20th PANHELLENIC CONFERENCE - SUMMER SCHOOL

NONLINEAR SCIENCE AND COMPLEXITY

Patras, 19 - 29 July 2007

Complexity is a new field which grew out of our need to understand complex phenomena arising in difficult problems of Physical, Biological, Engineering and Social Sciences.

These problems concern systems which evolve in an **unpredictable manner in time,** while also characterized by highly **complicated structure in space.** Efforts to solve such problems led to the discovery of new analytical, numerical and experimental approaches and methods, comprising what is called Nonlinear Dynamics, the Theory of Chaos and Fractal Geometry.

In this meeting we will develop some of these topics in an educational manner and also present some of the most recent results in complex systems research.

Main Speakers

E. Aifantis	*Thessaloniki*	P.G.L. Leach	*Durban*
A. Bezerianos	*Patras*	B. Mulder	*Enschede*
L. O. Chua	*Berkeley*	S. Pnevmatikos	*Patras*
G. Contopoulos	*Athens*	A. Provata	*Athens*
R. Dvorak	*Wien*	A. Rauh	*Oldenburg*
S. Flach	*Dresden*	M. Robnik	*Maribor*
S. Farantos	*Heraclion*	K. Showalter	*W. Virginia*
P. Gaspard	*Brussels*	G. Tsironis	*Heraklion*
J. Hadjidemetriou	*Thessaloniki*	A. Vakakis	*Athens*
K. Hizanidis	*Athens*	J. P. v .d. Weele	*Patras*
S. Ichtiaroglou	*Thessaloniki*	L. Vlahos	*Thessaloniki*
C. Jung	*Cuernavaca*	M. Vrahatis	*Patras*

Scientific Organizing Committee

T. Bountis (Chairman)	Patras
S. Pnevmatikos	Patras
A. Provata	Athens
G. Tsironis	Heraclion
K. Hizanidis	Athens
L. Vlahos	Thessaloniki
S. Ichtiaroglou	Thessaloniki

Local Organizing Committee

T. Bountis
S. Pnevmatikos
A. Bezerianos
J. P. van der Weele
D. Ghikas
K. Papadakis
Ch. Skokos

Sponsors

More Information and Applications

T. Bountis, Director of Center for Research and Applications of Nonlinear Systems, Department of Mathematics, University of Patras, Patras, Greece 26500, Τηλ./Fax: 2610 - 997-381 **bountis@math.upatras.gr** **tassos50@otenet.gr**, **http://www.math.upatras/~crans**