

An ECCOMAS Thematic Conference

COMPdyn 2011 is one of the Thematic Conferences of the European Community on Computational Methods in Applied Sciences (ECCOMAS) www.eccomas.org and a Special Interest Conference of the International Association for Computational Mechanics (IACM) www.iacm.info. It has also been promoted by the European Committee on Computational Solids and Structural Mechanics (ECCSSM) of ECCOMAS.

Supporting Organizations

- European Committee of Computational Solids and Structural Mechanics of ECCOMAS (ECCSSM)
- European Association for Structural Dynamics (EASD)
- European Association for Earthquake Engineering (EAEE)
- Greek Association for Computational Mechanics (GRACM)
- National Technical University of Athens, Greece
- John Argyris Foundation

Registration Fees

The registration fees, with early registration applicable if received before 28 February 2011, are:

| | Early | Late |
|-----------|-------|------|
| Delegates | 490€ | 590€ |
| Students | 290€ | 350€ |

The delegates fees will include: Conference Proceedings, attendance at all scientific sessions, coffee breaks, reception and banquet.

Social Programme

The social programme for delegates will include a reception and a banquet at a local place of interest. The social programme will not be included in the reduced student fee.

Accompanying Persons Programme

The accompanying persons programme features a full-day excursion to the magnificent city of Corfu and other sites of interest on the island.

COMPdyn 2011
25-28 May 2011, Corfu, Greece

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 online via the conference web site (<http://www.compdyn2011.org>) from the "Authors Area" and "Registration" menu correspondingly.



Thematic Conference

COMPdyn 2011

3rd International Conference on
Computational Methods in
Structural Dynamics and
Earthquake Engineering

25-28 May 2011, Corfu, Greece

An IACM Special Interest Conference



www.compdyn2011.org

Objectives

The increasing necessity to solve complex problems in Structural Dynamics and Earthquake Engineering requires the development of new ideas and innovative methods for providing accurate numerical solutions in affordable computing times.

The purpose of the Conference is to bring together the scientific communities of Computational Mechanics, Structural Dynamics and Earthquake Engineering in an effort to facilitate the exchange of ideas in topics of mutual interests and to serve as a platform for establishing links between research groups with complementary activities. The communities of Structural Dynamics and Earthquake Engineering will benefit from this interaction, acquainting them with advanced computational methods and software tools which can highly assist in tackling complex problems in dynamic/seismic analysis and design, while also giving the Computational Mechanics community the opportunity to become more familiar with very important application areas of great social interest.

Conference Topics

The conference topics will include (the list is indicative):

- Numerical simulation methods for dynamic problems
- Nonlinear dynamics
- Solution strategies for dynamic equations
- Soft computing applications
- Optimum design in structural dynamics and earthquake engineering
- Parallel and distributed computing – Grid computing technologies
- Soil dynamics
- Geotechnical Earthquake Engineering
- Soil-structure interaction
- Dynamics of coupled problems
- Dynamics of micro and macro systems
- Impact dynamics
- Multi-scale dynamics
- Stochastic dynamics
- Reliability of dynamic systems
- Seismic risk and reliability analysis
- Constitutive modelling under earthquake loading
- Seismic isolation
- Repair and retrofit of structures
- Structural acoustics and vibro-acoustics
- Sound and Vibration
- Aeroelasticity
- Wave propagation
- Algorithms for structural health monitoring
- Inverse problems in structural dynamics

Location

The conference will take place on the historic island of Corfu, Greece. Corfu is considered one of the most beautiful islands of Greece that mixes the archaeological and historical interest with the cosmopolitan way of life, as well as, the natural beauty and distinctive architecture, the pleasant climate and its excellent cuisine. The various traditional, cultural, scenic features of Rhodes combined with its rich legacy in archaeological and historical treasures, constitute along with the unique character and traditions of the local people, an unforgettable place for recreation and travel.

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N. Wiberg, Sweden

Important Dates

Deadline for presenting one page abstract: **15 October 2010**
Acceptance of the paper: **31 December 2010**
Deadline for submitting the final contribution and early payment: **21 February 2011**

Accommodation



Block reservations at reduced rates have been arranged at the conference hotel **Corfu Holiday Palace** and at a number of hotels conveniently located in the vicinity of the conference location. Information on these hotels and their rates are available at the Conference website.

Conference Secretariat

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