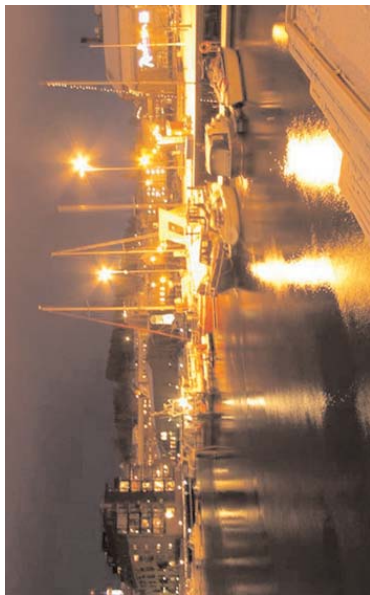


## Marine 2009

### Conference Secretariat

International Center for Numerical Methods in Engineering (CIMNE),  
Edificio C1, Campus Norte UPC,  
Gran Capitán s/n, 08034 Barcelona, Spain  
Phone +34 934017441 Fax +34 934016517  
marine@cimne.upc.es

<http://congress.cimne.upc.es/marine09>



Trondheim harbour

### Location

The conference will take place at Trondheim, Norway.

**About Trondheim** Founded in 997, by the viking king Olav Trygvason, Trondheim is today Norway's third largest city, and one of Europe's foremost centers of research and technology. With a rich history and cultural heritage, Trondheim has much to offer the visitor, from sports and entertainment to art galleries and shopping. Trondheim is also the ideal starting point for a journey to the midnight sun in the north, to the world famous fjords in the west, or to Oslo, the capital of Norway, in the south.

### Registration Fees

The registration fees, including social events, with early registration applicable if received before March 19 2009 are:

	(Euros)*	Early	Late
Delegates		490	590
Students		260	290

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

The 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), Spain
- The Norwegian University of Science and Technology (NTNU), Trondheim, Norway
- Universitat Politècnica de Catalunya, Spain
- Det Norske Veritas (DNV), Norway
- SINTEF, Norway
- Asociación de Ingenieros Navales y Oceánicos de España (AINE), Spain

### An ECCOMAS Thematic Conference

Marine Engineering 2009 is one of the Thematic Conferences of the European Community on Computational Methods in Applied Sciences (ECCOMAS) of ECCOMAS. For further information on ECCOMAS visit: [www.eccomas.org](http://www.eccomas.org)

Marine 2009 is also an IACM Special Interest Conference. More information about IACM in: [www.iacm.info](http://www.iacm.info)



## MARINE 2009

### III International Conference on Computational Methods in Marine Engineering

15-17 June 2009, Trondheim, Norway

An IACM Special Interest Conference



<http://congress.cimne.upc.es/marine09>

## 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 2009 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.

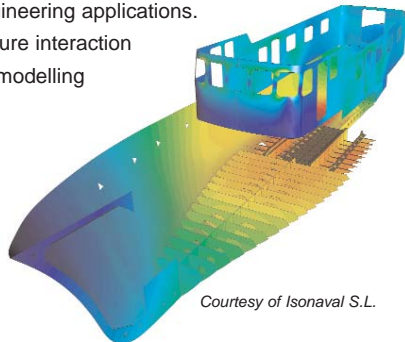
Previous editions of the conference were held in Oslo, Norway (2005) and Barcelona, Spain (2007) and attracted some 100 participants each.

The goal of Marine 2009 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

Papers are welcomed in one of the following 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
- Multiscale modelling



Courtesy of Isonaval S.L.

## Conference Chairmen

- T. Kvamsdal, NTNU, Norway
- P. Bergan, Det Norske Veritas, Norway
- E. Oñate, CIMNE / UPC, Barcelona, Spain
- J. García, Universitat Politècnica de Catalunya (UPC), Spain
- B. Pettersen, NTNU, Norway

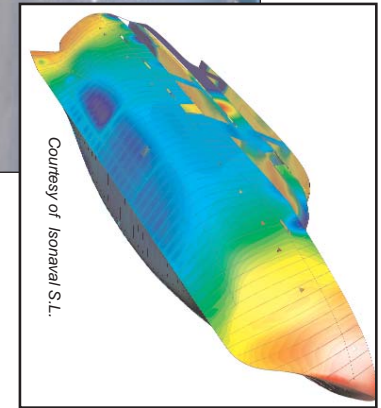
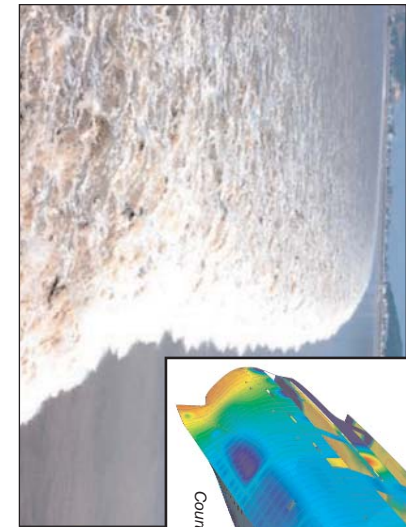
## Technical Advisory Panel

- |                               |                           |
|-------------------------------|---------------------------|
| J. Amdahl, Norway             | K.M. Mathisen, Norway     |
| C. Berggreen, Denmark         | J. Michopoulos, USA       |
| B. Cerup-Simonsen, Norway     | T. Moan, Norway           |
| L. Eça, Portugal              | A. Monferrer, Spain       |
| Ch. Farhat, USA               | A. Nestegard, Norway      |
| P. Ferrant, France            | F.G. Nielsen, Norway      |
| W. Fricke, Germany            | A. Papanikolaou, Greece   |
| P. Friis Hansen, Denmark      | R. Ribó, Spain            |
| J.M.R. Graham, UK             | A. Sánchez-Arcilla, Spain |
| R. Huijsmans, The Netherlands | H. Sierra, Spain          |
| S. Idelsohn, Spain            | A. Souto, Spain           |
| S. Lapique, Spain             | B. Suárez, Spain          |
| L. Larsson, Sweden            | T. Tezduyar, USA          |
| B. Leira, Norway              | A. Ulfvarson, Sweden      |
| R. Lohner, USA                | F. Valdenazzi, Italy      |
| M.A. Losada, Spain            | T. Yao, Japan             |



## Important Dates

- |  |                                |
|--|--------------------------------|
| Deadline for presenting one page abstract                                | <b>November 15, 2008</b>       |
| Acceptance of the paper and instruction for writing an extended abstract | <b>December 18, 2008</b>       |
| Deadline for submitting the extended abstract and early payment          | <b>February 27, 2009</b>       |
| Hotel booking  | available at the congress site |



Courtesy of Isonaval S.L.

## Marine 2009

### How to register and submit contributions

Authors are invited to submit individual contributions to any of the Congress topics listed in the Call for Contributions. Both, registration and submission of contributions, must be electronic and are available on the Congress site:

<http://congress.cimne.upc.es/marine09>