

21ST CONFERENCE - SUMMER SCHOOL

NONLINEAR SCIENCE AND COMPLEXITY

Athens, July 21 - August 2, 2008

Complexity, or the "study of complex systems" has emerged as a new science - often called Nonlinear Science - from the need to understand complicated problems of the Natural and Social Sciences, Medicine and Engineering. These problems are characterized by **unpredictable time evolution and/or highly intricate spatial patterns**. Efforts to solve such problems have concentrated upon the use of analytical and numerical methods of **Nonlinear Dynamical Systems, Chaos Theory and Fractal Geometry**, which will be the main focus of the introductory lectures and research papers presented.

Organizing Scientific Committee:

A. Provata	<i>Athens</i>	K. Hizanidis (Chairman)	<i>Athens</i>
A. Vakakis	<i>Athens</i>	E. Floratos	<i>Athens</i>
K. Eftaxias	<i>Athens</i>	T. Bountis	<i>Patras</i>
L. Vlahos	<i>Thessaloniki</i>	G. Tsironis	<i>Heraclion</i>

Local Organizing Committee:

A. Provata, P. Katsaloulis, M. Axenides, I. Kominis, F. Diakonou, N. Efremidis, V. Rothos, Ch. Skokos

Invited Speakers:

U. Alon	<i>Rehovot</i>	K. Hizanidis	<i>Athens</i>
S. Bishop	<i>London</i>	C. Jung	<i>Cuernavaca</i>
M. Batty	<i>London</i>	I. Kevrekidis	<i>Princeton</i>
T. Bountis	<i>Patras</i>	P.G.L. Leach	<i>Durban</i>
L. O. Chua	<i>Berkeley</i>	R. S. MacKay	<i>Warwick</i>
G. Contopoulos	<i>Athens</i>	G. Nicolis	<i>Brussels</i>
R. Dvorak	<i>Wien</i>	J. Nicolis	<i>Athens</i>
K. Eftaxias	<i>Athens</i>	A. Provata	<i>Athens</i>
S. Farantos	<i>Heraclion</i>	M. Robnik	<i>Maribor</i>
S. Flach	<i>Dresden</i>	G. Tsironis	<i>Heraklion</i>
E. Floratos	<i>Athens</i>	A. Vakakis	<i>Athens</i>
A. S. Fokas	<i>Cambridge</i>	J. P. Van der Weele	<i>Patras</i>
C. Grebogi	<i>Aberdeen</i>	L. Vlahos	<i>Thessaloniki</i>
J. Hadjidemetriou	<i>Thessaloniki</i>	M. Vrahatis	<i>Patras</i>

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