

ALLEGATO B

UNIVERSITÀ DEGLI STUDI DI MILANO

selezione pubblica per n.____ posto/i di Ricercatore a tempo determinato ai sensi dell'art.24, comma 3, lettera b) della Legge 240/2010 per il settore concorsuale SECS-P/01 - Economia Politica , settore scientifico-disciplinare 13/A1 - Economia Politica presso il Dipartimento di Dipartimento di ECONOMIA, MANAGEMENT E METODI QUANTITATIVI, (avviso bando pubblicato sulla G.U. n. 35 del 04/05/2021) Codice concorso 4619

[Nome e cognome] CURRICULUM VITAE

(N.B. IL CURRICULUM NON DEVE ECCEDERE LE 30 PAGINE E DEVE CONTENERE TUTTI GLI ELEMENTI UTILI ALLA VALUTAZIONE DEI TITOLI SOTTOPOSTI AL GIUDIZIO DELLA COMMISSIONE)

INFORMAZIONI PERSONALI (NON INSERIRE INDIRIZZO PRIVATO E TELEFONO FISSO O CELLULARE)

COGNOME	DI GUILMI
NOME	CORRADO
DATA DI NASCITA	9 APRILE 1972

TITOLI

TITOLO DI STUDIO

(indicare la Laurea conseguita inserendo titolo, Ateneo, data di conseguimento, ecc.)

Economia e Commercio, Università' di Ancona, 18/02/2000

TITOLO DI DOTTORE DI RICERCA O EQUIVALENTI, OVVERO, PER I SETTORI INTERESSATI, DEL DIPLOMA DI SPECIALIZZAZIONE MEDICA O EQUIVALENTE, CONSEGUITO IN ITALIA O ALL'ESTERO

(inserire titolo, ente, data di conseguimento, ecc.)

Dottore di ricerca in Economia Politica, Università' Politecnica delle Marche, Marzo 2008

ATTIVITÀ DIDATTICA A LIVELLO UNIVERSITARIO IN ITALIA O ALL'ESTERO

(inserire anno accademico, ateneo, corso laurea, ecc.)

"Macroeconomics II", PhD program in Economics, and "Advanced Macroeconomics", Honours program in Economics, University of Technology Sydney, 2015-2021 (coordination).

"Intermediate Macroeconomics", Bachelor of Business, University of Technology Sydney, 2015-2021 (coordination).

"Economics for Management", MBA program, Graduate School of Business, University of Technology Sydney, 2013-2014 (coordination).

"Economics for Business", Bachelor of Business, University of Technology Sydney, 2012 (coordination).

"Economics for Management", MBA program, Graduate School of Business, University of Technology Sydney, years 2009, 2010, 2011 and 2016.

"Aggregation and stochastic dynamics", Course module of undergraduate program, Università Politecnica delle Marche, Ancona, 2007-2008.

"Statistical distribution of firms", Course module of the PhD program in Economics, Università Politecnica delle Marche, Ancona, Italy, May 2006.

"Statistical distribution of firms: theory and evidence", Course module of undergraduate program, Università Politecnica delle Marche, Ancona, Italy, 2003/04.

Other teaching activities

Invited lecturer at the School on Computational Social Science - Center for Computational Social Science, Kobe University, February 28 -March 1, 2020.

Public lecture on "Inequality and complexity", United International College, Zhuhai, 13/11/2019.

Public lecture on "Agent-based modelling in macroeconomics", United International College, Zhuhai, 21/11/2018.

Research Workshop "Agent Based Modelling: Numerical Solution and Stochastic Aggregate Dynamics". Bamberg Doctoral Research Group on Behavioral Macroeconomics, September 25-26, 2017.

Guest lecturer at "Applied Macro-Modelling: Fully Scalable Models" winter school, University of Limerick, January 2015.

Guest lecturer at "Mathematics of Multilevel Anticipatory Complex System" summer school, Università Politecnica delle Marche, September 2014.

"Building a transitional step: integrating writing into first year Economics", Teaching Grant, University of Technology Sydney, 2012.

DOCUMENTATA ATTIVITÀ DI FORMAZIONE O DI RICERCA PRESSO QUALIFICATI ISTITUTI ITALIANI O STRANIERI;

(inserire anno accademico, ente, corso, ecc.)

Senior Lecturer (Associate Professor) at the Economics Discipline Group - Business School, University of Technology Sydney (2016 - current).

Co-director of the program in Behavioural Macroeconomics at the Centre for Applied Macroeconomic Analysis, Australian National University (from 2015);

Research fellow at the Center for Computational Social Science (CCSS), Kobe University (from 2020).

Coordinator of the Honours program in economics, University of Technology Sydney (from 2017);

Associate Editor of the Journal of Computational Social Science (from 2019).

Associate Editor of the Review of Keynesian Economics (2012-2020).

November-December 2017, January and December 2019: Visiting Fellow at Graduate School of Simulation Studies, University of Hyogo.

October 2017: Visiting Fellow at Department of International Business and Economics, University of Greenwich.

September 2017: Visiting Fellow at Department of Economics, University of Bamberg.

November-December 2013: Visiting Fellow at S~ao Paulo Business School - Fundacao Getulio Vargas.

September 2013: Visiting Fellow at New School for Social Research, New York.

2012-2015: Lecturer at the Economics Discipline Group - Business School, University of Technology Sydney;

2008-2012: Post-Doctoral Research Fellow at the School of Finance and Economics - Business School, University of Technology Sydney.

DOCUMENTATA ATTIVITÀ IN CAMPO CLINICO

(indicare, data, durata, ruolo, ente presso il quale si è prestata attività assistenziale, ecc.)

REALIZZAZIONE DI ATTIVITÀ PROGETTUALE

(indicare, data, progetto, ecc.)

ORGANIZZAZIONE, DIREZIONE E COORDINAMENTO DI GRUPPI DI RICERCA NAZIONALI E INTERNAZIONALI, O PARTECIPAZIONE AGLI STESSI

(per ciascuna voce inserire anno, ruolo, gruppo di ricerca, ecc.)

Evaluation of the catallaxy paradigm for decentralized operation of dynamic application network (CATNETS) (European VI Framework Programme), 2003-2006 (participant).

Financial fragility, complex dynamics in agent based models: theory and empirical evidence (financed by Italian Minister of Research), 2004-2006 (participant).

Economic Growth: Institutional and Social Dynamics (financed by Italian Minister of Research), 2005-2007 (participant).

Eurace: An agent-based software platform for European economic policy design with heterogeneous interacting agents: new insights from a bottom up approach to economic modeling and simulation (EU funded FET Proactive Initiative), 2006-2009 (participant).

POLHIA: Monetary, Fiscal and Structural Policies with Heterogeneous Agents (EU FP7), 2008-2011 (participant).

Macroeconomic effects of financial instability: a stochastic framework, University of Technology Sydney - Faculty of Business Research Grant 2009 (leader).

Financial markets, investment and the macroeconomy in a complex system framework, University of Technology Sydney - Faculty of Business Research Grant 2010 (leader).

Dynamic stochastic aggregation in a multisectoral economy, University of Technology Sydney - Faculty of Business Research Grant 2011 (leader).

Macroeconomic effects of the volatility in financial market, University of Technology Sydney - Faculty of Business Research Grant 2012 (leader).

Macroeconomic Instability and Microeconomic Financial Fragility: A Stock-Flow Consistent Approach with Heterogeneous Agents, Institute for New Economic Thinking research grant, 2013 (leader).

Income inequality and household debt: a stock-flow consistent approach with heterogeneous agents, University of Technology Sydney - Business School Research Grant 2016 (leader).

Macro-Economy under COVID-19 influence: Data-intensive analysis and the road to recovery, Research Institute of Economy, Trade and Industry (RIETI), 2020 - 2022 (participant).

TITOLARITÀ DI BREVETTI

(per ciascun brevetto, inserire autori, titolo, tipologia, numero brevetto, ecc.)

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ATTIVITÀ DI RELATORE A CONGRESSI E CONVEGNI NAZIONALI E INTERNAZIONALI

(inserire titolo congresso/convegno, data, ecc.)

APFA4 Applications of Physics in Financial Analysis 4th International Conference, 13 - 15 November 2003, Warsaw University of Technology, Warsaw, Poland;

Econophysics Colloquium 2006 and Third Bonzenfreies Colloquium, November 23-25, 2006, International Christian University (ICU), Tokyo, Japan;

APFA6 - Applications of Physics in Financial Analysis, 6th International Conference, 4 - 7 July 2007, Lisbon, Portugal;

Econophysics Colloquium and Beyond, September 27-29, 2007, Università Politecnica delle Marche, Ancona, Italy;

The Institutional and Social Dynamics of Growth and Distribution, Lucca, Italy, 10-12 December 2007.

14th International Conference On Computing In Economics And Finance, Paris, France, 26-28 June 2008.

MDEF2008, Urbino, Italy, 25-27 September 2008.

European Economics and Finance Society 2009 conference, Warsaw, Poland, 4-7 June 2009.

International Conference on Economic Science with Heterogeneous Interacting Agents, Beijing, China, 18-20 June 2009.

15th International Conference on Computing in Economics and Finance, Sydney, Australia, 15-17 July 2009.

Paul Woolley Centre for Capital Market Disfunctionality annual Conference, Sydney, Australia, 28-30 October 2009.

6th International Workshop on Agent-based Approaches in Economic and Social Complex Systems, Taipei, Taiwan, 13-14 November 2009.

Eastern Economic Association 36th Annual Conference, Philadelphia, USA, 26 - 28 February, 2010.

11th Workshop on Optimal Control, Dynamic Games and Nonlinear Dynamics, Amsterdam, 31 May - 2 June 2010.

Invited speaker at the Interacting Agents and Nonlinear Dynamics in Macroeconomics workshop, University of Udine, 9-11 June 2010.

The Hyman P. Minsky Summer Seminar, Levy Economics Institute of Bard College, Annandale-on-Hudson, New York, USA - 27-29 June 2010.

16th International Conference on Computing in Economics and Finance - London, United Kingdom, 15-18 July 2010.

39th Australian Conference of Economists, Sydney, Australia 27-29 September 2010.

Eastern Economic Association 37th Annual Conference, New York, USA, 25 - 27 February, 2011.

16th Workshop on Economic Science with Heterogeneous Interacting Agents, Ancona, Italy, 23-25 June 2011.

10th Conference of the Society of Heterodox Economists, Sydney, Australia, 5-6 December 2011.

Quantitative Methods in Finance 2011, Sydney, Australia, 14-17 December, 2011.

Eastern Economic Association 38th Annual Conference, Boston, USA, 9 - 11 March, 2012.

18th International Conference on Computing in Economics and Finance, Prague, Czech Republic, 27-29 June 2012.

Eastern Economic Association 39th Annual Conference, New York, USA, 9 - 11 May, 2013.

World Keynes Conference, Izmir, Turkey, 26-28 June, 2013.

Interlinkages and systemic risk, Ancona, Italy, 3-4 July, 2013.

Mathematics for New Economic Thinking, Toronto, Canada, 31 October - 2 November, 2013 (invited).

Analytical Political Economy, Wesleyan University, 4-5 April, 2014 (invited).

IWcee14 - International Workshop on Computational Economics and Econometrics: The Socio-Economics of Networks: Theory and Applications Rome, 26-27 of June, 2014.

Agent-Based Modeling and Stock-Flow Consistent Macroeconomics, Ancona, Italy, 19-20 September 2014 (invited).

21st International Conference on Computing in Economics and Finance, Taipei, Taiwan, 20-22 June 2015.

90th American Western Association International, Honolulu, USA, 29 June - 2 July 2015.

21st annual Workshop on the Economic Science with Heterogeneous Interacting Agents (WEHIA), Castellon de la Plana, Spain, 22-24 June, 2016.

22nd International Conference on Computing in Economics and Finance, Bordeaux, France, 26-28 June 2016.

Economics, Economic Policies and Sustainable Growth in the Wake of the Crisis, Ancona, Italy, 8-10 September, 2016.

23rd International Conference on Computing in Economics and Finance, New York, USA, 28-30 June 2017.

24th International Conference on Computing in Economics and Finance, Milan, Italy, 19-21 June 2018.

Keynote speaker at the VI and VII Asian Quantitative Finance Conference, Guangzhou, China, 18-19 November 2018 and Zhuhai, China, 9-10 November 2019.

24th Annual Workshop on Economic Science with Heterogeneous Interacting Agents (WEHIA), London, UK, 24-26 June 2019.

Dynamics in Finance and Economy on economic networks, Research Institute for Economics, Tourism, and Industry, Tokyo, Japan, 9-10 October 2019.

CONSEGUIMENTO DI PREMI E RICONOSCIMENTI NAZIONALI E INTERNAZIONALI PER ATTIVITÀ DI RICERCA
(inserire premio, data, ente organizzatore, ecc.)

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POSSESSO DEL DIPLOMA DI SPECIALIZZAZIONE EUROPEA RICONOSCIUTO DA BOARD INTERNAZIONALI
(relativamente a quei settori concorsuali nei quali è prevista)
(indicare diploma, data di conseguimento, ecc.)

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TITOLI DI CUI ALL'ARTICOLO 24 COMMA 3 LETTERA A) E B) DELLA LEGGE 30 DICEMBRE 2010, N. 240
(indicare se contratto di tipologia A o B, Ateneo, data di decorrenza e fine contratto, ecc.)

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PRODUZIONE SCIENTIFICA

PUBBLICAZIONI SCIENTIFICHE

(per ciascuna pubblicazione indicare: nomi degli autori, titolo completo, casa editrice, data e luogo di pubblicazione, codice ISBN, ISSN, DOI o altro equivalente)

BOOKS

Interactive macroeconomics. Stochastic Aggregate Dynamics with Heterogeneous and Interacting Agents, with M. Gallegati and S. Landini, Cambridge University Press, 2017.

The generation of business fluctuations: financial fragility and mean field interaction. Peter Lang Publishing Group: Frankfurt/M., 2008.

REFERRED JOURNALS ARTICLES

Convergence and divergence in dynamic voting with inequality with G. Galanis, Journal of Economic Behavior and Organization, Volume 187, 2021, Pages 137-158, ISSN 0167-2681, <https://doi.org/10.1016/j.jebo.2021.04.013>.

An analytical solution for network models with heterogeneous and interacting agents, with M. Gallegati, S. Landini and J. E. Stiglitz. Journal of Economic Behavior and Organization, Volume 171, 2020, Pages 189-220, ISSN 0167-2681, <https://doi.org/10.1016/j.jebo.2020.01.017>.

Technological unemployment and income inequality: a stock-flow consistent agent-based approach, with L. Barbosa de Carvalho. Journal of Evolutionary Economics, 30, 2020, pages 39-73. <https://doi.org/10.1007/s00191-019-00628-9>

Modelling the “Animal Spirits” of Bank’s Lending Behaviour with C. Chiarella and T. Zhi. Studies in Nonlinear Dynamics and Econometrics, vol. 24, no. 2, 2020. <https://doi.org/10.1515/snde-2016-0095>.

Uncertainty, rationality and complexity in a multi-sectoral dynamic model: the Dynamic Stochastic Generalized Aggregation approach, with M. Catalano. Journal of Economic Behavior and Organization, Volume 157, 2019, Pages 117-144, ISSN 0167-2681.

The agent-based approach to Post Keynesian macro-modeling. Journal of Economic Surveys, 2017, Vol. 31, No. 5, pp. 1183-1203.

The Dynamics of Leverage in a Minskyan Model with Heterogeneous Firms, with L. Barbosa de Carvalho. Journal of Economic Behavior and Organization, Volume 140, August 2017, Pages 70-90, ISSN 0167-2681, <https://doi.org/10.1016/j.jebo.2017.04.016>.

Monetary Policy and Debt Deflation: Some Computational Experiments, with C. Chiarella. Macroeconomic Dynamics, Cambridge University Press, vol. 21(01), 2017, pages 214-242.

Limit Distribution of Evolving Strategies in Financial Markets, with C. Chiarella. Studies in Nonlinear Dynamics and Econometrics. Vol. 19 No.2, 2015, pp. 137-159.

Herding, Trend Chasing and Market Volatility, with X.Z. He and K. Li. Journal of Economic Dynamics and Control. Vol. 48, 2014, pp. 349-373.

Financial instability and debt deflation dynamics in a bottom-up approach, with C. Chiarella. Economics Bulletin, Vol. 34 No. 1, 2014, pp. 125-132.

The Fiscal Cost of Financial Instability, with C. Chiarella. *Studies in Nonlinear Dynamics and Econometrics*, Vol: 4(5), 2012.

Reconstructing Aggregate Dynamics in Heterogeneous Agents Models: A Markovian approach, with D. Delli Gatti, M. Gallegati, and S. Landini. *Revue del l'OFCE*, No:124, 2012, pp. 117-146.

On the mean/variance relationship of the firm size distribution: Evidence and some theory, with E. Gaffeo, M. Gallegati and A. Russo. *Ecological Complexity*, Vol: 11, 2012, pp. 109-117.

The Financial Instability Hypothesis: a Stochastic Microfoundation Framework, with C. Chiarella. *Journal of Economic Dynamics and Control*, Vol: 35(8), 2011, pp. 1151-1171.

A MaxEnt Model for Macro-Scenarios Analysis, with M. Gallegati and S. Landini. *Advances in Complex System*, Vol: 11(5), 2008, pp. 719-744.

Scaling laws in the Macroeconomy, with D. Delli Gatti, M. Gallegati, E. Gaffeo, G. Giulioni, A. Palestini. *Advances in Complex Systems*, Vol: 11(1), 2008 pp. 131-138.

Social Networks and Labor Productivity in Europe: an Empirical Investigation, with F. Clementi, T. Di Matteo, M. Gallegati. *Journal of Economic Interaction and Coordination*, Vol: 3(1), June 2008 pp. 43-57.

Economic Dynamics with Financial Fragility and Mean-Field Interaction: a Model, with M. Gallegati and S. Landini. *Physica A: Statistical Mechanics and its Applications*, Vol: 387(15), 15 June 2008, pp. 3852-3861.

Financial Fragility, Industrial Dynamics and Business Fluctuations in an Agent Based Model, with M. Gallegati, D. Delli Gatti and G. Giulioni. *Macroeconomic Dynamics*, Vol: 11(S1), November 2007, pp. 62-79.

International Evidence on Business Cycle Magnitude Dependence: An Analysis of 16 Industrialized Countries, 1881-2000, with E. Gaffeo, M. Gallegati, A. Palestini. *International Journal of Applied Econometrics and Quantitative Studies*, Euro-American Association of Economic Development, vol. 2(1), 2005, pp. 5-16.

A New Approach to Business Fluctuations: Heterogeneous Interacting Agents, Scaling Laws and Financial Fragility, with D. Delli Gatti, E. Gaffeo, M. Gallegati, G. Giulioni, A. Palestini. *Journal of Economic Behavior and Organization*, Vol. 56(4), 2005, pp. 489-512.

Do Pareto-Zipf and Gibrat Law Hold True? An Analysis with European Firms, with Y. Fujiwara, M. Gallegati, H. Haoyama, W. Souma. *Physica A: Statistical Mechanics and its Applications*, Volume 335(1-2), 1 April 2004, pp. 197-216.

Gibrat and Pareto-Zipf revisited with European firms, with Y. Fujiwara, M. Gallegati, H. Haoyama, W. Souma. *Physica A: Statistical Mechanics and its Applications*, Vol: 344(1-2), 1 December 2004, pp. 112-116.

Scaling Invariant Distributions of Firm's Exits in OECD Countries, with M. Gallegati, P. Ormerod. *Physica A: Statistical Mechanics and its Applications*, Vol: 334(1-2), 1 March 2004, Pages 267-273.

Empirical Results on the Size Distribution of Business Cycle Phases, with E. Gaffeo, M. Gallegati. *Physica A: Statistical Mechanics and its Applications*, Vol: 333, 15 February 2004, Pages 325-334.

Bankruptcy as an Exit Mechanism for Systems with a Variable Number of Components, with E. Gaffeo, M. Gallegati. *Physica A: Statistical Mechanics and its Applications*, Vol: 344(1-2), 1 December 2004, pp. 8-13.

Business Cycle Fluctuations and Firms' Size Distribution Dynamics, with D. Delli Gatti, E. Gaffeo, M. Gallegati, G. Giulioni, A. Palestini. *Advances in Complex Systems*, Vol.: 7(2), 2004, pp. 223-240.

Power Law Scaling in World Income Distribution, with E. Gaffeo and M. Gallegati. *Economics Bulletin*, Vol: 15(6), 2003, pp. 1-7.

CHAPTERS IN BOOKS

The macroeconomy as a complex system: the statistical mechanics interpretation of Aoki and beyond, with M. Gallegati and S. Landini, in *Complexity, Heterogeneity and the Methods of Statistical Physics in Economics: In memory of Masanao Aoki*, eds. H. Aoyama, Y. Aruka, and H. Yoshikawa. Springer.

The agent-based approach to Post Keynesian macro-modeling, in *Analytical Political Economy*, eds. R. Veneziani and L. Zamparelli. John Wiley & Sons: Hoboken, 2018, pp. 39-61.

Learning and Macro-Economic Dynamics, with S. Landini, M. Gallegati, J. E. Stiglitz and X. Li, in *Nonlinear Economic Dynamics and Financial Modelling*, eds. R. Dieci, X.-Z. He and C. Hommes. Springer-Verlag: Berlin Heidelberg, 2014, pp. 109-134.

A reconsideration of the formal Minskyan analysis: microfoundation, endogenous money and the public sector, with C. Chiarella, in *Global Analysis of Dynamic Models in Economics and Finance*, eds. G.I. Bischi, C. Chiarella and I. Sushko. Springer-Verlag: Berlin Heidelberg, 2013, pp. 63-81.

Towards an Analytical Solution for Agent Based Models: an Application to the Credit Network, with M. Gallegati, S. Landini and J. E. Stiglitz, in: *Complexity and Institutions: Markets, Norms and Corporations*, eds. M. Aoki, K. Binmore, S. Deakin and H. Gintis, Palgrave: London, 2012, pp. 61-78.

Financial Fragility, Mean-Field Interaction and Macroeconomic Dynamics: a Stochastic Model, with M. Gallegati and S. Landini, in: *Institutional and Social Dynamics of Growth and Distribution*, ed. N. Salvadori. Edward Elgar publ., 2010, pp. 323-351.

Firms' Size Distribution and Growth Rates as Determinants of Business Fluctuations, with D. Delli Gatti, E. Gaffeo, M. Gallegati, G. Giulioni, A. Palestini, in *Economics: Complex Windows*, eds. A. Kirman, M. Salzano. Springer: Milan, 2005, pp. 181-186.

Data

02/06/2021

Luogo

Sydney (Australia)