

# Alessio Moneta

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## Contact information

Institute of Economics  
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## Personal information

Born: 7 February 1975, Pisa  
Citizenship: Italian

## Current position

Assistant professor of Economic Policy (*Ricercatore e professore aggregato* SECS - P/02), Scuola Superiore Sant'Anna, Pisa, since January 2012.

## Institutional activity

Member of the Italian National University Council (CUN), since February 2015.

## Previous positions

- Research fellow, Max Planck Institute of Economics, Jena (Germany), from April 2006 until December 2011.
- Post doc research fellow, Scuola Superiore Sant'Anna, Pisa, from July 2004 until March 2006.

## Education

- Ph.D. in Economics, Doctoral Program in Economics and Management, Scuola Superiore Sant'Anna, Pisa, July 2004.
- Master in Management of Innovation, Scuola Superiore Sant'Anna, Pisa, December 1999.
- Laurea in Philosophy, University of Pisa, July 1998.

## Visiting periods

- Visiting Student (Huygens fellowship), Erasmus Institute for Philosophy and Economics, Erasmus University of Rotterdam (Netherlands), January - June 2004.
- Visiting Scholar, Department of Philosophy, Carnegie Mellon University, Pittsburgh, PA (USA), April 2002 - August 2003.
- Visiting Student (Marie Curie fellowship), Doctoral School in Economics, University Carlos III, Madrid (Spain), October 2001 - March 2002.
- Non-matriculated graduate student, Department of Philosophy, Carnegie Mellon University, Pittsburgh, PA (USA), January - July 2001.
- Erasmus student, Department of Humanities, Ruhr-Universität-Bochum (Germany), October 1996 - July 1997.

## Fields of specialization

Causal inference in empirical macroeconomics, causal model search, empirical demand analysis, philosophy and methodology of economics.

## Publications

### Journal Articles

Barigozzi, Matteo and Alessio Moneta (forthcoming), Identifying the independent sources of consumption variation, *Journal of Applied Econometrics*.

Moneta, Alessio and Federica Russo (2014), Causal models and evidential pluralism in econometrics, *Journal of Economic Methodology*, 21(1), 54-76.

Manig, Corinna, and Alessio Moneta (2014), More or Better? Quality versus Quantity in Food Consumption, *Journal of Bioeconomics*, 16(2), 155-178.

Chai, Andreas, and Alessio Moneta (2014), The Evolution of Engel Curves and Its Implications for Structural Change Theory, *Cambridge Journal of Economics*, 38(4), 895-923.

Chai, Andreas, and Alessio Moneta (2014), Escaping satiation dynamics: Some evidence from British household data, *Jahrbücher für Nationalökonomie und Statistik*, 34(2-3), 299-327.

Moneta, A., Entner, D., Hoyer, P. O. and Coad, A. (2013), Causal Inference by Independent Component Analysis: Theory and Applications. *Oxford Bulletin of Economics and Statistics*, 75(5), 705-730.

Chai, Andreas, and Alessio Moneta (2012), Back to Engel? Some evidence for the hierarchy of needs, *Journal of Evolutionary Economics*, 22, 649-676.

Chai, Andreas and Alessio Moneta (2010), Retrospectives: Engel Curves, *Journal of Economic Perspectives*, 24(1), 225-240.

Chai, Andreas and Alessio Moneta (2009), Comparing shapes of Engel curve, *Economics Bulletin*, 29(2), 1164-1170.

Moneta, Alessio (2008), Graphical Causal Models and VARs: an Empirical Assessment of the Real Business Cycles Hypothesis, *Empirical Economics*, 35(2) 275-300.

Fagiolo, Giorgio, Alessio Moneta, and Paul Windrum (2007), A Critical Guide to Empirical Validation of Agent-Based Economics Models: Methodologies, Procedures, and Open Problems, *Computational Economics*, 30, 195-226.

Windrum, Paul, Giorgio Fagiolo, and Alessio Moneta (2007), Empirical Validation of Agent-Based Models: Alternatives and Prospects, *Journal of Artificial Societies and Social Simulation*, 10(2), 8.

Moneta, Alessio (2005), Causality in macroeconometrics. Some considerations about reductionism and realism, *Journal of Economic Methodology*, 12(3), 433-453.

Moneta, Alessio (2005), Some Peculiarities of the Concept of Causality in Macroeconometrics, *History of Economic Ideas*, 13(3), 57-82.

Moneta, Alessio (2004), Identification of Monetary Policy Shocks. A Graphical Causal Ap-

proach, *Notas Económicas*, 20, 39-62.

### **Book Articles**

Chlaß, Nadine and Alessio Moneta (2009), Can Graphical Causal Inference Be Extended to Non-linear Settings? An Assessment of Conditional Independence Tests, in M. Dorato, M. Rédei, M. Suárez (eds.) *Epistemology and Methodology of Science: Launch of the European Philosophy of Science Association*, Springer Verlag, pp. 63-72.

Moneta, Alessio (2007), Mediating Between Causes and Probabilities: The Use of Graphical Models in Econometrics, in F. Russo and J. Williamson (eds.) *Causality and Probability in the Sciences*, London: College Publications, Texts in Philosophy Series, pp. 109-129.

Fagiolo, Giorgio, Alessio Moneta and Paul Windrum (2006), Confronting Agent-Based Models with Data: Methodological Issues and Open Problems, in C. Bruun (ed.) *Advances in Artificial Economics. The Economy as a Complex Dynamic System*, Springer-Verlag, Berlin Heidelberg, pp. 255-267.

Moneta, Alessio (2006), Entries “Causalità in economia” and “Econometria” in V. Melchiorre, *Enciclopedia Filosofica*, Bompiani Milano.

### **Conference Proceedings**

Moneta, Alessio, Nadine Chlaß, Doris Entner, Patrik Hoyer, Causal Search in Structural Vector Autoregressive Models, *Journal of Machine Learning Research: Workshop and Conference Proceedings*, 12: 95-114 (2011).

Moneta, Alessio and Peter Spirtes (2006), Graphical Models for the Identification of Causal Structures in Multivariate Time Series Models, *Joint Conference on Information Sciences Proceedings*, Atlantis Press.

### **Encyclopedia Entries**

Moneta, Alessio (2012), Entries “Interazione” and “Idiosincratismo” in *Dizionario di Economia e Finanza*, Treccani.

Moneta, Alessio (2006), Entries “Causalità in economia” and “Econometria” in V. Melchiorre, *Enciclopedia Filosofica*, Bompiani Milano.

### **Book Reviews**

Moneta, Alessio (2013), Review of “L’economia del bene e del male. Morale e denaro da Gilgamesh a Wall Street,” by Tomas Sedlacek, *Fenomenologia e società*, 34(1), 157-159.

Moneta, Alessio (2010), Which structure do models represent?, *Journal of Economic Methodology*, 17: 3, 338-343. (Review of *Representation and structure in economics: the methodology of econometric models of the consumption function*, by Hsiang-Ke Chao)

Moneta, Alessio (2008), Review of “Filosofia dell’economia. Modelli, causalità, previsione,” by F. Guala, *2R - Rivista di Recensioni Filosofiche*, 9, 70-80.

Moneta, Alessio (2008), Review of “Modern Macroeconomics: Its Origins, Development and Current State,” by B. Snowden and H.R. Vane, *Journal of the History of Economic Thought*, 30(2), 271-274.

Moneta, Alessio (2007), Review of “Theory and Measurement. Causality Issues in Milton Friedman’s Monetary Economics,” by J.D. Hammond, *History of Economic Ideas*, 15(2), 175-178.

### **Teaching experience**

- Scuola Superiore Sant’Anna: doctoral course on “Models of causality and explanation” (January-March 2015).
- Scuola Superiore Sant’Anna: doctoral course on “History of Economic Ideas” (February 2014).
- AETEA Summer School: doctoral course on “Causality in Econometrics” (September 2013)
- Scuola Superiore Sant’Anna: doctoral course on “Causality and Explanation in Economics” (October-December 2013).
- Scuola Superiore Sant’Anna and University of Pisa: master course on “Advanced Macroeconomics” (2013-2014).
- Scuola Superiore Sant’Anna: undergraduate course on “Methodology of economics” (2012 - 2013 -2014)
- University of Marburg: doctoral course on “Causality in Econometrics” (October 2013)
- Friedrich Schiller University and Max Planck Institute of Economics, Jena: PhD course on “Causality in Econometrics” (April - May 2011)
- Max Planck Institute of Economics, Jena: PhD mini-course on “Econometrics for Consumption and Demand’ (March 2008).
- Scuola Superiore Sant’Anna: undergraduate course on “Methodology of social sciences” (October 2005 - March 2006).
- Scuola Superiore Sant’Anna: undergraduate course on “Introduction to probability theory” (January - March 2004)

### **Invited talks, presentations at conferences and workshops**

- STOREP (Italian Association for the History of Political Economy) Conference, Turin, September 2015.
- Invited talk, University of Kassel, July 2015.
- Invited talk, Freie Universität Berlin, October 2014.
- Causality and Complexity in the Sciences, Cologne, September 2014.
- International Schumpeter Society Conference, Jena, July 2014.
- International Association for Applied Econometrics Conference, London, June 2014.
- Workshop: Case Studies of Causal Discovery with Model Search, Carnegie Mellon University, Pittsburgh, October 2013.
- Summer School: Advanced Econometric Tools for Economic Analysis, Procida, September 2013.
- International Network for Economic Method Conference, Rotterdam, June 2013.
- International Network for Economic Method Conference, Saint Petersburg, May 2012.
- Invited Talk, London School of Economics, Statistics Department, March 2012.
- Causality and Explanation in the Sciences, Conference, Ghent, September 2011.
- Conference of the International Network of Economic Method, Helsinki, September 2011.
- Invited Talk at the Workshop: *Complexity: Theoretical Foundations & Practical Implications*, Altonaer Stiftung für philosophische Grundlagenforschung, August 2011
- Invited Talk, University of Münster, June 2011.
- Italian Congress Empirical Economics and Econometrics, Pisa, January 2011

- Conference: Causality in the Biomedical and Social Sciences, Rotterdam, October 2010.
- STOREP Conference, University of Trento, June 2010.
- Invited Talk, NIPS Symposium on Causality and Time Series Analysis, Vancouver, Dec. 2010.
- EAEPE Conference, University of Amsterdam, July 2009.
- Australasian meeting of the Econometric Society, Canberra, July 2009.
- European Meeting on Applied Evolutionary Economics (EMAE), Jena, May 2009.
- Invited Talk, University of Milan, February 2009.
- Invited Talk, University of Verona, November 2008.
- International Network for Economic Method Conference, Madrid, September 2008.
- Causality and Probability in the Sciences Conference, Canterbury, September 2008.
- Talk at the workshop: The role of consumption for structural change, Jena, July 2008.
- Invited talk, Workshop on the role of evidence in economics, Bologna, May 2008
- EPSA (European Philosophy of Science Association) Conference, University Complutense of Madrid, November 2007.
- Invited talk, University of Milan, June.
- STOREP Conference, Pollenzo (Italy), June 2007.
- EMAE Conference, University of Manchester, May 2007.
- Talk at the workshop: The Evolution of Consumption, Jena, December 2006.
- Invited talk, Erasmus Institute for Philosophy and Economics, Rotterdam, October 2006.
- Conference: “Artificial Economics 2006,” University of Aalborg, September 2006
- Summer School: ‘New Philosophy of the Social Sciences,’ San Sebastian, July 2006.
- Conference: “Causality and Probability in the Sciences,” University of Kent, June 2006.
- CPNSS and IHPST Conference on Models and Simulations, CNRS Paris, June 2006.
- STOREP Conference, University of Lecce, June 2006.
- Invited talk, University of Pisa, Seminar on Causal analysis in economics, March 2006.
- University Carlos III of Madrid, Department of Statistics, March 2005.
- Bilkent University Ankara, Department of Economics, February 2005.
- Italian Congress of Econometrics and Empirical Economics, University of Venice, Jan. 2005.
- Conference of the International Network for Economic Method, Amsterdam, August 2004.
- Conference “Economic Policies in the New Millennium,” University of Coimbra, April 2004.
- Young researchers seminar series, University of Pisa, Faculty of Economics, April 2004.
- EC<sup>2</sup> Conference, “Identification and Instruments in Econometrics,” London, December 2003.
- Middle East Technical University Conference on Economics, Ankara, September 2003.
- Conference “Research in Economics” University of Siena, May 2003.

### **Awards, Grants, and Fellowships**

- 2015 Awarded Grant (as leader) by the Institute of New Economic Thinking. Project: *Causal Analysis in Economics: Philosophical Underpinnings and Econometric Tools for Nonparametric, non-Gaussian, and Aggregative Settings*. Duration: 2 years. Total value: \$ 70,000.
- 2014 National Scientific Habilitation to become Associate Professor of Political Economics (13/A1) in Italy.
- 2013 National Scientific Habilitation to become Associate Professor of Economic Policy (13/A2) in Italy.
- 2006-2009 Post-Doc Research Fellowship. Max Planck Institute of Economics, Jena.
- 2004 Huygens Fellowship (Dutch Government).
- 2003 Carnegie Mellon Summer Research Grant.
- 2003 Young Researchers Award, Scuola Superiore Sant’Anna, Pisa.
- 2001-2002 Marie Curie Fellowship (EU Commission).

**Refereeing Activity**

*Economic Bulletin, Empirical Economics, Erasmus Journal for Philosophy and Economics, History of Economic Ideas, Industrial and Corporate Change, International Studies in the Philosophy of Science, Journal of Applied Economics, Journal of Artificial Societies and Simulations, Journal of Economic Interaction and Coordination, Journal of Economic Methodology, Journal of Evolutionary Economics, Journal of Futures Markets, Journal of Machine Learning Research, Journal of Socio-Economics, Metroeconomica, Review of Keynesian Economics, Structural Change and Economic Dynamics, Studies in History and Philosophy of Science, Theory and Decision, Topoi: An International Review of Philosophy; College Publications, MIT Press, Oxford University Press; 26th Conference on Uncertainty in Artificial Intelligence (UAI2010); 2nd International Workshop on Advanced Methodologies of Bayesian Networks (AMBN).*