

## Personal information

Surname(s) / First name(s)

Address(es)

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Nationality(-ies)

Date of birth

Other

## Marco Valente

Office: P.le del Santuario 19, 67040 Roio Poggio, L'Aquila (Italy)

Home: v. A.Calabrese 9, 00152, Rome, (Italy)

+39-0862-434835 office; +39-06-58233493 home; +39-338-6133760 cell.

valente@ec.univaq.it

Italian

June 1, 1964

Married, two children

## EDUCATION AND RESEARCH

**July 2001 – present**

Institution

Researcher in Economics

Università dell'Aquila, faculty of Economics

**May 2000 – July 2001**

Institution

Supervisor

Post-doc

Università di Trento, faculty of Economics, project on *Complexity and Economic Organizations*

Prof. L.Marengo

**June 1998 – May 2000**

Institution

Researcher in Economics and Statistics

ISTAT (Italian statistical institute), Rome

**February 1997 – February 2000**

Institution

Thesis

Supervisor

Ph.D. in Economics

University of Aalborg (Denmark), *Department of Business Studies*

*Evolutionary Economics and Computer Simulations: A Model for the Evolution of Markets*

Prof. E.S.Andersen

**July 1995 – January 1997**

Institution

Project

Researcher: project on evolutionary simulations models

*IIASA, International Institute for Advanced System Analysis, Vienna, Austria*

*TED: System Analysis of Technological and Economic Dynamics, director: Prof. G.Dosi*

**September 1994 – June 1995**

Institution

Thesis

Supervisor

Master (MA) in Economics

University of Manchester (UK), *Faculty of Economics*

*Evolutionary Economics and Object-Oriented Modelling*

Prof. C.Birchenhall

**June 1992 – May 1994**

Institution

Contracts for ADAMS, European project for the automatic management of aggregate statistical data

*CNR (National Research Council), Istituto di Studi sulla Ricerca e Documentazione Scientifica, Rome*

**July 1992**

Institution

Thesis

Supervisor

Laurea in "Scienze Statistiche ed Economiche"

University "La Sapienza", faculty of Statistics, Rome

*Adaptive Learning and Pricing Rules: mark-up as emerging rule (score 110/110)*

Prof. G.Dosi

## PUBLICATIONS

### Articles in journals

CIARLI, T., LORENZ, A., SAVONA, M. AND VALENTE, M. , (*forthcoming*) , "THE EFFECT OF CONSUMPTION AND PRODUCTION STRUCTURE ON GROWTH AND DISTRIBUTION. A MICRO TO MACRO MODEL", *Metroeconomica*, (*accepted under revision*).

BLEDA, M. and VALENTE, M. , (*in press*) , "GRADED ECO-LABELS: A DEMAND-ORIENTED APPROACH TO REDUCE POLLUTION", *Technological Forecasting and Social Change*.

CIARLI, T., LEONCINI, R., MONTRESOR, S. and VALENTE, M. , 2008 , "TECHNOLOGICAL CHANGE AND THE VERTICAL ORGANIZATION OF INDUSTRIES", *Journal of Evolutionary Economics* **18**(3-4), pp. 367-87.

BRUSONI, S., MARENGO, L., PRENCIPE, A. and VALENTE, M. , 2007 , "THE VALUE AND COSTS OF MODULARITY: A PROBLEM-SOLVING PERSPECTIVE", *European Management Review*, **4**, pp. 121-132.

CIARLI, T., LEONCINI, R., MONTRESOR, S. and VALENTE, M. , 2007 , "INNOVATION AND COMPETITION IN COMPLEX ENVIRONMENTS", *Innovation: management, policy & practice*, vol.3-4.

FAGIOLO, G., VALENTE, M. and VRIEND, N. , 2007 , "Segregation in Networks", *Journal of Economic Behavior and Organization*, **64**, pp. 316-336.

FAGIOLO, G. and VALENTE, M. , 2005, "MINORITY GAMES, LOCAL INTERACTIONS, AND ENDOGENOUS NETWORKS", *Computational Economics*, **25**(1-2), pp. 41-57.

FAGIOLO, G., MARENGO, L. and VALENTE, M. , 2004, "ENDOGENOUS NETWORKS IN RANDOM POPULATION GAMES", *Mathematical Population Studies*, **11**(2), pp. 121-47.

FAGIOLO, G., MARENGO, L. and VALENTE, M. , 2004, "POPULATION LEARNING IN A MODEL WITH RANDOM PAYOFF LANDSCAPES AND ENDOGENOUS NETWORKS", *Computational Economics*, **24**(4), pp. 383-408.

VALENTE, M. and ANDERSEN, E. S. , 2002, "A HANDS-ON APPROACH TO EVOLUTIONARY SIMULATION: NELSON AND WINTER MODELS IN THE LABORATORY FOR SIMULATION DEVELOPMENT", *e-Jemed, Electronic Journal of Evolutionary Modeling and Economic Dynamics*, 1003.

VALENTE, M. , 2002, "COMMENTS ON THE PAPER "EQUILIBRIUM SELECTION VIA ADAPTATION: USING GENETIC PROGRAMMING TO MODEL LEARNING IN A COORDINATION"", *e-Jemed, Electronic Journal of Evolutionary Modeling and Economic Dynamics*, 1021.

DOSI, G., BASSANINI, A., MARENGO, L. and VALENTE, M. , 1999, "NORMS AS EMERGENT PROPERTIES OF ADAPTIVE LEARNING: THE CASE OF ECONOMIC ROUTINES", *Journal of Evolutionary Economics*, **9**(1), pp. 5-26.

### Articles in books

MARENGO, L., PASQUALI, C. and VALENTE, M. , 2005, "Decomposability and modularity of economic interactions", in W. CALLEBAUT and D. RASSKIN-GUTMAN, (eds), "Modularity: Understanding the Development and Evolution of Complex Natural Systems", The Vienna Series in Theoretical Biology, pp. 835-897, Cambridge MA, MIT Press.

FAGIOLO, G., MARENGO, L. and VALENTE, M. , 2005, "Population Learning in Random Games with Endogenous Network Formation", in LUX, T., REITZ, S. and SAMANIDOU, E., (eds.), "Nonlinear Dynamics and Heterogenous Interacting Agents", Lecture Notes in Economics and Mathematical Systems, Berlin, Springer.

CIARLI, T. and VALENTE, M. , 2005, "Firms Interactions and industrial Development: A Simulation Model", in E. GIULIANI, R. RABELLOTTI and M. P. VAN DIJK, (eds), "Clusters facing competition: the importance of external linkages", Ashgate, Aldershot.

Other publications

CIARLI, T. and VALENTE, M. , 2004, "A Generalised Computational Model of Firms Production and Interactions: Emergent Network Structure and Industrial Development", in M. RICHIARDI and R. LEOMBRUNI, (eds), "Industry and Labor Dynamics: The Agent-Based Computational Economics Approach. Proceedings of the Wild@ace 2003 Conference", World Scientific Publishing, Singapore.

FAGIOLO, G., MARENGO, L. and VALENTE, M. , 2004, "Formazione Endogena di Reti in Giochi di Popolazione Casuali", in D.DELLI GATTI and M.GALLEGATI, (a cura di), "Eterogeneità degli agenti economici e interazione sociale: teorie e verifiche empiriche", collana della Società Italiana degli Economisti, Il Mulino, Bologna.

FRENKEN, K., MARENGO, L. and VALENTE, M. , 1999, "Interdependencies, Near-decomposability and Adaptation", in T. BRENNER, (a cura di), "Computational Techniques for Modelling Learning in Economics", Kluwer Academics.

VALENTE, M. , 2008, "Laboratory for Simulation Development - LSD", LEM Working Paper Series, 2008/12, Pisa.

FRENKEN, K., SILVERBERG, G. AND VALENTE, M. , 2008, "A percolation model of the product lifecycle", presented at the DRUID conference, Copenhagen.

CIARLI, T., LORENZ, A., SAVONA, M. AND VALENTE, M. , 2008, "Structural Change of Production and Consumption: A Micro to Macro Approach to Economic Growth and Income Distribution", LEM Working Paper Series, 2008/8, Pisa.

CIARLI, T. AND VALENTE, M. , 2007, "Production Structure and Economic Fluctuations", LEM Working Paper Series, 2007/2, Pisa.

DI MAIO, M. AND VALENTE, M. , 2006, "Uncertainty, Optimal Specialization and Growth", LEM Working Paper Series, 2006/5, Pisa.

VALENTE, M. , 2006, "Book review: Applied Evolutionary Economics: New Empirical Methods and Simulation Techniques, by P.P.Saviotti (ed.)", *Journal of Artificial Societies and Social Simulations*, 9(4).

VALENTE, M. , 2003, "Consumer Preferences and Technological Innovation in the Evolution of Markets", Working paper, SIE, Università dell'Aquila.

VALENTE, M. , 2003, "A Model of Bounded Rational Consumers with Endogenous Preferences", Working paper, SIE, Università dell'Aquila.

VALENTE, M. , 1998, "Technological Competition: a Qualitative Product Life Cycle", DRUID working paper 98-6, DRUID.

**TEACHING**

2002 - 2007 *Institution of Economics - Micro- and Macro-Economics* (80 hours undergraduate course), University of L'Aquila, faculty of Economics

2003 - 2007 *SIME*, 10 days full time course on design, implementing and analysis of simulation models. Funded by the European Community (contract n.HPCFCT-2002-00448 until 2005 and by DIME from 2006), held in BETA, University of Strasbourg, France.

2004 *Industrial Economics* (80 hours undergraduate course), University of L'Aquila, faculty of Economics

2002 *Computer Sciences for Economics* (40 hours undergraduate course), University of L'Aquila, faculty of Economics

## **OTHER**

MOTHER / FOREIGN LANGUAGE

Italian / English, fluent

REFeree

Journal of Economic Behavior and Organization, Journal of Evolutionary Economics, Computational Economics, Industrial and Corporate Change, e-Jemed, JASSS, Applied Mathematics and Computation

ADMINISTRATIVE DUTIES

Supervisor of the faculty's computer systems. Member of the faculty's committees on: students' curricula; evaluation of teaching; evaluation of research. Member of national and international research projects.