

Coupled Problems 2017

12-14 June 2017, Rhodes Island, Greece

How to register and submit contributions

Authors are invited to submit individual contributions on any of the conference topics. Submissions and conference registration should be performed electronically via the conference website:

<http://congress.cimne.com/coupled2017>



International Center for Numerical Methods in Engineering

CIMNE Congress Bureau

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Location

The island of Rhodes (Rodos) is the largest and most historically important island in the Dodecanese (literally "twelve islands"), a group of 12 large and 150 smaller Greek islands in the Aegean Sea. They have a rich history, and Byzantine churches and medieval castles remain even in the smallest inhabited islands. Rhodes is located at the crossroads of two major sea routes of the Mediterranean between the Aegean Sea and the coast of the Middle East, as well as Cyprus and Egypt. The meeting point of three continents, it has known many civilizations.

Preliminary Registration Fees

	Early Fees If paid by February 15, 2017	Late Fees If paid after February 15, 2017
Delegates	550 €	650 €
Students	410 €	490 €

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, reception and banquet.

Supporting Organizations:

- National Technical University of Athens, Greece
- International Center for Numerical Methods in Engineering (CIMNE), Barcelona, Spain
- Department of Civil, Environmental and Architectural Engineering (DICEA) of the University of Padova, Italy
- European Community on Computational Methods in Applied Sciences (ECCOMAS)
- International Association for Computational Mechanics (IACM)
- Universitat Politècnica de Catalunya (UPC), Barcelona, Spain

ECCOMAS and IACM Support

Coupled Problems 2017 is a Thematic Conference of the European Community in Computational Methods in Applied Sciences (ECCOMAS),
www.eccomas.org

Coupled Problems 2017 is a Special Interest Conference of the International Association for Computational Mechanics (IACM)
www.iacm.info



COUPLED PROBLEMS 2017

VII International Conference on Coupled Problems in Science and Engineering

12-14 June 2017, Rhodes Island, Greece



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<http://congress.cimne.com/coupled2017>

Objectives

The seventh edition of the International Conference on Computational Methods for Coupled Problems in Science and Engineering (COUPLED PROBLEMS 2017) will be organised on 12-14 June 2017 in Rhodes Island (Greece).

The previous six editions of this conference were held on the islands of Santorini (Greece) on 25-28 May 2005, Ibiza (Spain) on 21-23 May 2007, Ischia (Italy) on 8-11 June 2009, Kos (Greece) on 20-22 June 2011, Ibiza (Spain) on 17 – 19 June 2013, and San Servolo, Venice, Italy on May 18-20, 2015.

The objectives of COUPLED PROBLEMS 2017 are to present and discuss state of the art, mathematical models, numerical methods and computational techniques for solving coupling problems of multidisciplinary character in science and engineering. The conference goal is to make step forward in the formulation and solution of real life problems with a multidisciplinary vision, accounting for all the complex couplings involved in the physical description of the problem.

The conference will be included as one of the Thematic Conference of the European Community on Computational Methods in Applied Sciences (ECCOMAS) and an Special Interest Conference of the International Association for Computational Mechanics (IACM). It will also be supported by other scientific organizations in Europe and worldwide.

Conference Organizers

Manolis Papadarakis, Institute of Structural Analysis & Antiseismic Research, National Technical University of Athens, Greece

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

Bernhard A. Schrefler, Department of Civil, Environmental and Architectural Engineering, Università degli Studi di Padova, Italy

Scientific Committee

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- K. Maute, USA
- M. Mehl, Germany
- R. Müller, Germany
- R. Mundani, Germany
- F. Navarrina, Spain
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- E. Ramm, Germany
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- A. Rodriguez-Ferran, Spain
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- R. Rossi, Spain
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- T. Tezduyar, USA
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- W. Wall, Germany
- N-E. Wiberg, Sweden
- P. Wriggers, Germany
- C. Wu, UK
- R. Wüchner, Germany
- G. Yagawa, Japan
- Z. Yosibash, Israel
- Y. Zhang, USA

Conference Topics

The conference topics will include (the list is not exhaustive):

- Aeroelasticity
- Applications of Coupled Problems
- Coupled Problems in Bio-Medicine
- Coupled Problems in Electro-Magnetics
- Coupled Problems in Fluid-Structure Interaction
- Coupled Problems in Geomechanics
- Coupled Problems in Thermo-Mechanics
- Coupled Solution Strategies
- Design Optimization and Control
- High Performance Computing
- Loose and Strong Coupling in FSI Problems
- Mathematical Formulation of Coupled Problems
- Multiphysics Problems
- Multiscale Problems
- Numerical Methods in Coupled Problems. *Finite Difference, Meshless Methods, Particle Methods, etc.*
- Thermo-Hydrodynamic Problems

Important Dates

Deadline for presenting a one page abstract	October 31, 2016
Acceptance of the contributions	November 30, 2016
Deadline for submitting the full paper (not mandatory), presenting author's registration(*) and early payment	February 15, 2017

(*) Presenting authors are required to finalize their registration before February 15, 2017 in order to get the presentation included in the Conference Program.

