Marine 2017

15-17 May 2017, Nantes, France

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/marine2017

International Center for Numerical Methods in Engineering
CIMNE Congress Bureau
Campus Nord UPC, Building C3 - "Zona Comercial"
Jordi Girona, 1-3 (08034), Barcelona, Spain
Tel. +34 93 405 4696 / Fax +34 93 205 8347
marine@cimne.upc.edu

Location

Nantes, the largest city in Brittany (West France) is located on the Loire river, at the confluence with the Erdre and the Sèvre. Globally ranked for innovation in different sectors of the economy, it holds the title of European Green Capital.

Registration Fees

	Early Fees If paid by January 31th, 2017	Late Fees If paid after January 31th, 2017
Delegates	605 €	705 €
Students	475 €	555 €

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, lunches, reception and banquet.

Supporting Organizations:

- École Centrale de Nantes, (ECN), France
- International Center for Numerical Methods in Engineering (CIMNE), Spain
- European Community on Computational Methods in Applied Sciences (ECCOMAS)
- International Association for Computational Mechanics (IACM)

ECCOMAS and IACM Support

Marine 2017 is a Thematic Conference of the European Community in Computational Methods in Applied Sciences (ECCOMAS). www.eccomas.org

Marine 2017 is a Special Interest Conference of the International Association for Computational Mechanics (IACM). www.iacm.info

MARINE 2017

VII International Conference on Computational Methods in Marine Engineering

15–17 May 2017, Nantes, France

ECCOMAS Thematic Conference

iacm Special Interest Conference

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Objectives

The seventh Conference on Computational Methods in Marine Engineering (Marine 2017) will be organized in Nantes, France, on 15-17 May, 2017. The previous conferences of these series were held in Oslo (Norway) on 27-29 June 2005, in Barcelona (Spain) on 5-7 June 2007, in Trondheim (Norway) on 15-17 June 2009, in Lisbon (Portugal) on 28 – 30 September 2011, in Hamburg (Germany), on 29-31 May, 2013 and in Rome (Italy), on 15-17 June, 2015.

The objective of Marine 2017 is to be a meeting place for researchers developing computational methods and scientists and engineers focusing on challenging applications in marine engineering.

By marine engineering we include applications within the maritime and offshore industry as well as scientific and engineering challenges related to the marine environment. The conference goal is to make a step forward in the formulation and computational solution of marine engineering problems accounting for all the complex couplings involved in the physical description of the problems.

The conference topics will include: Ship hydrodynamics, Structural analysis of marine structures, Offshore structures, Sea-pipe mechanics, Advances in mechanical methods for marine engineering (new finite element, finite difference, finite volume and boundary element methods, particle methods, meshless methods, etc.), Computational environmental mechanics in marine problems, Algorithms for solving multidisciplinary problems in marine engineering, Marine engineering applications.

The conference is one of the Thematic Conference of the European Community on Computational Methods in Applied Sciences (ECCOMAS). It is also supported by other scientific organisations in Europe and worldwide including the International Association for Computational Mechanics (IACM).

Conference Organizers

Conference Chairmen

Michel Visonneau (Chair), École Centrale de Nantes (ECN), France

Patrick Queutey (Co-Chair), École Centrale de Nantes, (ECN), France

David Le Touzé (Co-Chair), École Centrale de Nantes, (ECN), France

Local Organizing Committee

Emmanuel Guilmineau , École Centrale de Nantes (ECN), France

Jeroen Wackers , École Centrale de Nantes (ECN), France

Elodie Lizé, École Centrale de Nantes (ECN), France

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Francesco Salvatore, CNR-INSEAN, Rome, Italy

Peter Wriggers, Leibniz University, Hannover, Germany

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- A. Papanikolaou, Greece
- D. Peri, Italy
- B. Pettersen, Norway
- H. Raven , The Netherlands
- R. Ribó, Spain
- R. Rolfes, Germany
- T. Rung, Germany
- A. Sánchez-Arcilla, Spain
- G. Sannino, Italy
- B. Servàn, Spain
- F. Stern, USA
- D. Straub, Germany
- B. Suárez, Spain
- T. Tezduyar, USA
- I. Tsukrov, USA
- G. Vaz, The Netherlands
- R. Verzicco, Italy
- J. Videman, Portugal
- F. Valdenazzi, Italy
- G. Vaz, The Netherlands

Conference Topics

Papers are welcomed in one of the following topics, listed in alphabetic order (the list is not exhaustive):

- Design and Optimization
- Experimental methods for validation
- Fire Mechanics
- Fluid-Structure Interaction
- Ice-ship/marine structure interaction
- Marine Renewable Energy
- Numerical Methods in CFD (including for instance, FiniteElement, Finite Difference, Finite Volume Particle-based methods, High-Order Methods, HPC, Uncertainty quantification,etc)
- Offshore
- Ship Hydrodynamics (including shallow water, maneuverability, slamming, sloshing, green water, cavitation, propulsion, seakeeping)
- Sport Engineering
- Structures and Composites

Important Dates

Deadline for presenting a one page abstract	October 14 , 2016
Acceptance of the contributions	November 18, 2016
Deadline for submitting the full paper (not mandatory), presenting author's registration(*) and early payment	January 31 , 2017

(*) Presenting authors are required to finalize their registration before January 31, 2017 in order to get the presentation included in the Conference Program.