IWcee14 - International Workshop on Computational Economics and Econometrics
The Socio-Economics of Networks: Theory and Applications
Program

Day 1 – June 26	Plenary Session – Networks (room: Issirfa)

8.45 - 9.00   **Welcome address**

9.00-10.00   **"Dynamic Innovation Networks and Innovation Strategies", by Mauro Gallegati and Stefania Vitali**

10.00-10.30   **"The economics of complexity", by Luciano Pietronero**

10.30-11.00   The effect of R&D policies in networks: "R&Dsimulab" in action
Angelini; Cecconi; Cerulli; Miceli; Potì

11.00-11.30   **Coffee break**

Parallel Sessions	
Networks (room: Issirfa, chairman: Gallegati)	*Networks* (room: Bisogno, chairman: Vitali)

11.30-12.00	Weighted networks and centrality in the analysis of cartels *Grau; Cuerdo Mir*	Influence games on complex networks *Sellitto*
12.30-13.00	The role of foreign-trained PhDs in academic upgrading in the developing world *Barnard; Cowan; Müller*	The emergence of choreography in inter-organizational innovation networks *Ferraro; Iovanella*
13.00-13.30	Quantifying pyramids *Boutchkova*	Do neighbours matter? Spillovers in the euro area money market network during the financial crisis *Rünstler*

13.30-14.30   **Lunch**

	Parallel Sessions	

	Economics (room: Issirfa, chairman: Baum)	*Networks* (room: Bisogno, chairman: Potì)
14.30-15.00	Firms in input and output networks *Miceli*	The relationship between ranking and research performance *Falavigna; Manello*
15.00-15.30	Social networks, optimal influence strategies and product market competition *Bilanakos; Georgoula; Giaglis*	Data mining in social networks for financial crime detection *Frunza*
15.30-16.00	General-purpose capabilities as drivers of product diversification: a simulation model *Capone; Boschma*	The power law distributions describing non-equilibrium dynamic systems *Giuffrida*
16.00-16.30	**Coffee break**	**Coffee break**
16.30-17.00	Dynamic aggregation of heterogeneous interacting agents and network *Di Guilmi; Gallegati; Landini; Stiglitz*	Simulated consumer networks *Pereira*
17.00-17.30	Analytical chronicle of an announced recession: heterogeneous interactive agents in a financially fragile economy *Chiarella; Di Guilmi; Gallegati; Landini*	A numerical estimation method for discrete choice models with non-linear externalities *Bottazzi; Gragnolati; Vanni*

	Plenary Session (room: Issirfa, chairman: Cerulli)	

17.30-18.30	**"A general approach to testing for autocorrelation", by Christopher Baum**
20.30	**Social dinner**

9.00-10.00   **"Using Bayesian structural equation models to synthesize diverse information sources", by Robert Grant**

10.00-10.30   Exponential Random Graph Modeling for the determinants of
academic patent affiliation networks

Angelini; Guarascio; Potì

10.30-11.00   Knowledge spillovers through inventors' networks
Zacchia

11.00-11.30   Coffee break

11.30-12.00   Topological analysis of migration flows: the case of political
refugees
Guarascio F.

12.30-13.00   A network science approach to analyse Inter-organizational Innovation networks
Ferraro; Iovanella

13.00-13.30   Homophily and cross cutting ties in social networks' formation
Inguaggiato

13.30-14.30   Lunch

	Parallel Sessions	
	Agent-based models (room: Issirfa, chairman: Grant)	*Economics* (room: Bisogno, chairman: Miceli)
14.30-15.00	Why the rich become richer: insights from an agent-based model *Chen; Desiderio*	Identification and estimation of outcome response with heterogeneous treatment externalities *Arduini; Patacchini; Rainone*
15.00-15.30	Chartists and fundamentalists in an agent based herding model *Masmoudi*	Evaluating locally-based policies in the presence of neighbourhood effects *Cerulli; Gabriele; Tundis*
15.30-16.00	Are factor flows complements? A theoretically funded agent-based model *Marchal; Naiditch*	The role of personal networks for the labor insertion of weak jobseekers *Ragazzi; Santanera; Sella*
16.00-16.30	**Coffee break**	**Coffee break**
16.30-17.00	Financial regulation in an agent based macroeconomic model *Riccetti; Russo; Gallegati*	Factor Augmented Bridge Models (FABM) and soft indicators to forecast Italian industrial production *Girardi; Guardabascio; Ventura*
17.00-17.15	**Farewell**	

Invited speakers:

Prof. Christopher F Baum
Professor of Economics and Social Work
DIW Research Professor, Deutsches Institut für Wirtschaftforschung
Department of Economics
Boston College

Dr. Robert Grant
Faculty of Health, Social Care and Education
Kingston University & St George's, University of London

Prof. Mauro Gallegati
Università Politecnica delle Marche

Dr. Stefania Vitali
Università Politecnica delle Marche

Prof. Luciano Pietronero
University of Rome "La Sapienza",
Physics Department
Director of the Institute of Complex Systems, CNR

Local organizers:

Dr. Giovanni Cerulli
CERIS-CNR, Institute for Economic Research on Firms and growth
National Research Council of Italy

Dr. Roberto Gabriele
Department of Economics and Management
University of Trento

Organizing staff:
Daniela Girone
Francesca Ceccucci
Francesca Zanier

Sponsor:
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