

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 2007 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 and 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 Chairmen

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



Important Dates

- Deadline for presenting a one page abstract **December 10, 2006**
- Acceptance of the paper and instructions for writing an extended abstract **January 15, 2006**
- Deadline for submitting the full paper and for early payment **March 19, 2007**
- Booking of hotel accommodation **ASAP**

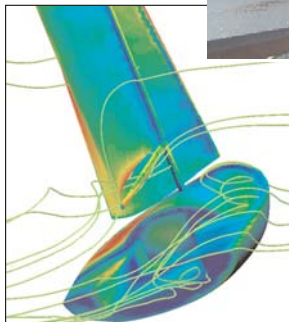
Conference Topics

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

Technical Advisory Panel

- P.W. Bearman**, UK
J. Coello, Spain
B. Cerup-Simonsen, Norway
P. Ferrant, France
P. Gallagher, U.K.
J.M.R. Graham, UK
K. Herfjord, Norway
S. Idelsohn, Spain
S. Lapique, Spain
L. Larsson, Sweden
R. Lohner, USA
I. Losada, Spain
K.M. Mathisen, Norway
J. Michopoulos, USA
J. Miquel Canet, Spain
T. Moan, Norway
A. Monferrer, Spain
- A. Nestegard**, Norway
J. Oriol, Spain
A. Pérez de Lucas, Spain
L. Pérez Rojas, Spain
J.E. Pérez García, Spain
B. Pettersen, Norway
R. Ribó, Spain
M. Ruiz Elvira, Spain
A. Sánchez-Arcilla, Spain
J.M. Sánchez-Carrión, Spain
H. Sierra, Spain
A. Souto, Spain
B. Suárez, Spain
A. Ulfvarson, Sweden
F. Valdenazzi, Italy
T. Yao, Japan



Marine 2007

Barcelona, Spain, 4-6 June, 2007

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.

<http://congress.cimne.upc.es/marine07>

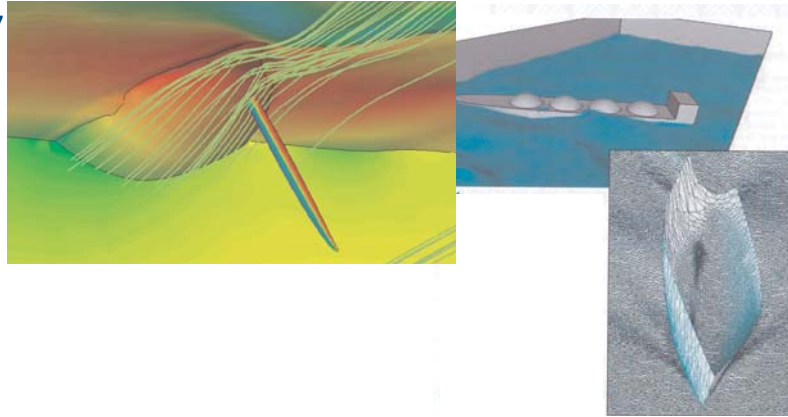


Marine 2007

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Conference Secretariat

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



An ECCOMAS Thematic Conference
Marine Engineering 2007 is one of the Thematic Conferences of the European Community on Computational Methods in Applied Sciences (ECCOMAS) www.eccomas.org (ECCOMAS) is also an IACM Special Interest Conference. More information about IACM in: www.iacm.info



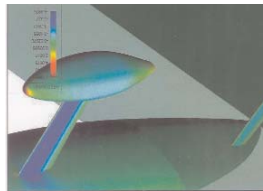
Social Programme
A social programme for delegates will be arranged, including a reception and a banquet at a local place of interest, as well as a social programme for accompanying persons.
Accommodation
Block reservations at preference rates will be arranged by the organizers. Detailed information will be available on the Conference site.

Delegates	480 €	250 €
Students	560 €	280 €
Late		

ECCOMAS members will have a 10% reduction on the delegates fees. The delegate fees will include: Conference Proceedings, reception and banquet.

Registration Fees
The registration fees (in Euro), including social events, with early registration applicable if received before March 19, 2007 are:
Location
The conference will take place at the Conference Hall of the School of Civil Engineering at the Technical University of Catalonia (UPC), Edificio C2, Gran Capitàn s/n, 08034 Barcelona.

- AGAUR, Agència de Gestió d'Ajuts
- Asociación de Ingenieros Navales, Spain
- SINTEF, Norway
- Det Norske Veritas (DNV), Norway
- UPC, Spain
- Universitat Politècnica de Catalunya, Barcelona, Spain
- (CIMNE), Barcelona, Spain
- International Center for Numerical Methods in Engineering
- International Association for Computational Mechanics (IACM)
- European Community on Computational Methods in Applied Sciences (ECCOMAS)



ECCOMAS
European Community on
Computational Methods in
Applied Sciences

Marine 2007

An IACM Special Interest Conference

Organisers:

International Center for Numerical
Methods in Engineering (CIMNE)
Barcelona, Spain

Det Norske Veritas (DNV),
Norway

Computational Methods in Marine Engineering

Barcelona, Spain, 4-6 June, 2007

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