

Marine 2011

28-30 September 2011, Lisbon, Portugal

Conference Secretariat

International Center for Numerical Methods
in Engineering (CIMNE)

CIMNE - Congress Management Department

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<http://congress.cimne.com/marine2011>



An ECCOMAS Thematic Conference

Marine 2011 is one of the Thematic Conferences of the European Community in Computational Methods in Applied Sciences (ECCOMAS). For further information on ECCOMAS visit:

www.eccomas.org

Marine 2011 is also an IACM Special Interest Conference. More information about IACM in: www.iacm.info

Registration Fees

The registration fees in euro, including social events, with early registration applicable if received before **May 15th, 2011** are:

	Early	Late
Delegates	490 €	590 €
Students	290 €	350 €

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

The delegate fees will include:

Conference Proceedings; Attendance at all scientific sessions;
Coffee breaks, reception and banquet.

Social Programme

A social programme for delegates will be arranged, including a reception and a banquet at a local place of interest, as well as a social programme for accompanying persons.

Accommodation

Block reservations at preference rates will be arranged by the organizers. Detailed information will be available on the Conference site.

Supporting Organisations

- European Community on Computational Methods in Applied Sciences (ECCOMAS)
- International Association for Computational Mechanics (IACM)
- International Center for Numerical Methods in Engineering (CIMNE)
- Universitat Politècnica de Catalunya
- Det Norske Veritas (DNV), Norway
- SINTEF, Norway
- Asociación de Ingenieros Navales y Oceánicos de España (AINE), Spain

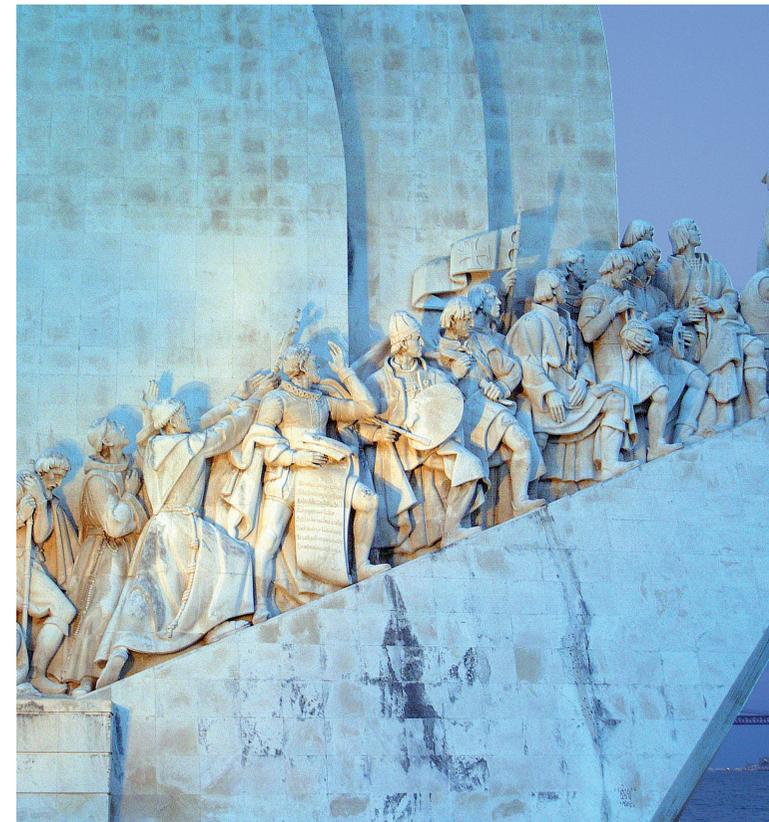


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IV International Conference on Computational Methods in Marine Engineering

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An IACM Special Interest Conference



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Objectives

The increasing activity worldwide in many areas of marine engineering has brought in the necessity of new ideas and methods which can effectively provide accurate numerical solutions in affordable times.

The objectives of the Marine 2011 conference are to present and discuss state of the art, mathematical models, numerical methods and computational techniques for solving problems in the field of marine engineering. Emphasis will be given to showing the potential of new computational methods for solving practical marine engineering problems of industrial interest.

The first edition of these series of conferences was held on 27-29 June 2005 in Oslo, Norway, the second one on 5-7 June 2007 in Barcelona, Spain and the third one on 15-17 June 2009 in Trondheim, Norway. These editions attracted some 100 participants.

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.

Conference Topics (the list is not exhaustive)

- Ship hydrodynamics
- Structural analysis of marine structures. Offshore structures
- Sea-pipes and anchoring systems mechanics
- Advances in numerical 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 multidisciplinary problems in marine engineering
- Vortex induced vibrations. Slamming. Sloshing. Green water
- Marine engineering applications
- Fluid structure interaction



Conference Chairmen

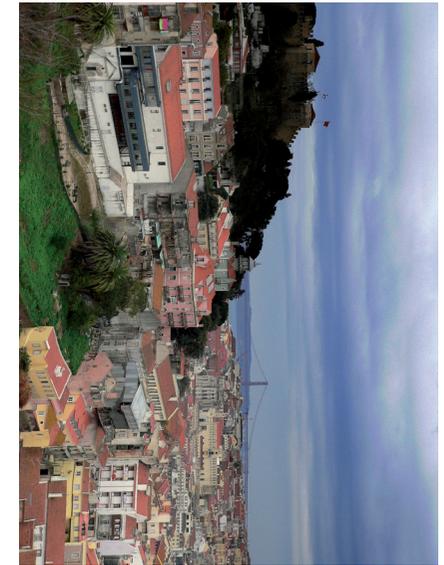
- L. Eça**, Lisbon Tech Univ-IST, Lisbon, Portugal
E. Oñate, CIMNE / UPC, Barcelona, Spain
J. García, Universitat Politècnica de Catalunya (UPC), Spain
T. Kvamsdal, NTNU, Norway
P. Bergan, Det Norske Veritas, Norway

Advisory Scientific Committee

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|--|---|
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| K.M. Mathisen , Norway | J. Videman , Portugal |
| J. Michopoulos , USA | M. Visonneau , France |
| T. Moan , Norway | T. Yao , Japan |

Important Dates

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| Deadline for presenting one page abstract | 16 January, 2011 |
| Acceptance of the contributions and instructions for writing the full paper | 1 March, 2011 |
| Deadline for submitting the full paper and early payment | 15 May, 2011 |



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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.

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