

19th Panhellenic Conference / Summer School
NONLINEAR SCIENCE AND COMPLEXITY
Thessaloniki, July 10 – 22, 2006



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. These problems generally involve many coupled variables and are characterized by **unpredictable time evolution and/or highly intricate spatial patterns**. In recent years, efforts to solve such problems have concentrated upon the use of analytical and numerical methods of **Nonlinear Dynamical Systems, Chaos Theory and Fractal Geometry**.

Organizing Scientific Committee:

T. Bountis (Chairman)	<i>University of Patras</i>
E. Aifantis (Vice-Chairman)	<i>Aristotle University of Thessaloniki</i>
Sp. Pnevmatikos	<i>University of Patras</i>
K. Hizanidis	<i>National Technical University of Athens,</i>
L. Vlachos	<i>Aristotle University of Thessaloniki</i>
S. Ichtiaroglou	<i>Aristotle University of Thessaloniki</i>

Local Organizing Committee:

A. Konstantidis, E. Meletlidou, I. Kyprianidis, D. Kugiumtzis, V. Rothos, G. Voyatzis

Invited Speakers (Confirmed):

E. Aifantis	<i>Thessaloniki</i>	P. G. L. Leach	<i>Durban</i>
I. Antoniou	<i>Thessaloniki</i>	N. Lygeros	<i>Lyon</i>
A. Bezerianos	<i>Patras</i>	I. Nicolis	<i>Patras</i>
T. Bountis	<i>Patras</i>	S. Pnevmatikos	<i>Patras</i>
G. Contopoulos	<i>Athens</i>	A. Provata	<i>Athens</i>
R. Dvorak	<i>Wien</i>	M. Robnik	<i>Maribor</i>
J. Hadjidemetriou	<i>Thessaloniki</i>	G. Tsironis	<i>Heraklion</i>
K. Hizanidis	<i>Athens</i>	A. Vakakis	<i>Athens</i>
S. Ichtiaroglou	<i>Thessaloniki</i>	J. P. Van der Weele	<i>Patras</i>
C. Jung	<i>Cuernavaca</i>	L. Vlachos	<i>Thessaloniki</i>

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