



CHAOS 2011

4th Chaotic Modeling and Simulation International Conference

May 31 - June 3, 2011 Agios Nikolaos, Crete Greece

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Mathematics Faculty, Utrecht, The Netherlands

Conference Topics

1. Chaos and Nonlinear Dynamics
2. Stochastic Chaos
3. Chemical Chaos
4. Data Analysis and Chaos
5. Hydrodynamics, Turbulence and Plasmas
6. Optics and Chaos
7. Chaotic Oscillations and Circuits
8. Chaos in Climate Dynamics
9. Geophysical Flows
10. Biology and Chaos
11. Neurophysiology and Chaos
12. Hamiltonian Systems
13. Chaos in Astronomy and Astrophysics
14. Chaos and Solitons
15. Micro- and Nano- Electro-Mechanical Systems
16. Neural Networks
17. Chaos, Ecology and Economy



Conference Location : Agios Nikolaos, Crete Greece

Local Co-Organiser: **Yiannis Dimotikalis**
Technological Educational Institute of Crete, Agios Nikolaos Branch

International Scientific Committee

C. H. Skiadas (Technical University of Crete, Chania, Greece), Chair

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J. P. van der Weele (University of Patras, Greece)

M. Wiercigroch (University of Aberdeen, Aberdeen, Scotland, UK)

M. V. Zakrzhevsky (Institute of Mechanics, Riga Technical University, Latvia)

The Conference includes three types of presentations

Key Note Presentations on the main topics of the Conference selected by the Program Committee;

Contributed papers or posters proposed by authors;

Special Sessions or Workshops proposed from people working in a special topic of the chaotic field

Every Special Session includes 4-6 presentations. Two or more special sessions form a Workshop

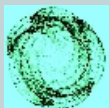
The session organizer is responsible for the selection and the review process of the papers of his session.

A collection of the best papers presented in the three previous CHAOS Conferences are included in the following books published by World Scientific

1. Topics on Chaotic Systems: Selected Papers from the CHAOS2008 International Conference, C. H. Skiadas et al. Eds, World Scientific, 2009.

2. Chaotic Systems: Theory and Applications, C. H. Skiadas and I. Dimotikalis, Eds, World Scientific, 2010.

3. Chaos Theory: Modeling, Simulation and Applications: Selected Papers from the CHAOS2010 International Conference, C. H. Skiadas et al. Eds, World Scientific, forthcoming.



Contact: Anthi Katsirikou
Conference Secretary
Email: secretariat@cmsim.org
Website: <http://www.cmsim.org>



Contact: Christos H. Skiadas
Director, Data Analysis and Forecasting Laboratory, Technical University of Crete
Email: skiadas@asmda.net