

Complexity, Mathematics and Socio-Economic Problems

September 1 - 11, 2009

Program (updated Aug. 24)

First week – Presentations

Monday, Aug. 31	around 16:00	Arrival of the participants Informal get-together at the ZiF
Tuesday, Sept 1	9:15	Welcome Address by Britta Padberg, executive secretary of the ZiF Workshop Opening
	9:30-10:30	F. Schweitzer: Mechanisms of systemic risk: Contagion, reinforcement, redistribution
	10:30-11:00	- <i>coffee break</i> -
	11:00-12:00	E. Brian: Market uncertainties and agent expectations
	14:30-15:30	R. Vilela Mendes: Cooperation, punishment, emergence of government and the tragedy of authorities
	15:30-16:00	- <i>coffee break</i> -
	16:00-17:00	D. Volchenkov: First encounters in urban spatial networks and beyond
	17:00-18:00	R. Lima: Gene networks, models for a dynamical collective self regulation

Wednesday, Sept. 2	9:30-10:30	R. Mantegna: Specialization, strategic and herding behavior of market members in a financial market
	10:30-11:00	- <i>coffee break</i> -
	11:00-12:00	F. Riedel: Robust optimal stopping in continuous time
	14:30-15:30	M. Pichler: Cultural formation of preferences and endogenous cultural distance
	15:30-16:00	- <i>coffee break</i> -
	16:00-17:00	J.M. Castro Caldas: Rival visions on collective actions
Thursday, Sept. 3	9:30-10:30	M. Ausloos: Community extraction through network structural analysis
	10:30-11:00	- <i>coffee break</i> -
	11:00-12:00	G. Weisbuch: Ambient assisted living: the challenges and a complex systems answer
	14:30-15:30	L. Orsenigo: History friendly models of industrial evolution
	15:30-16:00	- <i>coffee break</i> -
	16:00-17:00	L. Streit: NETZCOPE - a tool to analyze and display complex R&D collaboration networks
Friday, Sept. 4	9:30-10:30	T. Araújo: Innovation and structural change
	10:30-11:00	- <i>coffee break</i> -
	11:00-12:00	Sven Banisch: Opinion Dynamics and communication networks

Second week - Working sections and collaborative work

Monday, Sept. 7	morning	R. Vilela Mendes: Stochastic volatility: models and questions
	afternoon	W. Trockel: Core-equivalence for the Nash Bargaining solution
Tuesday, Sept. 8	morning	L. Marengo: Social choice on complex objects
	afternoon	T. Araujo: A self-organizing agent model
Wednesday, Sept. 9	morning	F. Herzberg: Microfoundations for the representative agent: An application of model theory to Arrowian social choice theory
Thursday, Sep.10	morning	R. Marques: Haunted by Tarde's ghost: Paradoxes, social logic, reciprocity, and complexity
Friday, Sept. 11	morning	M. Röckner: A new look at Fokker-Planck equations and their relevance in describing stochastic dynamics

Participants and duration of stay

1. T. V. De Araújo (30.08.-13.09.)
2. L. Streit (30.08.-13.09.)
3. R. Vilela Mendes(30.08.-13.09.)
4. M. Ausloos (2.-6.09.)
5. S. Banisch (31.08.-12.09.)
6. Ph. Blanchard (31.08.-4.09)
7. E. Brian (31.08.-4.09.)
8. J. Castro Caldas (30.08.-13.09.)
9. H. Dawid (31.08.-12.09.)
10. S. Eleuterio (30.08.-13.09.)
11. F. Herzberg (7. -11.09.)
12. Y. Kondratiev
13. R. Lima (30.08.-12.09.)
14. R. Mantegna (1.-4.09.)
15. L. Marengo (6.-12.09.)
16. R. Marquez (6.-12.09.)
17. L. Orsenigo (1.-4.09.)
18. F. Riedel (31.08.-11.09.)
19. M. Pichler (30.08.-12.09.)
20. M. Röckner (7.-11.09.)
21. F. Schweitzer (31.08.-2.09.)
22. W. Trockel (7.-12.09.)
23. D. Volchenkov (31.08.-12.09.)
24. G. Weisbuch (30.08.-5.09.)