FRANCESCO LAMPERTI

PERSONAL INFORMATION

Born in Italy, Tradate (VA) 18 November 1988

francesco.lamperti@santannapisa.it

CURRENT POSITION(S)

- **Research Fellow at the Institute of Economics, Scuola Superiore Sant'Anna (Pisa, Italy)**
- **Junior Scientist at European Institute on Economics and the Environment - RFF & CMCC (Milan, Italy)**

EDUCATION

Ph.D. Economics	**2012-2016** Scuola Superiore Sant'Anna, Pisa (IT)

Research Interests: Macroeconomics, Climate Change, Agent Based Modelling, Innovation and Technical Change, Empirical Validation of Simulation Models
Thesis: *Climate Change and Macroeconomic Dynamics from a Complex System Perspective*
Advisor(s): Prof. Andrea Roventini and Prof. Giovanni Dosi

Master of Science in Economics and Social Sciences

2010-2012   Bocconi University, Milan (IT)

Thesis: *Robust Risk Analysis in System Safety*
Advisors: Prof. Fabio Maccheroni & Prof. Massimo Marinacci

Bachelor Degree in Economics and Management

2007-2010   Bocconi University, Milan (IT)

Thesis: *The CAPM: an analysis through regime switching models*
Advisor: Prof. Barbara Chizzolini

PUBLICATIONS (PROCEEDINGS INCLUDED)

2018

Guerini M., Lamperti F., Mazzocchetti A., Unconventional Monetary Policy: Between the Past and Future of Monetary Economics, *European Journal of Economics and Economic Policy*, forthcoming

Lamperti F., Dosi G., Napoletano M., Roventini A. and Sapio A., Faraway, so close: coupled climate and economic dynamics in an agent-based integrated assessment model , *Ecological Economics*, forthcoming

Lamperti F., Roventini A. and Sani A., Agent-based model calibration using machine learning surrogates, *Journal of Economic Dynamics and Control*, forthcoming.

Lamperti F., Balint T., Mandel A., Napoletano M., Roventini A. and Sapio A., Towards Agent-Based Integrated Assessment Models: Examples, Challenges and Future Developments, *Regional Environmental Change*, forthcoming

Tabara, J. D., Frantzeskaki, N., Holscher, K., Pedde, S., Kok, K., Lamperti, F., Christensen, J., J. Jager, and Berry, P. Positive tipping points in a rapidly warming world. *Current Opinion in Environmental Sustainability*, vol 31, pag. 120-129, 2018

2017

Fagiolo G., Guerini M., Lamperti F., Moneta A., Roventini A., Validation of Agent-Based Models in Economics and Finance, *in Computer Simulation Validation. Fundamental Concepts, Methodological Frameworks and Philosophical Perspectives*, forthcoming.

Lamperti F. and Mattei C., Going Up and Down: Rethinking the Empirics of Growth in the Developing and Newly Industrialized World, *Journal of Evolutionary Economics*, forthcoming.

Lamperti F., Empirical Validation of Simulated Models through the GSL-div: an Illustrative Application, *Journal of Economic Interactions and Coordination*, forthcoming.

Balint T., Lamperti F., Mandel A., Napoletano M., Roventini A. and Sapio A., Complexity and the Economics of Climate Change: a Survey and a Look Forward, *Ecological Economics*, 2017.

Lamperti F., An Information Theoretic Criterion for Empirical Validation of Simulation Models, *Econometrics and Statistics*, 2017.

2016

Lamperti F., Giometti, M. and Mavilia R., Persistence of Innovation and Knowledge Flows in Africa: An Empirical Investigation, *Innovation and Development*, 2016.

Ferrara M., Lamperti F., Mavilia R. and Castellini S., Looking for Best Performers: a Pilot Study towards the Evaluation of Science Parks, *Scientometrics*, pp. 2016.

Lamperti F., Mavilia R. and Castellini S., The Role of Science Parks: A Puzzle of Growth, Innovation and R&D Investments, *The Journal of Technology Transfer*, 2016.

2015

Lamperti F., Tackling model selection and validation: an information theoretic criterion, in F.J. Miguel, F. Amblard, J.A. Barceló and M. Madella eds., *Advances in Computational Social Science and Social Simulation*, 2015.

2014

Ferrara M., Lamperti F., Mavilia R., The Impact of Technopoles and Science Parks on the Regional and Local Innovation Systems, in ed. Schirilló D., Oeconomica - Designing a Pattern of Sustainable Growth. Innovation, Education, Energy and Environment, pp. 33-51, 2014.

2012

Ferrara M., Lamperti F., Mavilia R., The effects of innovation poles and science parks on regional economies in Italy, 3rd International Conference On Communication And Management In Technological Innovation And Academi, December 2-4, 2012, Recent Advances in Communications, Circuits and Technological Innovation, WSEAS Press, Paris (GRC), 2012, pp. 196-202

Battaglia R., Lamperti F., Siligato L., AREA Science Park: potere all'eccellenza, in Ferrara M., Mavilia R., Dai Distretti Industriali ai Poli di Innovazione, EGEA editore, 2012

WORKING PAPERS

Lamperti F., Napoletano M. and Roventini, A. Green Transitions and the Prevention of Environmental Disasters: Command-and-Control vs.

Market-Based Policies, *LEM Working Papers*, 2015. [R&R: Macroeconomic Dynamics]

WORK EXPERIENCE

2016–on go-ing Junior Researcher, FONDAZIONE ENI ENRICO MATTEI

I am co-leading a project aimed at enriching the DSK agent based integrated assessment model. In particular, the project is aimed at the extension of the energy sector and at the modeling of the energy-finance link. Further, I am leading the application of the model on the IPCC's socio economic pathways.
mainly working with: Valentina Bosetti and Massimo Tavoni.

2015–2016 Visiting Researcher, UNIVERSITÉ PANTHÉON SORBONNE

I was contributing to two different projects. On one side, to the production of a survey critically exploring the existing literature on agent based and networks models of coupled economic and climate systems; on the other, to a project aimed at using Machine Learning techniques to calibrate ABMs, explore the parameter space and reduce their computational burden. My research is being funded through the EU FP7 project IMPRESSIONS.
mainly working with: Antoine Mandel, Amir Sani and Tomas Balint.

2012–2016 Research Fellow, MEDAlics

I co-leaded a project aimed at exploring the links between industries relatedness in a suitable knowledge space and their competitiveness in terms of exports. In particular, we take advantage of a network approach and use patent and citation data to measure the dynamics of industries within the knowledge space. Previously, I participated in a project aimed at exploring the role and impact of Science Parks.
mainly working with: R. Mavilia, G. Tripodi and F. Malerba.

2014–2015 Research Fellow, CRIOS - BOCCONI UNIVERSITY

I have been involved in a project aimed at linking firm-level patent and trademark data and at exploring empirical regularities in firms' innovation/intellectual property protection strategies. My research has been funded through the EU FP7 project CRE8TV.
mainly working with: N. Corrocher, S. Breschi and F. Malerba

2012 Research Assistant, IGIER - BOCCONI UNIVERSITY

I worked as research assistant in a project studying the effects of health reforms in Africa through a difference in difference analysis.
mainly working with: A. Madestam

2012 Research Assistant, CRIOS - BOCCONI UNIVERSITY

I worked as research assistant exploring the effects of founders' heterogeneity on inventing activities. My research activity has been funded through the EU FP7 project AEGIS.
mainly working with: N. Corrocher, R. Fontana and F. Malerba.

PROJECTS AND PROJECT WRITING

I have contributed, both scientifically and through managing activities, to the following projects: IMPRESSIONS (FP7); ISIGROWTH (H2020); AEGIS (FP7); CRE8TV (FP7).
I have written, as Principal Investigator, the project CRES - Climate Risks and Economic Stability for the AXA Research Fund Post Doctoral Campaign (currently under evaluation).

CONFERENCES AND TALKS

Conference, 28th Annual EAEPE Conference, Manchester, November 3-6, 2016.

Seminar, Fondazione Eni Enrico Mattei, Milan, September 20th, 2016.

Conference, SPRU 50th Anniversary Conference, Brighton, September 5-9, 2016.

Conference, 22nd Conference on Computing in Economics and Finance (CEF), Castellon de la Plana, June 22-24, 2016.

Conference, 21st Annual Workshop on the Economic Science with Heterogeneous Interacting Agents (WEHIA), Castellon, June 22-24 2016.

Seminar, Université Paris 1 - Panthéon Sorbonne and Paris School of Economics, Paris November 5th, 2015.

Seminar, ECLAC, Santiago de Chile, October 9th, 2015.

Conference, EMAEE 2015 Conference: Globalisation, Innovation and Economic Change, Maastricht, June 1-3 2015.

Conference, 20th Annual Workshop on the Economic Science with Heterogeneous Interacting Agents (WEHIA), Nice, May 21-23 2015.

Workshop, 2nd Doctoral Workshop in Economics of Innovation, Complexity and Knowledge, Torino, January 29-30, 2015.

Conference, 8th International Conference on Computational and Financial Econometrics (CFE 2014) and 7th International Conference of the ERCIM WG on Computational and Methodological Statistics (ERCIM 2014), Pisa, December 6-8, 2014.

Conference, Social Simulation Conference (SSC 2014), Barcelona, September 1-5, 2014.

Conference, XXXVII Meeting of the Italian Association for Mathematics Applied to Economic and Social Sciences (AMASES), Stresa, September 5-7, 2013.

SUMMER SCHOOLS

Doctoral Summer School of the 20th Annual Workshop on the Economic Science with Heterogeneous Interacting Agents (WEHIA), Nice, May 18-20, 2015.

Summer School of Mathematics for Economics and Social Sciences, Centro di Ricerca Matematica Ennio de Giorgi, San Miniato, September 15-19, 2014.

Summer School of Mathematics for Economics and Social Sciences, Centro di Ricerca Matematica Ennio de Giorgi, San Miniato, September 16-20, 2013.

XXIV Course of Econometrics for PhD students, Bertinoro, July 1-7, 2013.

TEACHING

2017-2018   Lecturer for the course Industrial Dynamics and Evolution (Master of Science level, 20 students c.a., in English), University of Insubria, Varese.

2017-2018   Lecturer for the course Economics of Climate Change (Bachelor level, 10 students c.a., in English), Scuola Superiore Sant'Anna, Pisa.

2016-2017   Lecturer for the course Economics of Innovation (Master of Science level, 30 students c.a., in English), University of Insubria, Varese.

2016   Teaching Assistant for the course Macroeconomics (Master of Science level, 35 students c.a., in English), Scuola Superiore Sant'Anna, Pisa.

2016   Teaching Assistant for the course Computational Economics (Master of Science

level, 10 students c.a., in English), Scuola Superiore Sant'Anna, Pisa.

2012-2015   Teaching Assistant for the course Economics of Innovation (Master of Science level, 35 students c.a., in English), University of Insubria, Varese.

2013-2014   Lecturer of the course Management of Knowledge and Technology Transfer (Master level I, 50 students c.a., in Italian), Foreigners University of Reggio Calabria and MEDAlics, Reggio Calabria.

2013-2014   Lecturer of the course Management of Knowledge and Innovation (Master level I, 80 students c.a., in Italian), Foreigners University of Reggio Calabria and MEDAlics, Reggio Calabria.

REFEREEING ACTIVITIES

Referee for   Journal of Economic Dynamics and Control, Journal of Economic Behavior and Organization, Ecological Economics, Macroeconomic Dynamics, Industrial and Corporate Change, Journal of Evolutionary Economics, Technological Forecasting and Social Change, Computational Economics, International Journal of Computational Economics and Econometrics, Mind and Society, Journal of Economic Interaction and Coordination, Advances in Complex Systems, International Journal of Electrical Power and Energy Systems.

COMPUTER SKILLS

Basic   JAVA, Gretl, Python

Intermediate   Stata, Eviews , LATEX

Advanced   C++, R, Matlab

OTHER INFORMATION

Awards   2008-2012 · Bocconi ISU Scholarship

Languages   ITALIAN · Mothertongue

ENGLISH · Fluent

FRENCH · Intermediate

Interests   Photography · Cooking · Chess · Football

25th August 2018, Francesco Lamperti

Autorizzo il trattamento dei miei dati personali, ai sensi del D.lgs. 196 del 30 giugno 2003