



Conference: "Complex systems - from theory to applications"

Skopje, Macedonia, 7- 9 May 2007

Organized by

Macedonian Academy of Sciences and Arts – ICEIM
ONCE-CS Open Network of *Centers of Excellence* in Complex systems
Ministry of Education and Science of the Republic of Macedonia

Conference Agenda

Day 1, Monday, May 7th, 2007

Location: Macedonian Academy of Sciences and Arts

09:00 – 10:00	Registration
10:00 – 10:30	Opening of the conference
10:30 – 11:15	David Arrowsmith (Queen Mary, University of London, UK) " <i>Transport on congested networks</i> "
11:15 – 11:30	Coffee break
11:30 – 12:15	Eugenio Gutierrez Tenreiro (European Commission, Joint Research Centre, Italy) " <i>Modal analysis of weighted graphs</i> "
12:15 – 13:00	Gabor Vattay (Collegium Budapest and Eotvos University, Hungary) " <i>Complex Traffic in Internet: Theory and Experiments</i> "
13:00 – 15:00	Lunch
15:00 – 15:45	Juergen Kurths (Potsdam University, Germany) " <i>Synchronization in complex networks</i> "
15:45 – 16:30	Milan Rajkovic (Institut Vinca, Beograd, Srbija) " <i>Simplicial complexes as complex networks</i> "
16:30 – 17:00	Coffee break
17:00 -17:45	Marco Gilli (Politecnico di Torino, Italy) " <i>Complex dynamics, Information and Image Processing, in Bio-Inspired Nonlinear Oscillatory Networks</i> "
17:45 -	End of Day 1

Day 2, Tuesday, May 8th, 2007

Location: Macedonian Academy of Sciences and Arts

09:30 – 10:15	Ulrich Parlitz (University of Goettingen, Germany) <i>“Taming complex dynamics by time delays”</i>
10:15 – 11:00	Ljupco Pejov (University “Kiril i Metodij”, Macedonia) <i>“Understanding the dynamics of molecular switching phenomena”</i>
11:00 – 11:30	Coffee break
11:30-12:15	Visarath In (SPAWAR Systems Center, San Diego, USA) <i>“Coupling Induced Oscillations in Bistable Systems and Applications”</i>
12:15 – 13:00	Jose Amigo (Universidad Miguel Hernandez, Spain) <i>“Entropy and complexity”</i>
13:00 – 15:00	Lunch
15:00 – 15:45	Imre Kondor (Collegium Budapest and Eotvos University, Hungary) <i>“Critical phenomena in portfolio selection”</i>
15:45 – 16:30	Mustak E. Yalcin (Istanbul Technical University, Turkey) <i>“Generating Multi-scroll and Hypercube Attractors: An overview”</i>
16:30 – 17:00	Coffee break
17:00 – 17:45	Imre M. Janosi (Lorand Eotvos University Budapest, Hungary) <i>“Comprehensive analysis of the wind speed probability distribution over Europe”</i>
17:45 -	End of Day 2.