

CURRICULUM VITAE

Mario Eboli

Work experience:

Nov. 2002 -

- Associate Professor of Economics, Facoltà di Economia, Università "G. d'Annunzio", Pescara

Oct. 2001 - Nov. 2002

- Assistant Professor of Economics, Facoltà di Economia, Università "G. d'Annunzio", Pescara

dec. 1996 - sept. 2001

- Assistant Professor of Economics, Facoltà di Economia, Seconda Università di Napoli

Oct. 1995 - June 1998

- Visiting Scholar, Department of Economics, Stanford University (California), working with Professor Kenneth J. Arrow on computational models of decision making under uncertainty.

Sept. 1994 - Sept. 1995

- Lecturer, University of East Anglia, School of Economics, Norwich (GB).

Sept. 1991 - Dec. 1991

and July 1989 - March 1990

- Assistant Professor of Economics, 'STOA' School of Business Administration, Ercolano, Napoli.

Other teaching experience:

Academic years 2017-18 e 2018-19: lecturer, PhD program ‘Accounting, Management and Business Economics’, Università degli Studi "G. d’Annunzio" Chieti-Pescara.

Academic years 2015-16 e 2017-18: lecturer in charge of the course of ‘Economia dell’Impresa e della Produzione’, Laurea Magistrale (second degree) ‘Tecnologia e Gestione dell’Innovazione’, Facoltà di Economia, Università ‘La Sapienza’, Rome. Italy.

2016: Member of the ‘Collegio dei Docenti’ (board) of the PhD program ‘Accounting, Management and Business Economics’, Università degli Studi "G. d’Annunzio" Chieti-Pescara.

2013-15: Member of the ‘Collegio dei Docenti’ (board) of the PhD program ‘Accounting, Management and Finance’, Università degli Studi "G. d’Annunzio" Chieti-Pescara. Supervisor of dott. Andrea Toto.

September 2004 – September 2006: lecturer in charge of the course ‘Applied Economics’, Facoltà di Economia, Università ‘LUM’ Jean Monnet, Bari, Italy.

October 2001: teacher and consultant of the project Alta Formazione MURST 2361 “Dalla cultura di impresa all’impresa di cultura”, Università del Sannio.

March 1988 – March 1989: lecturer in charge of the course ‘Economics’, Master in Business Administration, STOA’ School of Business, Napoli.

Referee

for the publishing houses Cambridge University Press and Springer Verlag, and for the following periodicals: Cambridge Journal of Economics, Small Business Economics, Metroeconomica, Computational Economics, Macroeconomic Dynamics, IEEE Transactions on Signal and Information Processing over Networks, Journal of Economic Interaction and Coordination, Quantitative Finance., Journal of Economic Theory.

Main seminars and conference presentations:

2000: 6th Conference on Computing in Economics and Finance (CEF 2000), Barcelona, Spain. Inference Group Seminars, Department of Astrophysics, Cambridge University, invited talk ‘The computational cost of inference in Bayesian Networks’.

2001: Society for the Advancement of Economic Theory (SAET 2001), Ischia, Italy. 7th Computing in Economics and Finance (CEF 2001), New Haven, University of Yale, US.

2003: Society for the Advancement of Economic Theory (SAET 2003), Rodos, Grecia.

2004: Bank of England. Invited talk: ‘Systemic risk in Financial Networks: a graph theoretic approach’.

2006: Second Annual Max Planck International Conference on ‘Entrepreneurship, Innovation and Economic Growth’, Bangalore, India, March 2006.

2007: Bank of Denmark and ‘Finance Research Unit’, University of Copenhagen. Invited talk: ‘Modelling Systemic Risk’.

2009: 6th AFE, International Conference in Applied Financial Economics, Samos (Greece). 5th International Workshop on Internet and Network Economics, WINE 2009, Rome, Italy.

2010: 7th AFE, International Conference in Applied Financial Economics, Samos (Greece). 1st International Symposium in Computational Economics and Finance (ISCEF 2010), Sousse, Tunisia.

2011: 17th Conference on Computing in Economics and Finance (CEF 2011), San Francisco, USA. Chair of the session on Economic Networks. ‘Financial Networks’ Conference, Geneva Finance Research Institute, University of Geneva, Switzerland.

2012: 4th World Congress on Social Simulation (WCSS 2012), Taipei, Taiwan. Latsis Symposium ‘Economics on the Move’, ETH, Zurich, Switzerland. Kiel Institute for the World Economy, invited talk on ‘Systemic risk and liquidity risk in Financial Flow Networks’. Third International Workshop on Managing Financial Instability in Capitalist Economies (MAFIN 2012), Genoa, Italy.

2013: 1st Conference Herbert Simon Society ‘Bounded Rationality Updated’, New York (USA). ‘Interlinkages and Systemic Risk’ (INET 2013), Ancona, Italy. 54th RSA, Società italiana degli Economisti, Ancona, Italy. Network Approaches to Interbank Linkages (NAIM 2013), Castellon, Spain.

2014: 6th ‘International Finance And Banking Society’ (IFABS) Conference, June 18-20, Lisbon, Portugal. Dynamics of Socio-Economic Systems (DYSES 2014), Seville, Spain.

2015: 2nd International Workshop on “Financial Markets and Nonlinear Dynamics” (FMND), June 4-5, Paris, France.

2016: 21st Annual Workshop on the Economic Science with Heterogeneous Interacting Agents (WEHIA 2016), University Jaume I, Castellón, Spain, June 22nd-24th.

2018: 23rd Annual Workshop on Economic Science with Heterogeneous Interacting Agents (WEHIA 2018), Tokyo, Japan. IX^o Meeting on Dynamics of Socio Economic Systems (DySES 2018), Paris, France.

2019: 24th Annual Workshop on Economic Science with Heterogeneous Interacting Agents (WEHIA 2019), London. International workshop on Networks in Economic Theory (NET 2019), Milan, Italy.

2021: 13th 'International Finance And Banking Society' (IFABS) Conference, September 13-15, Oxford, England.

2022: 25th Annual Workshop on Economic Science with Heterogeneous Interacting Agents (WEHIA 2022), Catania, Italy.

Education:

June 1995

- Summer school "Learning and Evolution in Games and Economics", Institute for Advanced Studies, Hebrew University of Jerusalem

June 1992

- Summer School in the Economics of Information, Institute for Advanced Studies, Hebrew University of Jerusalem

Nov. 1989 - Sept. 1993

- Ph.D. in Economics, University of Naples "Federico II".

Oct. 1988 - June 1990

- Master of Philosophy in Economics, University of Cambridge, Darwin College.

Nov. 1987

- Laurea (first degree) in Economics, earned 'magna cum laude', Facoltà di Economia, Università di Napoli "Federico II".

Papers on refereed journals and books:

1. “Connectivity, centralisation and ‘robustness-yet-fragility’ of interbank networks”, with Bulent R. Ozel, Andrea Teglio and Andrea Toto, *R&R. Annals of Finance*
2. “Mafia infiltrations in Italian Municipalities: two statistical indicators”, with Andrea Toto and Andrea Ziruolo, *Applied Economics*, Volume 53, 2021 - Issue 24
3. “Linearities, Non-Linearities and Phase Transitions in Loss Diffusion Processes in Financial Networks”, *Nonlinear Phenomena in Complex Systems*, vol. 23, no. 2, 2020.
4. “A Flow Network Analysis of Direct Balance-sheet Contagion in Financial Networks”, *Journal of Economic Dynamics and Control*, Volume 103, Pages 205-233, June 2019.
5. “The Insurance Value of Trade Credit”, with Andrea Toto, *International Journal of Economics and Finance*; Vol. 11, No. 7, 2019 .
6. “The Concentration of the Banking Industry and Its Exposure to Financial Contagion”, *International Journal of Economics and Finance*; Vol. 11, No. 4; 2019.
7. “Liquidity flows in interbank networks”, with Fabio Castiglionesi, *Review of Finance*, European Finance Association, vol. 22(4), pages 1291-1334, 2018.
8. “Simulations of Financial Contagion in Interbank Networks: Some Methodological Issues”, in ‘Propagation Phenomena in Real World Networks’, Intelligent Systems Reference Library, Vol. 85, Krol, D., Fay, D. and Gabrys, B. (Eds.), Springer, 2015.
9. “Diffusion of innovations in dense and sparse networks”, *Quality & Quantity*, Volume 49, Issue 4, July 2014.
10. “On the indeterminacy of the clearing payments vectors in numerical simulations on financial networks”, in Shu-Heng C., Takao T., Yamamoto R., and Tai C. (eds.) ‘Advances in Computational Social Science: Agent-Based Social Systems’, Volume 11, pp 61-72, 2014.
11. “Financial applications of Flow Network theory”, in ‘Dynamics of socio-economic systems’, Squillante, M., Araceli, P.A. and Kacprzyk, J. editors, Springer Verlag, 2013.
12. “Financing production with liquidity constraints: the role of trade credit in agro-food supply chains”, con Crescenzo dell’Aquila, *Politica Agricola Internazionale*, Vol. 4, 2012.
13. “Direct Contagion in Financial Networks with Mark-to-Market and Historical Cost Accounting Rules”, *International Journal of Economics and Finance*, Vol. 2, No. 5; November 2010.
14. “An Algorithm of Propagation in Weighted Directed Graphs with Applications to Economics and Finance”, *International Journal of Intelligent Systems*, vol. 25, 237-252, 2010, special issue on ‘Decision Making in Social Networks’.

15. "Information processing and asset trading specialization", in Proceedings of the 7th International Conference on Applied Financial Economics, 2010 - ISBN:9789604660612
16. "Entrepreneurs as forecasters and a market for their services", *Studi Economici*, n. 92, 2007, p. 69-92
17. "The Economics of Network Industries by Oz Shy: a book review", *Journal of Management and Governance*, volume 8, number 4, December 2004, p. 431 - 435
18. "Two models of Information Costs based on Computational Complexity", *Computational Economics*, vol. 21, n° 1-2, Aprile 2003.
19. "Acquisition of Market Information, Returns to Scale, and the Viability of Competitive Equilibrium", *Metroeconomica*, Vol. 53, n° 2, Maggio 2002.
20. "Entrepreneurship, Uncertainty and the Value of Knowledge", in Capaldo, G. and Raffa, M. (eds.) *Innovation and Economic Development: The Role of Entrepreneurship and SMEs*, Edizioni Scientifiche Italiane, Giugno 1999.
21. "Informazione, Conoscenza e Comunicazione tra Centro e Periferia dell'Impero", in B. Servino (ed.) *La Citta' Eccentrica*, Edizioni Nuova Arnica, Roma, Aprile 1999.
22. "Information, Expectations and Stock Market Prices: what's wrong with the 'Extended Q' model of Investment Behaviour", *Studi Economici*, n.68, 1999, vol. 2.
23. "The finance of fixed and working capital: an exercise on stock-flow modelling", *Studi Economici*, n° 3, 1991.

Working papers:

1. "Liquidity flows in interbank liquidity networks", with Fabio Castiglionesi, presented at the conference 'Financial Networks', June 2011, Geneva Finance Research Institute, University of Geneva, Switzerland.
2. "Cross-holding of debt and mark-to-market contagion", presented at the '6th International Conference in Applied Financial Economics', Samos (Greece), July 2009.
3. "Systemic risk in financial networks: a graph-theoretic approach", presented at the Bank of England, May 2004. Refvgsised version presented at the Bank of Denmark and at the 'Finance Research Unit', University of Copenhagen, September 2007.
4. "Imitation and the diffusion of innovation in e-commerce", presented at the 7a conference international Society for Computational Economics (27-29 June 2001, Università di Yale, New Haven, USA). Available on the web site <http://www.econometricsociety.org/conference/SCE2001/SCE>

5. "Entrepreneurship, knowledge and innovation", May 2001, presented at the Università di Roma "La Sapienza", Dipartimento di Economia Pubblica, and at the Università di Salerno, Centro Studi Economia e Finanza.
6. "On the Computational Cost of Inference", mimeo, Aprile 1999. Presented at the conference 'Computing in Economics and Finance 2000', Barcelona (Spain), July 2000, and at the Inference Group Seminars, Department of Astrophysics, Cambridge University, Agosto 2000.
7. "Firms performance under uncertainty: the entrepreneur as a forecaster'", Working Paper n. 2, 1997, Collana ISFSE - CNR. Available on the web at www.isfse.na.cnr.it/pubblicazioni.htm. Presented at the Department of Economics, Stanford University, March 1997.
8. "On the theoretical weakness of the 'extended version' of the Q theory of investment", Discussion Paper n° 9506, School of Economics, University of East Anglia, Dicembre 1992.
9. "Is the Endogenous Money Supply driven by the Demand for Money Balances or by the Demand for Credit?", May 1990, mimeo.
10. "Wage Bargaining and Unemployment in U.K. over the period 1960-'85", March 1989, mimeo.

Prizes, grants and research funding:

Giugno 2011: Research contract "Accesso al credito per le aziende agricole e ruolo del credito commerciale nell'evoluzione del sistema agroalimentare", granted by Istituto Nazionale di Economia Agraria (now CREA), Rome, Italy. *Proposta di Affidamento Incarichi* Prot. N. 960 of 24/05/2011, approved by *Commissione di Valutazione* in date 07/06/2011.

November 1995: Research grant from the "Consiglio Nazionale della Ricerche" for studies in the field of Artificial Intelligence applied to decision making under uncertainty.

Maggio 1994: Research grant from the Fondazione "Federico Caffè".

Novembre 1993: Research grant from the 'Cambridge Political Economy Trust'.

Luglio 1990: Prize "La Petra", from the Rotary Club Italiano, for studies in the field of Banking Economics.

Luglio 1988: Research grant from the 'Istituto per la Ricostruzione Industriale'.

Member of the following PRIN:

2007 – 2009: Banche, imprese, territorio. Relazioni, vincoli, evoluzione, Coordinator prof. Giovanni Ferri.

2004 – 2006: Rischio sistemico, stabilità ed efficienza informativa dei mercati finanziari, Coordinator prof. Paolo Vitale.

2002 – 2004: Incertezza ed informazione nei mercati finanziari e nelle reti, Coordinator prof. Pietro Gottardi.

1999 - 2001: Trattamento dell'incertezza negli aspetti additivi e non additivi con applicazioni alle decisioni economiche e ai sistemi finanziari, Coordinator prof. Romano Scozzafava.

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV