

Simona Cantono

Dr. in Economics, with experience in academic research and teaching, specialized in economic dynamics and modelling, computational economics and network analysis

Research interests

Computational Economics and Economic Modelling applied to Economics of Innovation, Environmental Economics

Current Position

Research Affiliate at the Department of Economics and Statistics "Cognetti de Martiis", University of Torino

Teaching classes:

Industrial Organization, a.a. 2015/2016, bachelor Program, CdL in Scienze dell'Amministrazione (Online), University of Torino

Past Positions

Research

October 2010 – October 2012 Research Fellow in International Economics at the Dep of Economics and Statistics "Cognetti de Martiis", University of Torino

April 2009 – April 2010: Post-doc Fellow in Complexity Economics at the Complex Systems Lagrange Laboratory, Institute for Scientific Interchange Foundation - ISI, Torino

April 2008 – April 2009: *Alfieri* Post-doc Fellow in Technological Diffusion, Department of Economics and Statistics "Cognetti de Martiis", University of Torino

June 2005 – June 2006: Junior Research Fellow in Public Choice and Lobbying Theory at Centro Studi sul Federalismo - CSF, Real Collegio Carlo Alberto, Moncalieri (Torino)

Teaching

Political Economy, a.a. 2014/2015, bachelor Program, CdL in Scienze dell'Amministrazione (Online), University of Torino

Industrial Organization, a.a. 2013/2014, bachelor Program, CdL in Scienze dell'Amministrazione (Online), University of Torino

Industrial Organization, a.a. 2012/2013 (dormiente), bachelor Program, CdL in Scienze dell'Amministrazione (Online), University of Torino

May 2014: Lecturer in Computational Economics, bachelor program, a.a. 2012 / 2013, Scuola Superiore degli Studi di Torino

May 2013: Lecturer in Computational Economics, bachelor program, a.a. 2012 / 2013, Scuola Superiore degli Studi di Torino

May 2012: Lecturer in Computational Economics, bachelor program, a.a. 2011 / 2012, Scuola Superiore degli Studi di Torino

October 2011: Lecturer in Agent Based Models and Statistical Mechanics, a.a. 2011 / 2012, PhD Program in Economics of Complexity, Department of Economics and Statistics "Cognetti de Martiis", University of Torino

March 2011: Lecturer in Computational Economics, bachelor program, a.a. 2010 / 2011, Scuola Superiore degli Studi di Torino

February 2010: Lecturer in Computational Economics, a.a. 2009 / 2010, PhD Program in Economics of Complexity, Department of Economics and Statistics "Cognetti de Martiis", University of Torino

Education

September 2011: Advanced Course Certificate in Time Series Econometrics, CIDE University Residential Centre of Bertinoro – University of Bologna, Bertinoro (Forlì). Bootstrapping time series models, Multivariate GARCH models, Stochastic Volatility models, VAR models

February 2008: PhD in Economics - University of Torino, Dep. of Economics and Statistics "Cognetti de Martiis". Thesis: "Environmental consequences, economic effects and policy implications of eco-innovations diffusion: the case of hydrogen and fuel cells technology"

June 2003: Masters of Science in Economics, CORIPE Piemonte, Moncalieri, Torino, masters degree in Microeconomics, Macroeconomics, Econometrics, International and Monetary Economics

December 2001: Laurea in Scienze Politiche, Faculty of Political Science, University of Torino. Thesis in Mathematics for Economics: "Intertemporal Choice Problems"

Journal Publications

International Economics and History of Economic Thought

Cantono S. and Marchionatti R. (2012) Dumping as price discrimination: Pasquale Jannaccone's dumping theory, *Journal of the History of Economic Thought*, Vol. 34(2), pp. 193-218 (2 citations - Google Scholar)

Complex Systems Dynamics

Cantono S. and Solomon S. (2010) When the collective acts on its components: economic crisis autocatalytic percolation, *New Journal of Physics*, Special Issue on Financial Economics, Vol. 12, June (12 citations)

Innovation and Environmental Innovation

Cantono S., Silverberg G. (2009), A percolation model of eco-innovation diffusion: The relationship between diffusion, learning economies and subsidies, *Technological Forecasting and Social Change*, Vol. 76 (4), pp. 487-496 (109 citations - Google Scholar)

Cantono S., Heijungs R. and Kleijn R. (2008), Environmental Accounting of Eco-innovations through Environmental Input-Output Analysis: the Case of Hydrogen and Fuel Cells Buses, *Economic System Research*, 20/3, pp. 303-318 (4 citations - Google Scholar)

Working Papers Series Publications

Cantono S. (2012) A percolation model of multi-technology diffusion: information feedbacks, learning economies and subsidy policy, *Working Paper Series Dep. of Economics and Statistics "Cognetti de Martiis"*, WP n. 05/2012

Cantono, S. (2012) Unveiling diffusion dynamics: an autocatalytic percolation model of environmental innovation diffusion and the optimal dynamic path of adoption subsidies, *Working Paper Series LEI - BRICK, Bureau of Research in Innovation, Complexity and Knowledge*, Dep. of Economics and Statistics "Cognetti de Martiis", University of Torino, WP 22/2012

Article content: the analytical model shows that in a heterogeneous interacting population of potential adopters diffusion occurs through the conquer of non-connected sub-communities. The propagation process may be entrapped by isolated adoption clusters and only an exogenous intervention can lock it out. Under certain conditions, there exists an optimal subsidy schedule which ensures self-sustaining propagation

Books

Cantono S. and Solomon, S. (2011) "La diffusione dell'innovazione: effetti di rete in Piemonte", in *Innovare in Piemonte*, a cura di Russo G. e Terna P., Otto Editore, Torino, 2011

Cantono S. and Cassone A. (2008), "Integrazione europea, teoria economica e teoria dei gruppi di pressione", in *Il piemonte nel processo di integrazione europea*, a cura di Valerio Castronovo, Giuffrè, 2008

Languages

Italian: native; English: fluent; Spanish: basic.

Computer Literacy

Proficient with Windows, Microsoft Office, internet and email systems, object oriented programming in Python, statistical computing and graphics in R.