



**Complexity - And Interdisciplinary Perspective**  
**Jerusalem, March 27-29 2012**  
**Hebrew University,**  
**Bretter House, Edmond Safra Givat Ram Campus**  
**Racah Institute of Physics and**  
**COST Action "Physics of Competition and Conflicts"**

**March 27 Tuesday**

**08:50-09:00** Welcome Peter Richmond; S Solomon

**09:00-09:40** **Shahar Arzy, Hadassah HUI Hospital**

Neuropsychiatry –a complexity perspective:  
from brain micro states to emergent mind dynamics.

**09:40-10:20** **Thomas Penzel, Charite Berlin Medical U**

Computer brain communication ways to influence the  
sleep wake rhythm by electrical brain stimulation

**10:20-11:00** **Yoram Louzoun, Bar Ilan Univ**

Inherent Order in Networks

**11:00-11:20** **Break**

**11:20-11:50** **Serge Galam, CREA, Ecole Polytechnique, Paris**

The controversy about abnormal bee deaths  
in the daily press in France: a case study

**11:50-12:20** **Mor Nitzan, [Hebrew](#) University,**

Biological Networks

**12:20-14:00** **Lunch**

**14:00-14:40** **Eshel Ben Jacob, Tel Aviv University**

Early warning of financial tsunami in the global village

**14:40-15:20** **Michal Shur-Ofry, HUI**

Copyright, Complexity and Cultural Diversity

**15:20-16:00** **Scott Kirkpatrick, HUI**

K-Cores

## March 28 Wednesday

**09:00 -09:40 Michael Milakovic, Bamberg U**

On the empirical relevance of statistical equilibrium  
in economics

**09:40-10:20 Magda Fontana, University of Turin**

Empirical Evidence of Change in Economics:  
Scientific Interaction and Knowledge Diffusion

**10:20-11:00 Renaud Lambiotte, University of Namur**

A tale of many cities:  
universal patterns in human urban mobility

**11:00-11:20 Break**

**11:20-11:50 Panos Argyrakis, University of Thessaloniki**

Spreading of a financial crisis in the world

**11:50 -12:20 Armin Bunde, Giessen Univ**

Complex networks with spatial constraints

**Lunch 12:20-14:00**

**14:00-14:40 Shlomo Havlin, Bar-Ilan Univ**

The extreme vulnerability  
of interdependent networks

**14:40-15:20 Michael Golosovsky, HUI**

Citation dynamics of scientific papers as  
a self-exciting point process"

**15:20-16:00 Jacob Goldenberg, HUI**

Networks in Product Marketing

**Break 16:00-16:20**

**16:20-16:50 Giulia Rotundo, University of Tuscia**

Network analysis of the Italian Stock Market

**16:50-17:20 Vygintas Gontis, Vilnius University**

Agent-based Versus Macroscopic Modeling of Competition

## March 29 Thursday

**09:00- 09:40 Peter Richmond Dublin U**  
Dynamics of Real estate Markets

**09:40-10:20 Natasa Golo, Hebrew University**  
Complex Networks in Economic Systems

**10:20-11:00 Michael Danziger [Hebrew](#) University**  
Economic Development in Product Space

**11:00-11:20 Break**

**11:20-12:00 Guy Kelman Hebrew University**  
Measures of Economic Distress

**12:00-13:40 Lunch**

**13:40-14:20 Nurit Intrater, [Hebrew](#) University,**  
Music under Anesthesia

**14:20-15:00 Nadav Shnerb, [Bar-Ilan Univ](#)**  
You name it: baby names dynamics as a  
model system for social movements,  
community structure and species evolution.

15:00-16:00 General discussion