

**The First European PhD Complexity School:
Agent-Based Studies of Social, Economic and Industrial Systems**

April 10-14, 2007, ISI Foundation

Tuesday April 10th

8.30 – 9.00 Registration

9.00 – 9.15 Introduction

9.15 - 10.15

Zahia Guessoum, University of Paris 6, France, Computer Science
Self-Adaptive Multi-Agent Systems

10.15 – 11.15

Matteo Richiardi, University of Ancona, Italy, Economics
Introduction to Agent-based Computational Economics

11.15 – 11.45 Coffee break

11.45 – 12.45

Pietro Terna, University of Torino, Italy, Economics
Agent-based modelling - methodological issues

12.45 – 14.00 Lunch

14.00 – 15.00

Enrico Scalas, Università del Piemonte Orientale, Alessandria, Italy, Physics
Equilibrium in simple exchange games

15.00 – 16.00

Gerard Weisbuch, Ecole Normale Supérieure, Paris, Physics
Heterogeneity and increasing returns drive transitions in socio-economic systems

16.00 – 16.30 Coffee break

Wednesday April 11th

9.00 – 10.00

Mauro Gallegati, University of Ancona, Italy, Economics
Business fluctuations in an evolving network economy

10.00 – 11.00

Sorin Solomon, Hebrew University, Jerusalem, Israel & ISI Foundation, Physics
Autocatalytic stochastic processes and emergence of macroscopic growth

11.00 – 11.30 Coffee break

11.30 – 12.30

Ricardo Boero, University of Torino, Italy, Economics

An Agent-based Input Output Model: Methodological Key Issues and Main Outcomes of Its Application to the Economy of Piedmont

12.30 – 14.00 Lunch

14.00 – 15.00

Diana Mangalagiu, Reims Management School, France & ISI Foundation, Management and Organization Sciences

Corporate Social Responsibility: A Catalyst for Change in the Energy Sector

15.00 – 15.30 Coffee break

15.30 – 18.00 Showcase projects by students

Giancarlo Masetti, ISI Foundation, Turin, Italy
Ecological AB models

Yossi Arzouan, Bar Ilan University, Israel

Oded Ben-David, Hebrew University, Jerusalem, Israel

Wenjian Yu, Technical University, Dresden, Germany
Introduction to the Simulation of Pedestrian Flows

19.30 Social dinner

Thursday April 12th

9.00 – 10.00

Paolo Sospiro, University of Ancona, Italy, Development Economics

Migration development nexus: the case of Tunisian workers in Ancona

10.00 – 11.00

Andrei Taranu, SNSPA Bucharest, Romania, Political Sciences

The rise of neopopulism in Europe

11.00 – 11.30 Coffee break

11.30 – 12.30

Stefan Stanciugelu, SNSPA Bucharest, Romania, Political Sciences

EU versus Russia: Sun-Tzu's Techniques of Manipulation in the Cold War on Energy. Patterns of behaviour and manipulation strategies in the gas-oil conflict between

Russia and EU

12.30 – 14.00 Lunch

14.00 – 15.00

Gusztai Eiben, University of Amsterdam, Holand, Computer Science
Evolution, individual, and social learning in agent-based simulations
Sector

15.00 – 15.30 Coffee break

15.30 – 18.00 Showcase projects by students

Volker Nannen, University of Amsterdam & ISI Foundation
Policy Evaluation in Evolutionary Agent Based Economics

Yoshihiro NAKAJIMA, Osaka City University
Artificial Financial Market “U-Mart”

Alessandro N. Cappellini, ISI Foundation
A Regulatory Model in a Simulated Stock Market Volker

Friday April 13th

9.00 – 10.00

Jorgen Vitting-Andersen, University of Nice, France, Physics
Physics applied to phenomena reported in behavioral finance

10.00 – 11.00

David Bree, University of Manchester, UK & ISI Foundation, Artificial Intelligence
Can you believe it!?

11.00 – 11.30 Coffee break

11.30 – 12.30

Ted Theodosopoulos, IKOS Research, Brighton, UK, Decision Sciences
Elements of a theory for imbalance dynamics

12.30 – 14.00 Lunch

14.00 – 15.00

Damien Challet, ISI Foundation, Turin, Italy, Physics
Minority games: where to find them and how to solve them

15.00 – 15.30 Coffee break

15.30 – 18.00 Showcase projects by students

Gur Yaari, Hebrew University, Jerusalem, Israel & ISI Foundation
Microscopic Study of (Economic) Growth

Paolo Laureti, Interdisciplinary Physics, University of Fribourg, Switzerland

Bence Tóth, ISI Foundation
The Epps effect - a short overview

Saturday April 14th

9.00 – 10.00

Ugo Merlone

University of Torino, Italy

Mathematics applied to Economics

Leadership emergence in teams. Some evidence combining experimental and computational approaches.

10.00 – 11.00

Marco Lamieri, University of Torino, Italy, Economics

Organizational routines and near decomposability in hierarchical structures: an agent based approach

11.00 – 11.30 Coffee break

11.30 – 13.30 Conclusions and open issues

13.30 – 14.30 Lunch