

Europass Curriculum Vitae

PERSONAL INFORMATION

Name	Marco Valente
Academic position	Full Professor of Economics, Università dell'Aquila.
Born	Rome, June 1 st , 1964
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Residence / Work	Rome / L'Aquila.

EDUCATION AND CAREER

June 2015 – March 2020	Associate professor, Economics. Università dell'Aquila
July 2001 – May 2015	Researcher, Economics Università dell'Aquila
May 2000 – June 2001	Post-doctoral contract Università di Trento, Facoltà di Economia, project <i>Complexity and Economic Organizations</i>
June 1998 – June 2001	Researcher in Economics and Statistics Italian Statistical Office - ISTAT, Rome
February 1997 – Febr. 2000	Ph.D. in Economics University of Aalborg (Denmark), <i>Department of Business Studies</i> Dissertation: <i>"Evolutionary Economics and Computer Simulations: A Model for the Evolution of Markets"</i>
July 1995 – January 1997	Assistant researcher IIASA, <i>International Institute for Advanced System Analysis</i> , Vienna, Austria Project TED: <i>System Analysis of Technological and Economic Dynamics</i> , Prof. G.Dosi
September 1994 – June 1995	Master (MA) in Economics University of Manchester (UK), <i>Faculty of Economics</i> Dissertation: <i>"Evolutionary Economics and Object-Oriented Modelling"</i>
June 1992 – May 1994	Assistant researcher, European project ADAMS CNR, <i>Istituto di Studi sulla Ricerca e Documentazione Scientifica</i> , Rome
July 1992	Laurea in Statistics and Economics University "La Sapienza", Rome Dissertation: <i>"Apprendimento adattivo e regole di prezzo: il mark-up come regola emergente"</i> Supervisor: Prof. G.Dosi, mark 110/110.

PUBLICATIONS

Journal articles

- Fiorino, N., Galli, E., Rizzo, I. and Valente, M. , 2023 , "PUBLIC PROCUREMENT AND REPUTATION. AN AGENT-BASED MODEL", *Metroeconomica*, **54**(4), pp. 806-32.
- Marengo, L., Settepanella, S. and Valente, M. , 2023 , "MENDELIAN EXPLORATIONS", *Journal of Organization Design*, **12**, pp.157-63 DOI: 10.1007/s41469-023-00136-y .
- Ciarli, T., Lorentz, A., Valente, M. and Savona, M. , 2019 , "STRUCTURAL CHANGE AND ECONOMIC REGIMES", *Journal of Evolutionary Economics*, **29**(1), pp. 119-176.
- D'Orazio, P. and Valente, M., 2019, "THE ROLE OF FINANCE IN ENVIRONMENTAL INNOVATION DIFFUSION: AN EVOLUTIONARY MODELING APPROACH", *Journal of Economic Behavior & Organizations*, **162**, pp. 417-439
- Babutsidze, Z. and Valente, M., 2019, "A TRICK OF THE TAIL: THE ROLE OF SOCIAL NETWORKS IN SHAPING DISTRIBUTIONAL PROPERTIES OF EXPERIENCE-GOOD MARKETS", *Industrial and Corporate Change*, **28**(3), pp. 459-475 .
- Dosi, G., Marengo, L., Paraskevopoulou, E. and Valente, M., 2017 , "A MODEL OF COGNITIVE AND OPERATIONAL MEMORY OF ORGANIZATIONS IN CHANGING WORLDS", *Cambridge Journal of Economics*, **41**(3).
- Caliari, T., Ruiz, S., and Valente, M., 2017 , "HETEROGENEITY OF DEMAND AND PRODUCT INNOVATION", *Estudios Economicos*, **47**(1), pp.5-37.
- Ciarli, T., and Valente, M., 2016, "THE COMPLEX INTERACTIONS BETWEEN ECONOMIC GROWTH AND MARKET CONCENTRATION IN A MODEL OF STRUCTURAL CHANGE", *Structural Change and Economic Dynamics*, **38** pp. 38-54.
- Lorenz, A., Ciarli, T., Savona, M. and Valente, M., 2016, "THE EFFECT OF DEMAND-DRIVEN STRUCTURAL TRANSFORMATIONS ON GROWTH AND TECHNOLOGICAL CHANGE", *Journal of Evolutionary Economics*, **26**(1) pp. 219-246.
- Valente, M., 2014 , "AN NK-LIKE MODEL FOR COMPLEXITY", *Journal of Evolutionary Economics*, **24**(1), pp. 107-134.
- Di Maio, M. and Valente, M., 2013 , "UNCERTAINTY, SPECIALIZATION AND GOVERNMENT INTERVENTION", *Metroeconomica*, **64**(2), pp. 215-243.
- Valente, M., 2012 , "EVOLUTIONARY DEMAND: A MODEL FOR BOUNDED RATIONAL CONSUMERS", *Journal of Evolutionary Economics*, **22**(5), pp. 1029-1080.
- Marengo, L., Pasquali, C., Valente, M. and Dosi, G., 2012 , "APPROPRIABILITY, PATENTS, AND RATES OF INNOVATION IN COMPLEX PRODUCTS INDUSTRIES", *Economics of Innovation and New Technology*, **21**(8), pp. 753-773.
- Di Maio, M. and Valente, M., 2012 , "UNCERTAINTY AND THE OPTIMAL LEVEL OF SPECIALIZATION", *Research in Economics*, **66**(3), PP. 213-218.
- Coad, A. and Valente, M., 2011, "HUNTING FOR A BOGEYMAN? IN SEARCH OF STATISTICAL EVIDENCE OF DIRECT COMPETITION BETWEEN FIRMS", *Evolutionary and Institutional Economics Review*, **8**(1).
- Vinciguerra, S., Frenken, K. and Valente, M., 2010, "THE GEOGRAPHY OF INTERNET INFRASTRUCTURE: AN EVOLUTIONARY SIMULATION APPROACH BASED ON PREFERENTIAL ATTACHMENT", *Urban Studies*, **47**(9), pp. 1969-1984.
- Faber, A., Valente, M. and Janssen, P., 2010, "EXPLORING DOMESTIC MICRO-COGENERATION IN THE NETHERLANDS: AN AGENT-BASED DEMAND MODEL FOR TECHNOLOGY DIFFUSION", *Energy Policy*, **38**(6), pp. 2763-2775.

- Marengo, L. and Valente, M., 2010, "INDUSTRY DYNAMICS IN COMPLEX PRODUCT SPACES: AN EVOLUTIONARY MODEL", *Structural Change and Economic Dynamics*, **21**(1), pp. 5-16.
- Ciarli, T., Lorenz, A., Savona, M. and Valente, M., 2010, "THE EFFECT OF CONSUMPTION AND PRODUCTION STRUCTURE ON GROWTH AND DISTRIBUTION. A MICRO TO MACRO MODEL", *Metroeconomica*, **61**(1), pp. 180-218.
- Bleda, M. and Valente, M., 2009, "GRADED ECO-LABELS: A DEMAND-ORIENTED APPROACH TO REDUCE POLLUTION", *Technological Forecasting and Social Change*, **76**(4), pp. 512-44.
- Valente, M., 2009, "BOOK REVIEW: APPLIED EVOLUTIONARY ECONOMICS: NEW EMPIRICAL METHODS AND SIMULATION TECHNIQUES", SAVIOTTI, P.P. (ED.), *Journal of Artificial Societies and Social Simulations*, **9**(4)
- 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. and Montresor, S. and VALENTE, M., 2007, "INNOVATION AND COMPETITION IN COMPLEX ENVIRONMENTS", *Innovation: management, policy & practice*, **9**(3-4), pp. 292-310.
- Fagiolo, G., Valente, M. and Vriend, N., 2007, "SEGREGATION IN NETWORKS", *Journal of Economic Behavior and Organization*, **64**(3-4), 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., 2005, "POPULATION LEARNING IN A MODEL WITH RANDOM PAYOFF LANDSCAPES AND ENDOGENOUS NETWORKS", *Computational Economics*, **24**(4), pp. 383-408.
- Fagiolo, G., Marengo, L. and Valente, M., 2004, "ENDOGENOUS NETWORKS IN RANDOM POPULATION GAMES", *Mathematical Population Studies*, **11**(2), pp. 121-47.
- 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.
- Biggiero, L., Angelini, P.P., Carbonara, N., Mastrogiorgio, A., Pessa, E., Sevi, E. and Valente, M. (eds.), 2016, RELATIONAL METHODOLOGIES AND EPISTEMOLOGY IN ECONOMICS AND MANAGEMENT SCIENCES, IGI GLOBAL, HERSHEY PA, USA.
- Brezzi M., McCann P., Allio, Bazzucchi A., Charbit C., Veneri P., Faggian A., Iammarino S., Iapadre L., Rodriguez-Pose A., Ruth M., Savona M., Scarpa R., Valente M., Vanclay F., 2013, "POLICY MAKING AFTER DISASTERS - HELPING REGIONS BECOME RESILIENT - THE CASE OF POST-EARTHQUAKE ABRUZZO", Paris: OECD Publishing, ISBN: 978-92-64-18954-6.

Books

- A. Lorentz, T. Ciarli, M. Savona and M. Valente, (in press), STRUCTURAL TRANSFORMATIONS AND CUMULATIVE CAUSATION, in U. Cantner, M. Guerzoni and S. Vannuccini (eds) "Handbook of Research Methods and Applications in Industrial Dynamics and Evolutionary Economics", Edgar Elgar.
- D'Orazio, P., Amendola, M. and Valente, M., 2024, POLICIES TO MOBILIZE FINANCE FOR LOW-CARBON TRANSITION, in Spataru C., Xiaojing, L., Carvalho P., Nowbuth M. and Ameli N. (eds), "The Elgar Companion to Energy and Sustainability", UK: Edward Elgar Publishing
- Valente, M., 2024, EMPLOYMENT, INNOVATION AND GROWTH: ANALYSIS AND POLICY IMPLICATIONS, in Brollo, M., Zoli, C., Lambertucci, P., and Biasi, M. (eds.), 2024, DAL LAVORO POVERO AL LAVORO DIGNITOSO - POLITICHE, STRUMENTI, PROPOSTE, ADAPT Labour Studies, n.101, Bergamo.
- D'Orazio, P., Popoyan, L. e Valente, M., 2023, "GREEN CENTRAL BANKING IN TIMES OF CLIMATE UNCERTAINTY", in Alam, S. Sosnovskikh, S. (eds.) "Environmental Finance and Green Banking Contemporary and Emerging Issues", Routledge, London, UK.
- Valente, M., 2016, "INNOVATIONS AND ORGANIZATIONAL STRUCTURES", in L. Biggiero et al. (eds.) "Relational Methodologies and Epistemology in Economics and Management Sciences", IGI Global, Hershey PA, USA.
- Valente, M., 2016, "AGENT-BASED MODELING: DEFINITIONS AND A METHODOLOGICAL PROPOSAL", in L. Biggiero et al. (eds.) "Relational Methodologies and Epistemology in Economics and Management Sciences", IGI Global, Hershey PA, USA.
- Biggiero, L. and Valente, M. , 2016, "THE ROLE OF KNOWLEDGE HETEROGENEITY IN INDUSTRIAL CLUSTERS KNOWLEDGE DYNAMICS: AN APPLICATION OF THE BOOLEAN NETWORK SIMULATION MODELING", in L. Biggiero et al. (eds.) "Relational Methodologies and Epistemology in Economics and Management Sciences", IGI Global, Hershey PA, USA.
- Valente, M. , 2012 , "LE PREVISIONI IN ECONOMIA", in Arnaldi, S. and Poli, R., (eds.), "La Previsione Sociale", Carocci Editore.
- Ciarli, T, Leoncini, R., Montresor, S. and Valente, M. , 2010, "LINKING TECHNOLOGICAL CHANGE TO ORGANIZATIONAL DESIGN: SOME INSIGHTS FROM A PESUDO-NK MODEL", in De Liso, N. and Leoncini, R., (ed.), "Internationalization, Technological Change and the Theory of the Firm", Routledge Studies in Global Competition, Routledge.
- Ciarli, T, Leoncini, R., Montresor, S. and Valente, M. , 2010, "PRODUCT ARCHITECTURE AND FIRM ORGANIZATION: THE ROLE OF INTERFACES", in Petra Ahrweiler, (ed.), "Innovation in Complex Social Systems", Routledge Studies in Global Competition, Routledge.
- Fagiolo, G., Valente, M. and Vriend, N. , 2008, "A DYNAMIC MODEL OF SEGREGATION IN SMALL-WORLD NETWORKS", in A.K. Naimzada, S. Stefani and A. Torriero, (ed.), "Theory and Applications to Economics and Social Systems", Lecture Notes in Economics and Mathematical Systems, Springer.
- Marengo, L., Pasquali, C. and Valente, M. , 2005, "DECOMPOSABILITY AND MODULARITY OF ECONOMIC INTERACTIONS", in W. Callebaut and D. Rasskin-Gutman, (ed.), "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., (ed.), "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, (ed.), "Clusters facing competition: the importance of external linkages", Ashgate, Aldershot.

Work in progress	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, (ed.), "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, (ed.), "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, (ed.), "Computational Techniques for Modelling Learning in Economics", Kluwer Academics.	
	Amendola, M., Triacca, U. and M.Valente, " A STUDY OF GLOBAL AND LOCAL CAUSALITY LINKS BETWEEN CO ₂ CONCENTRATION AND TEMPERATURE", submitted to <i>Scientific Reports</i> .	
	Amendola, M., D'Orazio, P. and M.Valente, "SUSTAINABLE TRANSITION PATTERNS IN THE ELECTRICITY SECTOR: A CALIBRATED SIMULATION MODEL FOR ITALY", to submitted to <i>Energy Policy</i> .	
	Amendola, M. and M.Valente, "TAXING CARBON EMISSIONS AND GREEN TRANSITION: THE CASE OF THE ITALIAN ELECTRICITY MARKET", submitted to <i>Economic Journal</i> .	
RESEARCH PROJECTS	Valente, M. , "KNOWLEDGE AS EXPLANATIONS", SSRN, doi:10.2139/ssrn.2918920, to be submitted to: <i>Journal of Economic Methodology</i> .	
	Valente, M. , "WHEN THE BRIGHTEST ARE NOT THE BEST", LEM wp 2015/13, to be submitted to: <i>Research Policy</i> .	
	TRANSIT	Co-coordinator of project "TRansit - Modelling transition risk" financed by the Sustainable Economy Hub of the ESRC Rebuilding Macroeconomics network.
	GROWINPRO	"Growth Welfare Innovation Productivity" EU Horizon 2020
	PRIN 2018	"WORKING POOR N.E.E.D.S.: NEw Equity, Decent work", PRIN.
	VIP	Visiting scholarship 2016-2018, Ruhr University Bochum, Germany.
ISIGROWTH	Horizon 2020 on Research and Innovation	
ON THE WINGS OF L'AQUILA	OECD sponsored project on the economic and social consequences of natural disasters 2011-2012.	
OTHER SKILLS		
Software	Since 1995 I have been developing a simulation platform called <i>Laboratory for Simulation Development</i> (LSD) designed to easily implement agent-based models. See www.labsimdev.org for details.	
Languages	Italian (mother tongue); English (fluent C1 equivalent)	
CURRENT TEACHING		
Environmental Economics (master)		
Economics of Markets and Sustainability (master)		
Microeconomics (undergraduate)		
Workshops on agent-based modelling (doctoral schools).		
Member of the doctoral committee, L'Aquila.		
OTHER ACTIVITIES		
National Government	Consultant to the Minister of University and Research, 2018-2019	
CUN	Member of the National University Council (CUN), 2013-2015.	