



DNV Headquarters, Oslo, Norway

Marine 2005

Conference Secretariat

International Center for Numerical Methods in Engineering (CIMNE),
Edificio C1, Campus Norte UPC,
Gran Capitán s/n, 08034 Barcelona, Spain
Phone +34 934-017441 Fax +34 934-016517
marine05@cimne.upc.es

<http://congress.cimne.upc.es/marine05>

Location

The conference will take place at the Headquarters of Det Norske Veritas (DNV) in Oslo. Oslo is a beautiful city with an interesting cultural heritage and excellent cuisine.

Registration Fees

The registration fees, including social events, with early registration applicable if received before 15 March 2005 are:

	(Euros)*	Early	Late
Delegates		350	400
Students		150	200

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 on the link "Accommodation".

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), Barcelona, Spain
- Universitat Politècnica de Catalunya, UPC, Spain
- Det Norske Veritas (DNV), Norway
- SINTEF, Norway

An ECCOMAS Thematic Conference

Marine Engineering 2005 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

Marine 2005 is also an IACM Special Interest Conference. More information about IACM in: www.iacm.info



MARINE 2005

Computational Methods in Marine Engineering

Oslo, Norway, 27-29 June, 2005

An IACM Special Interest Conference



<http://congress.cimne.upc.es/marine05>

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 2005 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 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

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



Conference Chairmen

- P. Bergan**, Det Norske Veritas, Norway
J. Garcia, Universitat Politècnica de Catalunya (UPC),
Barcelona, Spain
T. Kvamsdal, SINTEF, Norway
E. Oñate, CIMNE / UPC, Barcelona, Spain

Technical Advisory Panel

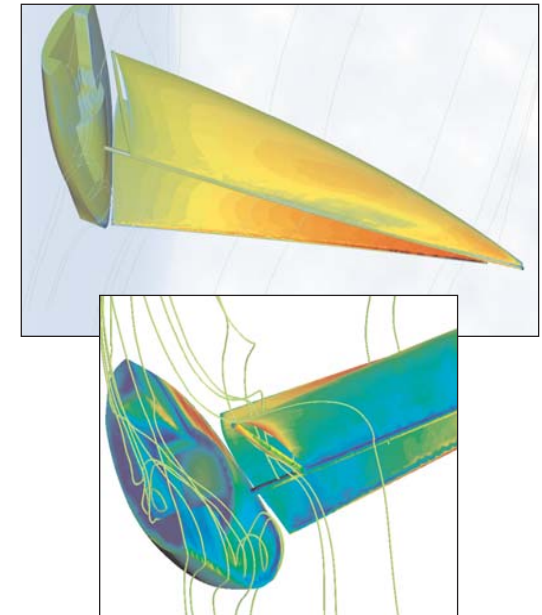
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|--|---|
| M.R. Chakkor , UPC, Spain | M.A. Losada , Univ. de Granada, Spain |
| B. Cerup-Simonsen , DNV, Norway | J.J. Maisonneuve , SIREHNA, France |
| J. Coello , COIN, Spain | K.M. Mathisen , NTNU, Norway |
| M. Ruiz Elvira , Nautatec, Spain | J. Michopoulos , NRL, USA |
| P. Gallagher , W. Atkins, U.K. | T. Moan , NTNU, Norway |
| P. Ferrante , Ecole Centrale Nantes, France | A. Monferrer , UPC, Spain |
| Ch. Farhat , Boulder Univ., USA | A. Nestegard , DNV, Norway |
| A. Frieze , PAFA Consulting, Denmark | B. Pettersen , NTNU, Norway |
| W. Fricke , TU Hamburg-Harburg, Germany | A.D. Papanikolaou , NTUA, Greece |
| P. Friis Hansen , DTU, Denmark | A. Perez de Lucas , Izar, Spain |
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| T. Jastrzebski , Univ. of Szczecin, Poland | Y.-U. Wu , China Ship Scientific Research Center |
| R. Lohner , G. Mason Univ., USA | T. Yao , Osaka University, Japan |
| L. Larsson , Chalmers Univ., Sweden | O.C. Zienkiewicz , Univ. Swansea, UK |
| I. Losada , Univ. Cantabria, Spain | |



Important Dates

Deadline for presenting a one page abstract
Acceptance of the paper and instructions
Deadline for submitting the full paper
and for early payment

November 15, 2004
December 15, 2004
March 15, 2005



Marine 2005
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, should be electronic and are available on the Congress site:
<http://congress.cimne.upc.es/marine05>