Dr. ALESSANDRO CAIANI

PERSONAL INFORMATION

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Other webpages:
https://www.researchgate.net/profile/Alessandro_Caiani
https://scholar.google.com/citations?hl=it&user=k-5olMcAAAAJ

EDUCATION

- December 2012 – Ph.D. in Economic Sciences at University of Pavia.
  Thesis: "Innovation and Finance: New Perspectives in Neo-Schumpeterian Economics"
- April 2009 - Master Degree in Economics (Political Economy) –University of Pavia.
  Final Mark: 110/110 with honours
- December 2005 - Bachelor Degree in Economics (Political Economy) – University of Pavia.
  Final Mark: 110/110 with honours.

PROFESSIONAL EXPERIENCE – ACADEMIC POSITIONS

- **December 2017 – now: Assistant Professor (RTD-A researcher) at the Department of economics and Management, University of Pavia**
- October 2016 – November 2017: Post-doc researcher at Marche Polytechnic University, Department of Management.
- May 2016 – October 2016 Term Contract (Co. Co. Co.) at Marche Polytechnic University, Department of Management.
  Project: FP7 Symphony. Web page: http://projectsymphony.eu
- December 2014 – April 2016 Post-doc researcher at Marche Polytechnic University, Department of Economic and Social Sciences.
  Project: FP7 Mathematics of Multilevel Anticipatory Complex Systems (MatheMACS).
  Web page: https://www.mathemacs.eu/index/
- November, 1st 2013 - October, 31th 2014 – Post-doc researcher at Marche Polytechnic University, Department of Economic and Social Sciences.
  Project: Agent Based and Stock Flow Consistent Modeling Program funded by the Institute for New Economic Thinking (INET).
- November 2013 – March 2014 – Visiting scholar at the Kemmy Business School, University of Limerick.

OTHER PROFESSIONAL EXPERIENCE

- 2009 – May 2010 - External consultant in the "Responsible Business in the Blogosphere" research project of the Copenaghen Business School (supervised by Prof. Adam Arvidsson).
- A.Y. 2004-2005 - Tutor of Macroeconomics at University of Pavia.
- A.Y. 2003-2004 - Tutor of Statistics at University of Pavia.

PROFESSIONAL RECOGNITION

National Scientific Habilitation – Associate Professor (II Fascia) for the Scientific Sectors:

- 13/A1 (Economia Politica) - From 26/07/2018 to 26/07/2024
- 13/A2 (Politica Economica) – From 20/8/2018 to 20/8/2024

RESEARCH ACTIVITY

PUBCLICATIONS

Articles on Peer-Reviewed Anvur Class A Journals:

- "Are Higher Wages Good for Business? An Assessment Under Alternative Innovation and Investment Scenarios" (Caiani, A., Russo, A. and Gallegati, M.), *Macroeconomic Dynamics* (Cambridge University Press), 7/2018, 1-40. DOI:10.1017/S1365100518000299. Available online, printed version forthcoming (2018).
- "The Effects of Fiscal Targets in a Monetary Union: a Multi-Country Agent Based-Stock Flow Consistent Model" (Caiani, A., Catullo, E. and Gallegati, M., 2017), *Industrial and Corporate Change* (Oxford University Press), 4/2018. DOI: 10.1093/icc/dty016. Available online, printed version forthcoming (2018).
- "Does Inequality Hamper Innovation and Growth?" (Caiani, A., Russo, A. and Gallegati, M., 2018), *Journal of Evolutionary Economics* (Springer), 2/2018; DOI: https://doi.org/10.1007/s00191-018-0554-8. Available online, printed version forthcoming (2018).
- "Agent Based-Stock Flow Consistent Macroeconomics: Towards a Benchmark Model" (Caiani, A., Godin, A., Caverzasi, E., Gallegati, M., Kinsella, S. and Stiglitz, J., 2016), *Journal of Economic Dynamics and Control* (Elsevier), 6/2016, Vol.69, pp.375-408.
- "A Stock Flow Consistent Analysis of a Schumpeterian Innovation Economy" (Caiani, A., Godin, A., and Lucarelli, S., 2014), *Metroeconomica* (Wiley), 7/2014, Vol. 65(3).
- "Innovation and Finance: an SFC Analysis of Great Surges of Development" (Caiani, A., Godin, A., and Lucarelli, S., 2014), *Journal of Evolutionary Economics* (Springer) 03/2014; Vol 24(2).

Articles on Other International Peer-Reviewed Journals:

- "Innovation Dynamics and Industry Structure under Different Technological Spaces" (Caiani, A., 2017), *Italian Economic Journal* (Springer, former *Rivista Italiana degli Economisti)*, 03/2017; Vol.3(3).

- “Monetary Policy Transmission in a Macroeconomic Agent Based Model” (Schasfoort, J., Godin, A., Bezemer, D., Caiani, A., and Kinsella, S., 2018), *Advances in Complex Systems* (World Scientific) 2018; Vol. 25(1).

- “Contemporary Capitalism as a New Monetary Economy of Production”. (Caiani, A., Lucarelli, S., and Funagalli, A., 2014), *Forum for Social Economics* (Taylor and Francis) 09/2014; Vol. 43(3).

Book Chapters:

- “Decentralized Interacting Macroeconomic Models and the Agent Based "Modellaccio” (Caiani, A. and Caverzasi, E., 2017) in Russo, A., Palestrini, Gallegati, M. (Eds.) “Introduction to Agent-Based Economics”, *Elsevier*, Under Production, forthcoming 2017.
- “A simple model of business fluctuations with heterogeneous interacting agents and credit networks” (Bargigli, L., Caiani, A., Russo, A., and Riccetti, L., 2016). Book chapter in Caiani, A., Gallegati, M., Palestrini, A. and Russo, A. (Eds), “Economics with Heterogeneous Interacting Agents: a Practical Guide to Agent Based Modelling”, 10/2016, *Springer*.
- “Innovation and Finance: an SFC Analysis of Great Surges of Development” (Caiani, A., Godin, A., and Lucarelli, S., 2015). Book chapter in Pyka, A. and Foster, J. (Eds), “The Evolution of Economic and Innovation Systems”, *Springer*, 2015.
- “The Bank of Italy”, entry for the Elgar “Encyclopedia of Central Banking” (eds. L.P. Rochon and S. Rossi), *Edward Elgar Publishing* (2015).
- “Why Do We have Business Cycles? A Stock Flow Consistent Explanation” (Caiani, A., Godin, A. and Lucarelli, S.) in “New Perspectives in the Monetary Theory of Production”, *Sestante Edizioni* (2012).

Working Papers:

- “The Effects of Alternative Wage Regimes in a Monetary Union: a Multi-Country Agent Based-Stock Flow Consistent Model” (Caiani, A., Catullo, E. and Gallegati, M.). Under revision for the *Journal of Economic Behavior and Organization* (Elsevier). WP version available at SSRN: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3118643

Books Edited:

- “Economics with Heterogeneous Interacting Agents: a Practical Guide to Agent Based Modelling.” (Caiani. A., Russo, A., Palestrini, A. and Gallegati, M.), 10/2016, *Springer*. Available on Springer website: http://www.springer.com/us/book/9783319440569

AWARDS

- June 2009 - Awarded of Fondazione Cariplo annual award as “Best graduated student of the Faculty of Economics, University of Pavia”.
- November 2014 – Special Honorable Mention at the “Eaepe-Kapp Prize Competition” at the 26th EAEPE Conference, with the paper “A Stock Flow Consistent Analysis of a Schumpeterian Innovation Economy”, *Metroeconomica* (Wiley), 7/2014, Vol. 65(3).

- February 2015 - Routledge "Social Sciences Most Read" in 2014 with the article "Contemporary Capitalism as a New Monetary Economy of Production", *Forum for Social Economics*, Vol. 43(3).
- November 2016 – Winner of the "2016 Eaepe-Kapp Prize Competition" awarded at the 28th EAEPE Conference, with the paper: "Innovation and Finance: an SFC Analysis of Great Surges of Development" (Caiani, A., Godin, A., and Lucarelli, S.), *Journal of Evolutionary Economics* (Springer) 03/2014; Vol 24(2).
- August 2016 – Now – The article "Agent based-stock flow consistent macroeconomics: Towards a benchmark model" included in the "*Journal of Economic Dynamics and Control most downloaded articles: the most downloaded articles from Journal of Economic Dynamics and Control in the last 90 days.*" https://www.journals.elsevier.com/journal-of-economic-dynamics-and-control/most-downloaded-articles

TEACHING ACTIVITY

- **A.Y. 2017-2018 – Lecturer of the course of "Economic Policy" at the University of Pavia (9 CFU - 66 hours)**
- September 2018 – Invited lecturer at the EAEPE Young Scholars Pre-Conference in Nice: workshop on "Agent Based-Stock Flow Consistent Modelling".
- November 2017 – Invited lecturer at the EAEPE Young Scholars Pre-Conference in Budapest: workshop on "Agent Based-Stock Flow Consistent Modelling".
- May 2017– Invited Lecturer at the Leeds University Business School PhD Program (UK). Crash course on Agent Based-Stock Flow Consistent Macroeconomic Modeling.
- March 2017 – Invited Lecturer at the PhD Program in "Quantitative Methods for Economic Policy" of the University of Macerata. Crash Course on Alternative Macroeconomic Modeling Approaches.
- Mach 2017 – Lecturer for the course of Advanced Macroeconomics and Macroeconomia (advanced course 1° module) at the Marche Polytechnic University (held by Prof. Gallegati).
- November 2016 – Invited lecturer at the EAEPE Young Scholars Pre-Conference in Manchester: workshop on "Agent Based-Stock Flow Consistent Modelling".
- March 2016 - Lecturer for the course of Advanced Macroeconomics and Macroeconomia (advanced course 1° module) at the Marche Polytechnic University (held by Prof. Gallegati).
- September 2015 – Coordinator, Organizer, and Teacher at the "First Ancona-Milano Summer School on AB Economics" (http://absummerschool2015.univpm.it/) in Ancona.
- April 2015 – Lecturer for the course of Advanced Macroeconomics and Macroeconomia (corso progredito 1° modulo) at the Marche Polytechnic University (held by Prof. Gallegati).
- January 2015 – Invited Lecturer at the Winter School on Agent Based - Stock Flow Consistent Modelling "Applied Macro-Modelling: Fully Scalable Models - 2nd Edition" in Limerick.

- September 2014 – Teacher at the MatheMACS project Summer School “Analytical approaches to financial and economic problems” in Ancona.
- January 2014 – Invited Lecturer at the “Winter School on Agent Based and Stock Flow Consistent Modelling” in Limerick.
- A.Y. 2012-2013 – Lecturer for the course of Theory of Enterprise, Faculty of Economics at the University of Pavia.
- A.Y. 2012-2013 – Lecturer and tutor for the course of International Monetary Economics (20 hours), Faculty of Economics, University of Bergamo.

APPOINTMENTS:

- March 2018 – Now: Faculty Member of the PhD Program in Applied Economics and Management (AEM) at the University of Bergamo and Pavia.
- November 2017- Now: Scientific Coordinator of the Research Area of Evolutionary Economic Simulation of the European Association for Evolutionary Political Economy
- December 2018 – Now: Seminar Coordinator at the Department of Economics and Management of the University of Pavia

SPECIALIZATION COURSES

- June 2011 - The Hyman P. Minsky Summer Seminar, at Levy Economics Institute of Bard College, U.S.A.
- June 2011 - Summer School on Structural Change: Analyses, Experiences and Methodologies, at University of Pavia, Italy.
- December 2010 – La Crisi Finanziaria, analisi e modellizzazione. Stock Flow Consistent modeling course at University of Pavia- held by Prof. Gennaro Zezza (University of Cassino).
- October and March 2010 – Simulation Models courses at the University of Turin - Ph.D. Program in Economics and Complexity – held by Prof. Pietro Terna (University of Turin).
- November 2010 – Artificial Neural Networks School at the University of Turin - Ph.D. Program in Economics and Complexity.

SELECTED CONFERENCES

- October 2011 – Speaker at the “Schumpeterian-Keynesian Perspectives to Macroeconomics” workshop at University of Bergamo, Italy.
- March 2012 – Presenter at the “38-th Eastern Economic Association Annual Conference” held in Boston.
- July 2012 – Presenter at the “14th Conference of the International Schumpeterian Society” in Brisbane.
- July 2012 –Presenter at the “AHE, IIPPE, FAPE Joint Conference” in Paris

- December 2012 – Presenter at the “6th Dijon International Conference - Sovereign Debt, Economic Policies and Bank Reforms”. Session: “Post-Keynesian Modeling”.
- February 2013 - Presenter at the “XII AISPE (Associazione Italiana per la Storia del Pensiero Economico) conference”.
- March 2013 - Invited Speaker at the INET Young Scholars Initiative “Stocks and Flows” reading group.
- May 2013 - Speaker at the first meeting (Dijon) of the international workshops series on Agent-Based & Stock Flow Consistent Modeling: “Going further... together”.
- August 2013 - Speaker at the second meeting (Limerick) of the international workshops series on Agent-Based & Stock Flow Consistent Modeling: “Going further... together”.
- February 2014 – Speaker at the ”International Workshop On Environmental Modelling” in Limerick.
- July 2014 – Presenter at the “15th Conference of the International Schumpeterian Society” in Jena – Session “AB Modelling”.
- September 2014 – Presenter at the “Social Simulation Conference” in Barcelona
- September 2014 – Organizer and speaker at the INET “Agent Based and Stock Flow Consistent Modeling Program Conference” in Sirolo (Ancona).
- November 2014 – Presenter at the 26th EAEPE Conference” in Nicosia
- January 2015 – Presenter and session organizer at the 41th Eastern Economic Association Conference in New York.
- April 2015 – Invited speaker the INET Annual Conference “Liberté, Egalité, Fragilité” in Paris.
- May 2015 – Presenter at the 20th WEHIA conference in Sofia Antipolis - Nice.
- September 2015 – Presenter at the 27th EAEPE Conference in Genoa
- October 2015 – Presenter at the 56th SIE Conference in Naples.
- September 2016 – Organizer and Presenter at the “Economics, Economic Policies and Sustainable Growth in the Wake of the Crisis” Conference in Ancona.
- November 2016 – Presenter at the 28th EAEPE Conference in Manchester.
- June 2017 - Presenter at the 22th WEHIA Conference in Milan (Catholic University)
- June 2017 - 23rd International Conference “Computing in Economics and Finance”, Fordham University, Lincoln Center Campus, New York City (US)
- September 2017 – Presenter at the “Finance and Economic Growth in the Aftermath of the Crisis” Conference, Universita' degli Studi di Milano, Dipartimento di Economia, Management e Metodi Quantitativi (DEMM), Milan.
- November 2017 - Presenter at the 29th EAEPE Conference in Budapest.
- July 2018 – Presenter at the 23th WEHIA Conference in Tokyo.
- September 2018 - Presenter at the 30th EAEPE Conference in Nice.
- December 2018 - Presenter at the MACME V Workshop in Paris.

PARTICIPATON TO INTERNATIONAL PROJECTS

- Institute For New Economic Thinking (INET) Task Force on Macroeconomic Efficiency and Stability, chaired by Prof. Joseph Stiglitz (Columbia Business School). Agent Based-Stock Flow Consistent Program, headed by Prof. Mauro Gallegati (Marche Polytechnic University) and Prof. Stephen Kinsella (University of Limerick).
- Mathematics of Multilevel Anticipatory Complex Systems (MatheMACS).
  European 7th Framework Program, Project reference: 318723
  Web page: https://www.mathemacs.eu/index/)
- Project Symphony.
  European 7th Framework Program, Project reference: 611875
  Web page: http://projectsymphony.eu

ORGANIZATION OF EVENTS

- Organizer of the sessions for the Research Area "Evolutionary Economic Simulations" at the 30th EAEPE Conference in Nice (September 2018) and of the Special Sessions "Financial stability, monetary policy and inequality: agent-based and stock-flow consistent approaches" and "The economic and financial impact of climate change".
- September 2016 – Member of the Organizing Committee of the "Economics, Economic Policies and Sustainable Growth in the Wake of the Crisis" Conference, Ancona, Italy.
- December 2015 – Organizer of the "Large-scale Crises: 1929 vs 2008" International Conference, Ancona, Italy
- September 2015 – Scientific Coordinator, with Prof. Tiziana Assenza (Catholic University of Milan), of the "First Ancona-Milano Summer School on AB Economics" (http://absummerschool2015.univpm.it/) in Ancona.
- January 2015 – Organizer of the special sessions "Agent Based-Stock Flow Consistent Modelling: Analytical and Computational Approaches" at the 41th Eastern Economic Association Conference in New York.
- September 2014 – Organizer of the INET "Agent Based and Stock Flow Consistent Modeling Program Conference" in Sirolo (Ancona).

LANGUAGES

ITALIAN: Native Speaker
ENGLISH: Fluent

COMPUTER SKILLS

Operating Systems:
Windows, Ubuntu.
Office Suites:

Microsoft Office, Open Office, Latex.

Programming Languages:

Java, Python.

Mathematical/Computational software:

Mathematica

Econometric and Statistical Software:

R, Gretl, Eviews, Gauss

Agent Based Modelling:

Java Macro Agent Based Tool Kit (Main Developer), Netlogo, Swarm-like Agent Protocols in Python (SLAPP)

Network Analysis Software:

Pajek, R

OTHER TECHNICAL SKILLS

Main Developer of the Java Macro Agent Based Simulation Tool Suite (JMAB) available at: https://github.com/S120/jmab

RESEARCH INTERESTS

Economics of Innovation;
Macroeconomics and Economic Policy;
Monetary Economics;
Growth Theories;
Agent Based Simulation Models;
Stock Flow Consistent Models.

REFEREEING ACTIVITY

- Journal of Evolutionary Economics
- Industrial and Corporate Change
- Journal of Economic Interaction and Coordination
- Review of Keynesian Economics
- PSL Quarterly Review
- Italian Economic Journal
- Macroeconomic Dynamics
- Journal of Economic Dynamics & Control
- Ecological Economics