

## CURRICULUM VITAE

*Luigi MARENGO*

**Professor of Economics**  
Department of Management  
LUISS University, Rome  
(from March 2014)

### **Education:**

Graduation in Economics, University of Turin, Italy, on November 22nd, 1985, with full marks 110 out of 110, *cum laude* and special mention.

DPhil in Science and Technology Policy Studies, Science Policy Research Unit, University of Sussex, awarded in January 1992. Title of the thesis: "Knowledge, Coordination and Learning in an Adaptive Model of the Firm".

### **Administrative responsibilities:**

Member of the Presidential Council of the Italian Economic Association, 2019-.

Director of the Department of Management, LUISS University, Rome, from September 2014 until October 2017

Dean of the School of Social Sciences ("Presidente della Classe di Scienze Sociali") at Scuola Superiore Sant'Anna from November 2010 until October 2013.

Director of the Department for Social Studies (DSGSS) at the University of Teramo, Law School, from November 2002 until October 2005.

Member of the Evaluation Committee (Nucleo di Valutazione) of: University of Teramo, IUSS Pavia, Scuola Superiore Sant'Anna Pisa.

### **Editorial duties:**

Managing editor of "Structural Change and Economic Dynamics", 2009-2018 (during my term the journal was included in ISI Web of Science)

Formerly associated editor of Journal of Management and Governance, Journal of Evolutionary Economics

Referee for: Organization Science, Management Science, Organization Studies, Strategic Management Journal, Journal of Economic Behavior and Organization, Journal of Evolutionary Economics, Industrial and Corporate Change, Journal of Management and Governance, *Economia Politica*.

## **Previous Work Experiences:**

Professor of Economics, Scuola Superiore Sant'Anna, Pisa 2005-2014

Professor of Economics, Faculty of Law, University of Teramo 2001-2005

Associate professor of Economics, Faculty of Sociology, University of Trento, 1998-2001

Assistant professor, Faculty of Economics, University of Trento, 1994-1998

Research Fellow at IIASA (International Institute for Applied Systems Analysis), Laxenburg, Austria, within the research project "Systems Analysis of Economic and Technologic Dynamics", March-October 1994.

Invited Professor at the Faculty of Economics, Université Louis Pasteur, Strasbourg, France, every year since 2001.

Part-time research fellow at the Science Policy Research Unit, University of Sussex, England, from January to October 1992.

Visiting Fellow at the Santa Fe Institute for Complex Systems Analysis, Santa Fe, New Mexico, U.S.A., March-April 1989.

## **PUBLICATIONS**

### **Articles in refereed journals:**

- L. Marengo (2020), Organizational politics and complexity: Coase vs. Arrow, March, and Simon, *Industrial and Corporate Change*, vol. 29, pp. 95-104.
- D. A. Levinthal and L. Marengo (2020), Organizations, ambiguity, and conflict: introduction to the special issue in honor of James G. March, *Industrial and Corporate Change*, vol. 29, pp. 81-87.
- L. Marengo (2019), "Is this time different? A note on automation and labour in the fourth industrial revolution", *Journal of Industrial and Business Economics*, in press.
- G. Gavetti, C. Helfat, L. Marengo (2017), "Searching, Shaping, and the Quest for Superior Performance", *Strategy Science*, vol. 2, pp. 194-209.
- G. Dosi, L. Marengo, E. Paraskevopoulou, M. Valente (2017), A model of cognitive and operational memory of organizations in changing worlds, *Cambridge Journal of Economics*, vol. 41, pp. 775-806.
- G. Dosi, M. Grazzi, L. Marengo, S. Settepanella (2016), "Production theory: accounting for firm heterogeneity and technical change", *Journal of Industrial Economics*, vol. 64, pp. 875-907.
- A. Delfino, L. Marengo and M. Pioner (2016), "I did it your way: An experimental investigation of peer effects in investment choices", *Journal of Economic Psychology*, vol. 54, pp. 113-123.
- L. Marengo and P. Zeppini (2016), "The arrival of the new", *Journal of Evolutionary Economics*, vol. 26, pp. 171-194.
- L. Marengo (2015), "Representation, search and the evolution of routines in problem solving", *Industrial and Corporate Change*, vol. 24, pp. 951-980.

- Marengo, L., G. Dosi, P. Legrenzi and C. Pasquali (2000), "The Structure of Problem-solving Knowledge and the Structure of Organizations", Industrial and Corporate Change, vol. 9, pp.757-788
- Lazarcic, N., Marengo, L. (2000), "Towards a Characterization of Assets and Knowledge Created in Technological Agreements: Some evidence from the automobile-robotics sector", Industrial and Corporate Change, vol. 9, pp. 53-86.
- Dosi G., Marengo L., Bassanini A., Valente M. (1999), "Norms as Emergent Properties of Adaptive Learning: The case of economic routines", Journal of Evolutionary Economics, vol. 9, pp. 5-26.
- Marengo L., Willinger M. (1997), "Alternative methodologies for modelling evolutionary dynamics: Introduction", Journal of Evolutionary Economics, vol. 4, pp. 331-338.
- Cohen M., Burkhart R., Dosi G., Egidi M., Marengo L., Warglien M., Winter S. (1996), "Routines and Other Recurring Action Patterns of Organizations: Contemporary Research Issues", Industrial and Corporate Change, vol. 5, pp.653-698.
- Beltrametti L., Fiorentini R., Marengo L., Tamborini R. (1997), "A Learning-to-Forecast Experiment on the Foreign Exchange Market with a Classifier System", Journal of Economic Dynamics and Control, vol. 21, pp. 1543-1575.
- Marengo L., Tordjman H. (1996), "Speculation, Heterogeneity and Learning: A Model of Exchange Rate Dynamics", Kyklos, vol. 49, pp. 407-438.
- Beltrametti L., Marengo L., Tamborini R. (1996), "Un esperimento di apprendimento nel mercato valutario con un agente artificiale", Economia Politica, vol. 13, pp. 353-387.
- Marengo L. (1995), "Structure, Competence, and Learning in Organizations", Wirtschaftspolitische Blätter, vol. 42, pp. 454-464.
- Malarba F., Marengo L. (1995), "Competence, Innovative Activities and Economic Performance in Italian High-Technology Firms", International Journal of Technology Management, vol. 10, pp. 96-112.
- Marengo L. (1994), "Knowledge Distribution and Coordination in Organizations: On some Social Aspects of the Exploration vs. Exploitation Trade-Off", Revue Internationale de Systemique, vol. 7, pp. 553-571.
- Marengo L. (1992), "Coordination and Organizational Learning in the Firm", Journal of Evolutionary Economics, vol. 2, pp. 313-326.
- Marengo L. (1992), "The Demand for Intermediate Goods in an Input-Output Framework: A Methodological Note", Economic Systems Research, vol. 4, pp. 49-52.
- Marengo L., Vivarelli M. (1990), "Una Riflessione sulla Teoria Evoluzionista: Microfondazioni and Aggregazione Macroeconomica", Economia and Politica Industriale, vol. 67, pp. 189-203.
- Marengo L., Sterlacchini A. (1990), "Intersectoral Technology Flows: Methodological Aspects and Empirical Applications", Metroeconomica, vol. 41, pp. 19-39.

#### **Book chapters:**

- Dosi, G., Faillo, M., Cecchini Manara, V., Marengo, L. and D. Moschella, (forthcoming) "The formalization of organizational capabilities and learning: results and challenges, in D.J. Teece (ed.), Handbook of Organizational Capabilities.
- Levinthal D. and L. Marengo, (forthcoming) "Simulation modelling and business strategy research", in Teece D.J., Augier M.E. (eds), Palgrave Dictionary in Strategic Management.
- Knudsen Th. and L. Marengo, (forthcoming) "Complexity and business strategy research", in Teece D.J., Augier M.E. (eds), Palgrave Dictionary in Strategic Management.
- Dosi, G., M. Faillo and L. Marengo, (2008), "Problem solving and governance in the capability-based view of the firm: the roles and theoretical representations of organizational routines", in

- G. Dosi and L. Marengo (2015), "The dynamics of organizational structures and performances under diverging distributions of knowledge and different power structures", Journal of Institutional Economics, vol. 11, pp. 535-559.
- S. Settepanella, G. Dosi, M. Grazzi, L. Marengo, F. Ponchio (2015), "A discrete geometric approach to heterogeneity and production theory", Evolutionary and Institutional Economic Review, vol. 12, pp. 223-234.
- G. Amendola, L. Marengo, D. Pirino, S. Settepanella, A. Takemura (2015), "Decidability in complex social choices", Evolutionary and Institutional Economic Review, vol. 12, pp. 141-168.
- Marengo, L. and S. Settepanella (2014), "Social choice among complex objects", Annali della Scuola Normale Superiore di Pisa – Classe di Scienze, vol. 13, pp. 1039-1064.
- L. Marengo and C. Pasquali (2012), "How to get what you want when you do not know what you want. A model of incentives, organizational structure and learning", Organization Science, vol. 23, pp. 1298-1310.
- Marengo, L., C. Pasquali, M. Valente and G. Dosi (2012), "Appropriability, Patents, and Rates of Innovation in Complex Products Industries", Economics of Innovation and New Technologies, vol. 21, pp. 753-773.
- Koski, H., Marengo, L. and I. Makinen (2012), "Firm size, managerial practices and innovativeness: some evidence from Finnish manufacturing", International Journal of Technology Management, vol. 59, pp. 92-115.
- Dosi, G., M. Faillo, L. Marengo and D. Moschella, (2011), "Toward Formal Representations of Search Processes and Routines in Organizational Problem Solving: An Assessment of the State-of-the-Art", Seoul Journal of Economics, vol.24, pp. 247-286.
- L. Marengo and C. Pasquali (2010), "The construction of choice: A computational voting model", Economics Bulletin, vol. 30, pp. 3077-87.
- L. Marengo and M. Valente (2010), "Industry dynamics with product innovation: An evolutionary model", Structural Change and Economic Dynamics, vol. 21, pp. 5-16.
- Dosi, G., M. Faillo and L. Marengo, (2008), "Organizational Capabilities, Patterns of Knowledge Accumulation and Governance Structures in Business Firms: An Introduction", Organization Studies, vol.29, 2008, pp. 1165-1185.
- Brusoni, S., L. Marengo, A. Prencipe and M. Valente (2007), "The value and cost of modularity: A cognitive perspective", European Management Review, vol. 4, pp. 121-132.
- Dosi, G. and L. Marengo (2007), "On the Evolutionary and Behavioral Theories of Organizations: A Tentative Roadmap", Organization Science, vol. 18, pp. 491-502.
- Dosi, G., L. Marengo and C. Pasquali (2007), "Knowledge, competition and innovation: Is strong IPR protection really needed for more and better innovations?", Michigan Telecommunication and Technology Law Review, vol. 13, n. 2, pp. 471-485.
- Dosi, G., L. Marengo and C. Pasquali (2005), "How much should society fuel the greed of innovators? On the relations between appropriability, opportunities and rates of innovation", Research Policy, vol. 35, pp. 1110-1121.
- Marengo, L. and G. Dosi (2005), "Division of Labor, Organizational Coordination and Market Mechanisms in Collective Problem-Solving", Journal of Economic Behavior and Organization, vol. 59, 2005, pp. 303-326.
- Fagiolo, G., L. Marengo and M. Valente (2004a), "Endogenous Networks in Random Population Games", Mathematical Population Studies, vol. 11, pp.121-147.
- Fagiolo, G., L. Marengo and M. Valente (2004b), "Population learning in a model with random payoff landscapes and endogenous networks", Computational Economics, vol. 24, pp. 383-408.
- Marengo, L. (2003). "Quasi scomponibilità, modularità ed organizzazione economica", Sistemi Intelligenti, vol. 15, n.1.
- Dosi, G., D. Levinthal and L. Marengo (2003), "Bridging contested terrain: linking incentive-based and learning perspectives on organizational evolution", Industrial and Corporate Change, vol. 12, pp. 413-436.

- M. Becker (ed.), *Handbook of Organizational Routines*, Celenham, Edward Elgar, pp. 107-121.
- Marengo L. (2005), "Organization of the firm", chap. 7 in J. Lesourne, A. Orléan and B. Walliser (eds.), *Evolutionary Micro-economics*, Berlin, Springer, pp. 203-235.
- 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, Cambridge MA, MIT Press, pp. 835-897.
- Dosi G., Marengo L., and Fagiolo G. (2004), "Learning in Evolutionary Environments", in K. Dopfer (ed.), *The Evolutionary Foundations of Economics*, Cambridge, Cambridge University Press, pp. 255-328.
- Marengo L. (2003), "Problem Complexity and Problem Representation: some implications for the theory of economic institutions", in S. Rizzello (ed.), *Cognitive Developments in Economics*, Dordrecht, Routledge, pp. 371-388.
- Dosi G., Hobday M. and Marengo L. (2003), "Problem-Solving Behaviors, Organizational Forms and the Complexity of Tasks", in C.E. Helfat (eds.) *The Blackwell/strategic Management Society Handbook of Organizational Capabilities: Emergence, Development and Change*, Oxford, Blackwell, pp. 167-192.
- Egidi M. and Marengo L. (2002), Near-Decomposability, organization and Evolution: Some Notes on Herbert Simon's Contribution, in M. Augier and J.G. March (eds.), *Models of a Man: Essays in Memory of Herbert A. Simon*, Cambridge MA, MIT Press, pp. 335-350.
- Dosi G., Fagiolo G., Marengo L. (2001), "On the Dynamics of Cognition and Actions", in A. Nicita and U. Pagano (eds.), *The Evolution of Economic Diversity*, Routledge, pp. 164-196.
- Dosi G., Marengo L. (2000), "On the tangled discourse between Transaction Costs Economics and Competence-Based Views of the Firm", in N. Foss and V. Mahnske (eds.), *Competence, Governance and Entrepreneurship*, Oxford University Press, pp. 80-92.
- Cohendet P., Llerena P., Marengo L. (2000), "Is there a Pilot in the Evolutionary Firm?", in N. Foss and V. Mahnske (eds.), *Competence, Governance and Entrepreneurship*, Oxford University Press, pp. 95-115.
- Dosi G., Marengo L. (1999), "On the co-evolution of technological knowledge and corporate organisations.", in A. Gambardella and F. Malerba (eds.), *The organization of Economic Innovation in Europe*, Cambridge University Press, pp. 15-23.
- Frenken K., Marengo L., Valente M. (1999), "Interdependencies, nearly-decomposability and adaptation" in Th. Brenner (ed.), *Computational Techniques for Modelling Learning in Economics*, Kluwer Academic, pp.145-165.
- Dosi G., Marengo L., Fagiolo G. (1998), "Modelli ed evidenza empirica su quel poco che sappiamo dell'apprendimento in mondi che cambiano", in A. Vercelli (ed.), *Incerteza, Razionalità and Decisioni Economiche*, Bologna, Il Mulino, pp. 79-102.
- Marengo L. (1998), "Knowledge Distribution and Coordination in Organizations", in N. Lazaric and E. Lorenz (eds.), *Trust and Economic Learning*, Cheltenham, Edward Elgar, pp. 227-246.
- Pasquali C., Marengo L. (1997), "Concurrency and the Logic of Economic Organization", in R. Conte, R. Hegselmann and P. Terna (eds.), *Simulating Social Phenomena*, Berlin, Springer Verlag, pp. 311-317.
- Dosi G., Marengo L., Bassanini A., Valente M. (1997), "Les Normes comme Propriétés Emergentes d'un Apprentissage Adaptif", in B. Reynaud (ed.) *Les limites de la rationalité*, Ed. La Découverte, Paris, pp. 45-59.
- Marengo L. (1996), "Structure, Competence and Learning in an Adaptive Model of the Firm", in G. Dosi and F. Malerba (eds.), *Organization and Strategy in the Evolution of the Enterprise*, London, Macmillan, pp. 124-154.

- Egidi M., Marengo L. (1995), "Division of Labour and Social Coordination Modes", in G.N. Gilbert and R. Conte (eds.), *Artificial societies: the computer simulation of social life*, Londra, UCL Press, pp. 40-50.
- Marengo L. (1995), "Apprentissage, Compétences et Coordination dans les Organisations", in N. Lazaric and J.-M. Monnier (eds.) *Coordination Economique et Apprentissage des Firmes*, Economica, Paris, pp. 3-22.
- Dosi G., Marengo L. (1995), "Toward a Theory of Organizational Competencies", in R.W. England (ed.), *Evolutionary Concepts in Contemporary Economics*, Michigan University Press, pp. 157-178.

### **Recent teaching activities:**

- Courses in Organizational Economics and Economics of Technological Change taught at the PhD level both within the PhD in Economics and the PhD in Management.
- Game theory, Microeconomics, Managerial Decision Making, Experimental Economics, Economics of Innovation, Economics of Science, Social Choice, taught at undergraduate and master level
- Short courses in innovation and organization theory within the international doctoral school DIMETIC, part of DIME Network of excellence (6<sup>th</sup> framework programme of the European Commission)

### **Areas of expertise:**

Organizational Economics, Economics of Innovation, Decision Theory, Game Theory.

### **Languages:**

Italian: mother tongue

English: writing excellent, speaking excellent, understanding excellent

French: writing good, speaking excellent, understanding excellent