

# International Conference

Thessaloniki, Greece 12 - 16 July 2010

## Nonlinear Dynamics and Complexity:

Dedicated  
to the 60th birthday  
of Tassos Bountis



suations  
Theory, Methods and Applications

### Overview

The scope of this conference is to gather world-leading experts, as well as young scientists, in order to present current developments and discuss future perspectives on Nonlinear Dynamics and Complex Systems.

The conference will act as a catalyst for research in nonlinear dynamics and its applications, providing a venue for established scholars to interact - not only with each other, but also with the junior scholars that play an essential role now and in the years to come

### Topics

Chaos and Complexity in biological and physiological systems  
Celestial Mechanics and Stellar Dynamics  
Dynamical Systems: Analytical and Numerical Methods  
Electrical Circuits  
Nonlinear Hamiltonian Dynamics and Statistical Mechanics  
Nonlinear Waves, Discrete Breathers  
Soft Matter and Granular Materials  
Synchronization and Chaos Control

### Organizing Committee

Drossos L. (Messologhi)  
Koukouloyannis V. (Thessaloniki)  
Kugiumtzis D. (Thessaloniki)  
Kyprianidis I. (Thessaloniki)  
Meletlidou E. (Thessaloniki)  
Papaioannou G. (Athens)  
Rothos V.M. (Thessaloniki)  
Skokos Ch. (Dresden)  
Tsiganis K. (Thessaloniki)  
Voyatzis G. (Thessaloniki)

### Scientific Program Committee and Main Speakers

Bezerianos A. (Patras)  
Casati G. (Como)  
Chua L. (Berkeley)  
Contopoulos G. (Athens)  
Dvorak R. (Vienna)  
Flach S. (Dresden)  
Fokas A. (Cambridge, Athens)  
Grebogi C. (Aberdeen)  
Hadjidemetriou J. (Thessaloniki)  
Hizanidis K. (Athens)  
MacKay R. S. (Warwick)  
Nicolis G. (Brussels)  
Papageorgiou V. (Patras)  
Pnevmatikos S. (Patras)  
Politi A. (Florence)  
Provata A. (Athens)  
Robnik M. (Maribor)  
Rothos V. M. (Thessaloniki)  
Skokos Ch. (Dresden)  
Tsallis C. (Rio de Janeiro)  
Tsironis G. (Heraklion)  
Varvoglis Ch. (Thessaloniki)  
Vivaldi F. (London)  
Vlahos L. (Thessaloniki)  
Vrahatis M. N. (Patras)

<http://nonlinear.web.auth.gr/>

### Invited Speakers

Aifantis E. C. (Thessaloniki)  
Aubry S. (Paris)  
Baesens C. (Warwick)  
Basio V. (Brussels)  
\*Benettin G. (Padova)  
Chandre C. (Marseille)  
\*Geisel T. (Gottingen)  
Gilbert T. (Brussels)  
Kuipers J. (Regensburg)  
Leach P. (Nicosia)  
Mendonca J. T. (Lisbon)  
Mosekilde E. (Lyngby)  
Papaphilippou Y. (Geneva)  
Patsis P. (Athens)  
Prosen T. (Ljubljana)  
Ram A. (Cambridge, USA)  
Rotter S. (Vienna)  
Turchetti G. (Bologna)  
van der Weele J. (Patras)

### Contact information

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Contributed talks and posters are invited from all areas of dynamics and complex systems science.

Early registration deadline: 31 May 2010

Organized by



Aristotle University  
of Thessaloniki



University of Patras



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\*To be confirmed

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