

(\*) Speakers are required to register by March 24, 2017 to correctly finalize the program of the conference.

## Local Organizing Committee

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Eventimate

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