Marie Ullnert/Mediabank Göteborg & Co

Location

Gothenburg (Göteborg) is the second-largest city in Sweden and the fifth-largest in the Nordic countries. Situated by Kattegat, on the west coast of Sweden, it is the core and growth engine of the Gothenburg region and Region Västra Götaland. It is home to a variety of strong industries and Scandinavia's largest port.

It has considerable appeal for tourists and locals alike. Neoclassical architecture lines its tram-rattled streets, hip pavement-side cafés hum with bonhomie, and there's always some cutting-edge art exhibition, shops rammed with fairtrade gear and architecture to grab your attention.

Registration Fees

	Early Fees If paid by February 7th, 2019	Late Fees If paid after February 7th, 2019
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

- Chalmers University, Sweden
- International Centre 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 2019 is a Thematic Conference of the European Community in Computational Methods in Applied Sciences (ECCOMAS).
www.eccomas.org

Marine 2019 is a Special Interest Conference of the International Association for Computational Mechanics (IACM).
www.iacm.info

MARINE 2019

VIII International Conference on Computational Methods in Marine Engineering

13-15 May 2019, Göteborg, Sweden

ECCOMAS Thematic Conference

iacm Special Interest Conference

http://congress.cimne.com/marine2019

Objectives

The eight Conference on Computational Methods in Marine Engineering (Marine 2019) will be organized in Gothenburg, Sweden, on 13-15 May, 2019. 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, in Rome (Italy), on 15-17 June, 2015 and in Nantes (France) on 15-17 May 2017

The objective of Marine 2019 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 Conferences of the European Community on Computational Methods in Applied Sciences (ECCOMAS) and a Special Interest Conference of the International Association for Computational Mechanics (IACM). It is also supported by other scientific organizations in Europe and worldwide.

Frida Winter/Mediabank Göteborg & Co

Conference Organizers

Conference Chairmen

Rickard Bensow (Chair), Chalmers University of Technology, Sweden

Jonas Ringsberg, Chalmers University of Technology, Sweden

Steering Committee

Pål G. Bergan, NTNU Norway/KAIST, Republic of Korea

Birgitt Brinkmann, Leuphana University, Lueneburg, Germany

Luis Eça, Lisbon Tech Univ-IST, Lisbon, Portugal

Julio García, CIMNE/Universitat Politècnica de Catalunya, Barcelona, Spain

Trond Kvamsdal, NTNU, Norway

Eugenio Oñate, CIMNE / Universitat Politècnica de Catalunya, Barcelona, Spain

Francesco Salvatore, CNR-INSEAN, Rome, Italy

Michel Visonneau, Central Nantes (CN), France

Peter Wriggers, Leibniz University, Hannover, Germany

Scientific Committee

- M. Abdel-Maksoud, Germany
- Y. Bazilevs, USA
- E.F. Campana, Italy
- P. Carrica, USA
- M. Diez, Italy
- A. Drach, USA
- A. Düster, Germany
- B. El Moctar, Germany
- S. Ehlers, Germany
- J. A. Falcão de Campos, Portugal
- C. Farhat, USA
- S. Fu, China
- M. Fujikubo, Japan
- C. Fureby, Sweden
- E. Guilmineau, France
- T. Hino, Japan
- C. Hirsch, Belgium
- T. Hughes, USA
- Z. Hu, UK
- A. Iafrati, Italy
- S. Idelsohn, Spain
- L. Imas, Usa
- C. Jahn, Germany
- L. Larsson, Sweden
- D. Le Touzé, France
- M.Liefvendahl, Sweden
- R. Löhner, USA
- Y.M. Low, Singapore
- J. Michopoulos, USA

- K.M. Mathisen, Norway
- H. G. Matthies, Germany
- V. Nava, Spain
- D. Norrison, Australia
- J. K. Paik, Republic of Korea/UK
- A. Papanikolaou, Greece
- B. Pettersen, Norway
- P. Queutey, France
- H. Raven , The Netherlands
- S. H. Rhee, Republic of Korea
- R. Ribó, Spain
- J.-M. Rousset, France
- T. Rung, Germany
- A. Sánchez-Arcilla, Spain
- G. Sannino, Italy
- B. Servàn, Spain
- A. Souto-Iglesias, Spain
- F. Stern, USA
- D. Straub, Germany
- B. Suárez, Spain
- T. Tezduyar, USA
- I. Tsukrov, USA
- F. Valdenazzi, Italy
- G. Vaz, The Netherlands
- R. Verzicco, Italy
- D. Wan, China
- J. Videman, Portugal

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	December 15th, 2018
Acceptance of the contributions	January 25th, 2019
Deadline for submitting the full paper (not mandatory)	March 1st, 2019

Presenting authors are required to finalize their registration before February 7th, 2019 in order to get the presentation included in the Conference Program.

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