

# COMPDYN 2007

13-15 June 2007, Rethymno, Crete, Greece

## How to register and submit contributions

Authors are invited to submit their contributions on any of the conference topics. Submission of abstracts and papers should be performed electronically via the conference website:

<http://www.eng.ucy.ac.cy/compdyn2007>



## An ECCOMAS Thematic Conference

COMPDYN 2007 is one of the Thematic Conferences of the European Community on Computational Methods in Applied Sciences (ECCOMAS), it has been promoted by the European Committee in Solids and Structural Mechanics (ECSSM) of ECCOMAS and is an IACM Special Interest Conference. For further information on ECCOMAS and IACM visit: [www.eccomas.org](http://www.eccomas.org), [www.iacm.info](http://www.iacm.info).

The COMPDYN 2007 conference is organized under the auspices of:

- International Association for Computational Mechanics (IACM)
- International Association for Earthquake Engineering (IAEE)
- European Association for Structural Dynamics (EASD)
- European Association for Earthquake Engineering (EAEE)

and is supported by:

- Greek Association for Computational Mechanics (GRACM)
- National Technical University of Athens, Greece
- University of Cyprus, Nicosia, Cyprus
- University of Thessaly, Volos, Greece
- Technical University of Crete, Chania, Greece

## Registration Fees

The registration fees, with early registration applicable if received before 28 February 2007, are:

	Early	Late
Delegates	450€	500€
Students	200€	250€

The fees will include: book of abstracts, CD-ROM with conference proceedings, attendance at all scientific sessions, coffee breaks and social programme.

## 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 south coast of Crete, as well as a number of guided tours in the city of Rethymno, the historic palace of Knossos and Iraklion's Archaeological Museum, one of the most interesting museums in the world.

ECCOMAS  
European Community on  
Computational Methods in  
Applied Sciences

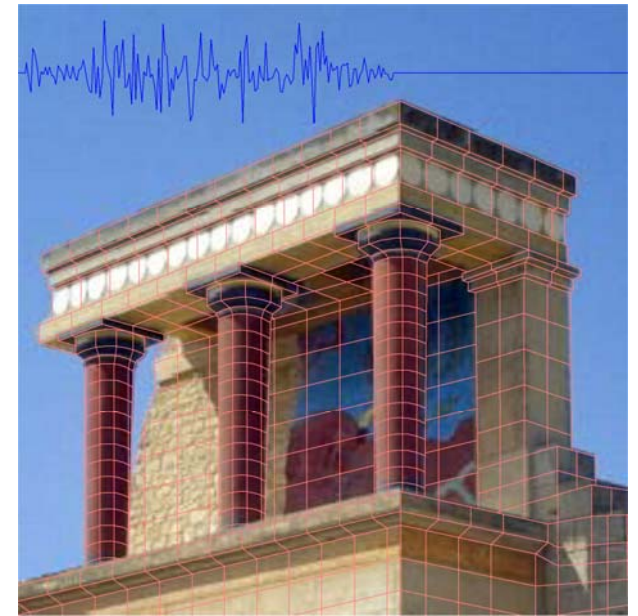


Thematic Conference

# COMPDYN 2007

## Computational Methods in Structural Dynamics and Earthquake Engineering

13-15 June 2007, Rethymno, Crete, Greece



<http://www.eng.ucy.ac.cy/compdyn2007>

## 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 impact.

## 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 in the town of Rethymno on the historic island of Crete, Greece. Prominent aspects of Rethymno are its natural beauty and distinctive architecture, the warm and dry climate and of course, its excellent cuisine. The landscape, with its alternating mountain ranges, valleys and beautiful shores on the one hand, and archeological sites and rich architecture (Byzantine, Venetian, Ottoman, Neo-Classical) on the other, constitute, along with the unique character and traditions of the local people, an unforgettable place for recreation and travel.

## Organizers

M. Papadrakakis (Chairman), National Technical University of Athens, Greece  
D.C. Charnpis, University of Cyprus, Nicosia, Cyprus  
N.D. Lagaros, University of Thessaly, Volos, Greece  
Y. Tsompanakis, Technical University of Crete, Chania, Greece

## International Advisory Board

F. Armero, USA	A. der Kiureghian, USA
J. Beck, USA	W.B. Krätzig, Germany
R.I. Borja, USA	H. Krawinkler, USA
C. Borri, Italy	S. Krenk, Denmark
C.L. Bottasso, Italy	P. Ladeveze, France
G.M. Calvi, Italy	K. Law, USA
A.K. Chopra, USA	P. Le Tallec, France
A. Combescurre, France	S.F. Masri, USA
J.P. Conte, USA	K. Meskouris, Germany
A. Elgamal, USA	E. Oñate, Spain
B.R. Ellingwood, USA	C. Pantelides, Cyprus
A.S. Elnashai, USA	E. Ramm, Germany
P. Fajfar, Slovenia	A.M. Reinhorn, USA
F.C. Filippou, USA	G. de Roeck, Belgium
D.M. Frangopol, USA	C. Sansour, UK
M.I. Friswell, UK	T. Sato, Japan
L. Gambarotta, Italy	W. Schiehlen, Germany
J. Ghaboussi, USA	B. Schrefler, Italy
O. Ghattas, USA	G.I. Schuëller, Austria
T.J.R. Hughes, USA	C. Soize, France
A. Ibrahimbegovic, France	E.D. Soteliño, USA
H. Jensen, Chile	E. Spacone, Italy
R.K. Kapania, USA	K.K. Tamma, USA
L. Katafygiotis, China	D. Vandepitte, Belgium
E. Kausel, USA	Y.K. Wen, USA
	N.E. Wiberg, Sweden

## National Advisory Board

S.A. Anagnostopoulos (Univ. Patras), I.E. Avramidis (Aristotle Univ. Thessaloniki), D.E. Beskos (Univ. Patras), M. Fardis (Univ. Patras), A. Kappos (Aristotle Univ. Thessaloniki), S.A. Karamanos (Univ. Thessaly), M. Kotsovos (Nat. Techn. Univ. Athens), A. Liolios (Democritus Univ. Thrace), G. Manolis (Aristotle Univ. Thessaloniki), C. Papadimitriou (Univ. Thessaly), C. Provdakis (Techn. Univ. Crete), J. Psycharis (Nat. Techn. Univ. Athens), C. Spiliopoulos (Nat. Techn. Univ. Athens), C. Spyarakos (Nat. Techn. Univ. Athens).

## Important Dates

Deadline for presenting one page abstract **15 October 2006**  
Acceptance of the paper **30 November 2006**  
Deadline for submitting the full paper and early payment **28 February 2007**

## Accommodation



Block reservations at reduced rates have been arranged at the conference hotel Rythimna Beach 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. Please note that all reservations should be addressed to the appointed travel agent:

### Kyriakakis Travel

Tel: +30 8210 27746, Fax: +30 8210 27707  
e-mail: kyrtravel@kyriakakis.gr

## Conference Secretariat

**Institute of Structural Analysis and Seismic Research**  
**National Technical University of Athens**  
**Zografou Campus, Athens 15780**  
**Greece**

**Tel.: +30 210 7721654, Fax: +30 210 7721693**  
**E-mail: compdyn2007@central.ntua.gr**  
**URL: <http://www.eng.ucy.ac.cy/compdyn2007>**