


PERSONAL INFORMATION

Francesco Quatraro



 Department of Economics and Statistics Cogneetti de Martiis, University of Torino, Lungo Dora Siena 100A, 10153 Torino (Italy)

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 <https://sites.google.com/site/francescoquatraro>

Sex Male | Date of birth ----- | Nationality Italian

Francesco Quatraro is full professor of Economics at the University of Torino and Fellow at the Collegio Carlo Alberto. He is co-editor of the journal Spatial Economic Analysis. At the University of Torino he is Director of the ICxT Innovation Center, and Director of the PhD Programme in Innovation for the Circular Economy. His research focuses on the economic determinants and impacts of technological innovation at the firm and regional level, with a specific focus on the interplay between new technological challenges, sustainable development and labor market dynamics. He is an applied economist with sound experience in the implementation of sophisticated econometric techniques for the analysis of firms' and regions' economic and innovative performances, and for the evaluation of the impact of policies through counterfactual analysis.

WORK EXPERIENCE

March 2020 - Present

**Full Professor of Economics**

Department of Economics and Statistics Cogneetti de Martiis  
University of Torino

June 2017 - Present

**Director of the PhD Programme in Innovation for the Circular Economy**

University of Torino

November 2020 - Present

**Director of the ICxT Innovation Center**

University of Torino

- Interdepartmental centre of applied research on innovation; collaborative projects with local, national and international stakeholders

May 2015 - Present

**Carlo Alberto Fellow**

Collegio Carlo Alberto, Torino

January 2022 - Present

**Scientific Director of the Master in Innovation, New Technologies and the Global Economic**

ILO International Training Center, Turin School of Development

May 2018 - Present

**Co-Editor, Spatial Economic Analysis**

Journal of the Regional Studies Association, published by the Taylor and Francis group

- January 2015 - Present **External affiliate**  
GREDEG-CNRS and University Cote d'Azur
- January 2018 - Present **Fellow**  
Global Labour Organization
- January 2015 – February 2020 **Associate Professor of Economics**  
Department of Economics and Statistics Cognetti de Martiis, University of Torino (Italy)
- Sept. 2010 – Dec. 2014 **Maitre des Conferences (Associate Professor) of Economics**  
Université de Nice “Sophia Antipolis”, CNRS-GREDEG.
- April 2007 – August 2010 **Post-Doc Fellow**  
CNRS-GREDEG, Université de Nice “Sophia Antipolis” (France)
- January 2008 – May 2010 **Deputy Director**  
Bureau of Research on Innovation, Complexity and Knowledge (BRICK), Collegio Carlo Alberto (Italy)
- November 2006 – February 2010 **Research Fellow**  
Department of Economics “S. Cognetti de Martiis”, University of Torino (Italy)
- October 2006 – April 2007 **Visiting Research Fellow**  
CRIC , The Victoria University of Manchester (UK)
- October 2005 – April 2006 **Visiting Research Fellow**  
Columbia Business School, Columbia University of New York (US)
- April 2005 – September 2005 **Visiting Research Fellow**  
CRIC , The Victoria University of Manchester (UK)
- May 2002 – September 2003 **Research Fellow**  
Department for the Study of Mediterranean Societies, University of Bari (Italy)

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**EDUCATION AND TRAINING**

- 2011 **Habilitation à Diriger des Recherches (HDR)**  
Université de Nice Sophia Antipolis, France
- 2003-2007 **PhD, Economics**  
University of Torino, Italy
- 2003-2004 **PhD Training Courses**  
Sant'Anna School of Advanced Studies of Pisa, Italy

1996-2001 **Laurea Summa cum Laude**  
University of Torino, Italy

**PERSONAL SKILLS**

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	B2	B2	B2	B2	B2

**Computer skills** Microsoft Office: Word, Power Point & Excel; Expert level  
Stata: Econometric Analysis Software; Expert level  
Matlab: Expert level  
Pajek: Analysis and visualization of large networks; Expert level

**ADDITIONAL INFORMATION**

**Coordination of Research Projects**

2018-2023  
Local Unit Coordinator for the Project “Cooperation for Applied Innovation” (CLIP), financed within the context of the EU INTERREG-ALCOTRA funding scheme.

2012-2017  
Co-director of the research project “Gouvernance d’entreprise et innovation”, CNRS-GREDEG.

2011-2014  
Deputy Coordinator of the project: Policy Incentives for the Creation of Knowledge: Methods and Evidence (PICK-ME). EU 7th Framework Programme. EU Directorate for Research. Grant Agreement Number: 266959.

2012-2016  
Milestone Leader. WWWforEurope — Welfare, Wealth and Work for Europe. Grant number 290647. Cooperation Program / Theme 8 / Socio-economic Sciences and Humanities (SSH).  
  
Final Output: Regulatory Push-pull Effects on Innovation: An Evaluation of the Effects of the REACH Regulation on Patents in the Chemical Sector. WWWforEurope Working Paper No. 91.

2008-2010  
Deputy Director, BRICK, Collegio Carlo Alberto

**Participation to Research Projects**

2023 – 2026  
Growing Resilient, Inclusive and Sustainable (GRINS), funded within the PNRR Extended partnership funding scheme. Coordinator of Spoke 5 (Innovation Ecosystems for the Circular Economy)

2024 – 2025  
Innovation and labor market dynamics (PRIN 2022). Local PI.

2020-2023  
Innovation and global challenges in an interconnected world: the role of local resources and socio-economic conditions (PRIN 2017)

2018-2022

ProGReg project, funded by the European Commission under the Horizon 2020 programme. ProGReg uses nature for urban regeneration with and for citizens.

2010-2014

Research project "Incentive Policy for European Research" (IPER), Collegio Carlo Alberto

2005-2010

Integrated Project EURODITE (Regional Trajectories to the Knowledge Economy: A Dynamic Model). EU 7th Framework Programme Contract no. 006187.

2005-2010

Member of the DIME network of excellence within the EU 7th Framework Programme.

2009-2010

Knowledge Intensive Sectors: Models and Evidence, funded by the French National Agency for Research (ANR), contract number: ANR JCJC06\_141306.

2010

The Economics of Structural Change in Knowledge, International Centre for Economic Research (ICER).

2007

The Economics of Network Services in Piedmont, Report to the Piedmont Consortium for Information Systems (CSI Piemonte) (Italy)

2006

A cross-regional analysis of technological performances in the Italian North-West, Report to MIUR Research Projects of National Interest (Italy)

2005

Technological Knowledge Production and Economic Performances in Piedmont and Valle d'Aosta, Fondazione Rosselli

2003

Technological knowledge and localised learning: What perspectives for a European Policy? (TELL) EU Directorate for Research, research contract No. HPSE-CT2001-00051.

#### Publications Papers in refereed journals

1. Baudino M., Krafft J., Quatraro F., Exploring the direct rebound effects for residential electricity demand in urban environments: evidence from Nice, 2023, *Annals of Regional Science*, in press.
2. Orsatti G., Quatraro F., Scandura A., Green technological diversification and regional recombinant capabilities: the role of technological novelty and academic inventors, 2023, *Regional Studies*, in press.
3. Mascarini S., Garcia R., Quatraro F., Local knowledge spillovers and the effects of related and unrelated variety on the novelty of innovation, 2023, *Regional Studies*, in press.
4. Antonelli C., Feder C., Quatraro F., Technological congruence and Smart Specialisation: evidence from European regions, 2023, *Spatial Economic Analysis*, 18(2), , 173-196.
5. Cottafava D., Gastaldo M., Quatraro F., Santhiá C., Modeling economic losses and greenhouse gas emissions reduction during the COVID-19 pandemic: Past, present, and future scenarios for Italy, 2022, *Economic Modelling*, 110, , 105807,
6. Marino A., Quatraro F., Leveraging global recombinant capabilities for green technologies: the

- role of ethnic diversity in MNEs' dynamics, 2022, *Journal of Technology Transfer*, in press.
7. Fabrizio Fusillo, Davide Consoli & Francesco Quatraro (2022) Resilience, Skill Endowment, and Diversity: Evidence from US Metropolitan Areas, *Economic Geography*, DOI: 10.1080/00130095.2021.2008797.
  8. Montresor, S., Orsatti, G., & Quatraro, F. (2022). Technological novelty and key enabling technologies: evidence from European regions. *Economics of Innovation and New Technology*, 1-22.
  9. Consoli, D., Fusillo, F., Orsatti, G., & Quatraro, F. (2021). Skill endowment, routinisation and digital technologies: evidence from US Metropolitan Areas. *Industry and Innovation*, 1-29.
  10. Colombelli, A., Orsatti, G., & Quatraro, F. (2021). Local knowledge composition and the emergence of entrepreneurial activities across industries: evidence from Italian NUTS-3 regions. *Small Business Economics*, 56(2), 613-635.
  11. Dughera, S., Quatraro, F., & Vittori, C. (2021). Innovation, on-the-job learning, and labor contracts: an organizational equilibria approach. *Journal of Institutional Economics*, 1-16.
  12. Ranjbari, M., Esfandabadi, Z. S., Zanetti, M. C., Scagnelli, S. D., Siebers, P. O., Aghbashlo, M., ... & Tabatabaei, M. (2021). Three pillars of sustainability in the wake of COVID-19: A systematic review and future research agenda for sustainable development. *Journal of Cleaner Production*, 126660.
  13. Ranjbari, M., Esfandabadi, Z. S., Scagnelli, S. D., Siebers, P. O., & Quatraro, F. (2021). Recovery agenda for sustainable development post COVID-19 at the country level: developing a fuzzy action priority surface. *Environment, Development and Sustainability*, 1-28.
  14. Ranjbari, M., Saidani, M., Esfandabadi, Z. S., Peng, W., Lam, S. S., Aghbashlo, M., ... & Tabatabaei, M. (2021). Two decades of research on waste management in the circular economy: Insights from bibliometric, text mining, and content analyses. *Journal of Cleaner Production*, 128009.
  15. Colombelli, A., D'Ambrosio, A., Meliciani, V., Quatraro, F. (2020). Newborn firms and regional diversification patterns: The role of cultural diversity. *Economic Geography*, forthcoming.
  16. Fusillo, F., Quatraro, F. and Usai S. (2020). Going green: The dynamics of green technological alliances. *Economics of Innovation and New Technology*, forthcoming.
  17. Antonelli, C., Crespi, F. and Quatraro, F. (2020). Knowledge Complexity and the Mechanisms of Knowledge Generation and Exploitation: The European Evidence. *Research Policy*, forthcoming.
  18. Orsatti, G., Quatraro, F. and Pezzoni, M. (2020). The antecedents of green technologies: The role of team-level recombinant capabilities. *Research Policy*, 49 (3), 103919.
  19. Colombelli, A., Ghisetti, C. and Quatraro, F. (2020). Green technologies and firms' market value: a micro-econometric analysis of European firms. *Industrial and Corporate Change*, forthcoming.
  20. Consoli, D., Orsatti, G., Perruchas, F., Quatraro, F. (2020). Public procurement, local labor markets and green technological change: Evidence from US Commuting Zones. *Environmental and Resource Economics*, forthcoming.
  21. Montresor, S. and Quatraro, F. (2019). Green technologies and smart specialisation: a European patent-based analysis of the intertwining of technological relatedness and Key Enabling Technologies. *Regional Studies*, forthcoming.
  22. Colombelli, A., Krafft, J. and Quatraro, F. (2019). Firms' growth, green gazelles and eco-innovation: Evidence from a sample of European firms. *Small Business Economics*, forthcoming.
  23. Grinza, E., & Quatraro, F. (2019). Workers' replacements and firms' innovation dynamics: New evidence from Italian matched longitudinal data. *Research Policy*, 48(9), 103804.
  24. Colombelli, A. and Quatraro, F. (2019). Green start-ups and local knowledge spillovers from

- clean and dirty technologies. *Small Business Economics*, 52 (4), 773-792 .
25. Colombelli, A., Orsatti, G. and Quatraro, F. Local knowledge composition and the emergence of entrepreneurial activities across industries: Evidence from Italian NUTS-3 regions. *Small Business Economics*, forthcoming.
  26. Aroui, H., Ben Youssef, A., Quatraro, F. and Vivarelli, M. Drivers of Growth in Tunisia: Young Firms vs Incumbents. *Small Business Economics*, forthcoming.
  27. Quatraro, F. and Scandura, A., 2019. Academic inventors and the antecedents of green technologies. A regional analysis of Italian patent data. *Ecological Economics* 156, 247-263.
  28. D'Ambrosio, A., Montresor, S., Parrilli, D. and Quatraro, F., 2019. Migration, communities on the move and international innovation networks: an empirical analysis of Spanish regions. *Regional Studies* 53, 6-16.
  29. Colombelli, A., and Quatraro, F., 2018. New firm formation and regional knowledge production modes: Italian evidence. *Research Policy* 47, 139-157..
  30. Bianchini, S., Krafft, J., Quatraro, F. and Ravix, J.L., 2018. Corporate Governance, Innovation and Firm Age: Insights and New Evidence. *Industrial and Corporate Change* 27,349-370.
  31. Montresor, F. and Quatraro, F., 2017. Regional branching and Key Enabling Technologies. Evidence from European patent data. *Economic Geography* 93, 367-396.
  32. Ghisetti, C. and Quatraro, F., 2017, Is green knowledge improving environmental productivity? Sectoral Evidence from Italian Regions. *Ecological Economics* 132, 1-13.
  33. Quatraro, F. and Usai, S., 2017, Are knowledge flows all alike? Evidence from European regions, *Regional Studies* 51, 1133-1137.
  34. Aroui, H., Ben Youssef, A. and Quatraro, F. 2016. Entry, exit and net job creation in Tunisia: an exploratory analysis. *Eurasian Business Review* 6(3), 323-337.
  35. Quatraro, F., 2016, Co-evolutionary patterns in regional knowledge bases and economic structure: evidence from European Regions, *Regional Studies*, 50, 513-539.
  36. Quatraro, F. and Vivarelli, M., 2015, Drivers of entrepreneurship and post-entry performance of newborn firms in developing countries. *World Bank Research Observer*, 30, 277-305.
  37. Crespi, F., Ghisetti, C. and Quatraro, F., 2015. Environmental and Innovation policies for the evolution of green technologies: a survey and a test. *Eurasian Business Review* 5, 343-370.
  38. Colombelli, A., Krafft, J. and Quatraro, F., 2014, The emergence of new technology-based sectors in European regions: A proximity-based analysis of nanotechnology, *Research Policy*, 43, 1681-1696.
  39. Krafft, J., Quatraro F. and Saviotti P.P., 2014, Knowledge characteristics and the dynamics of technological alliances in Pharmaceuticals: Empirical evidence from Europe, US and Japan, *Journal of Evolutionary Economics* 24, 587-622.
  40. Colombelli, A., Krafft, J. and Quatraro, F., 2014, High Growth Firms and Technological Knowledge: Do gazelles follow exploration or exploitation strategies?, *Industrial and Corporate Change*, 23(1), 261-291.
  41. Krafft, J., Quatraro F. and Saviotti P.P., 2014, The dynamics of knowledge-intensive sectors' knowledge base: Evidence from Biotechnology and Telecommunications, *Industry and Innovation* 21, 215-242.
  42. Antonelli, C. and Quatraro F., 2014, The effects of biased technological changes on total factor productivity: A rejoinder and new empirical evidence, *Journal of Technology Transfer*, 39(2), 281-299.
  43. Colombelli A. and Quatraro, F., 2014, The persistence of firms' knowledge base: A quantile

approach to Italian data, *Economics of Innovation and New Technology*, 23, 585-610.

44. Krafft, J., Qu, Y., Quatraro, F. and Ravix, J.L., 2014, Corporate governance, value and performance of firms: New empirical results on convergence from a large international database, forthcoming, *Industrial and Corporate Change*, 23(2), 361-397.
45. Ghisetti, C. and Quatraro, F., 2013, Beyond inducement in climate change: Does environmental performance spur environmental technologies? A regional analysis of cross-sectoral differences, *Ecological Economics*, 96, 99-113.
46. Colombelli, A., Krafft, J. and Quatraro, F., 2013, Properties of knowledge base and firm survival: Evidence from a sample of French manufacturing firms, *Technological Forecasting and Social Change*, 80, 1469-1483.
47. Antonelli, C. and Quatraro F., 2013, Localized Technological Change and Efficiency Wages: the Evidence across European Regions, *Regional Studies*, 47, 1686-1700.
48. Antonelli C., Patrucco P. and F. Quatraro, 2011, Pecuniary Knowledge Externalities: Evidence from European Regions, *Economic Geography*, 87, 23-50.
49. Krafft J., Quatraro F. and P., Saviotti, 2011, The Knowledge Base Evolution in Biotechnology: A Social Network Analysis, *Economics of Innovation and New Technology*, 20, 445-475.
50. Quatraro, F., 2011, ICT Capital and Services Complementarities. The Italian Evidence, *Applied Economics*, 43, 2603-2613.
51. Quatraro, F., 2010, Knowledge Coherence, Variety and Productivity Growth: Manufacturing Evidence from Italian Regions, *Research Policy*, 39, 1289-1302.

#### Book Chapters

1. Colombelli, A., & Quatraro, F. (2019). Green startups and local knowledge bases: newborn suppliers of energy related technologies in Italian provinces. In *Handbook on Green Growth*. Edward Elgar Publishing.
2. Colombelli, A., Orsatti, G., & Quatraro, F. (2019). Entrepreneurship, technological knowledge and industrial heterogeneity: evidence from Italian NUTS 3 regions. In *Handbook of Research on Techno-Entrepreneurship*, Third Edition. Edward Elgar Publishing.
3. Quatraro, F., 2011. Knowledge Structure and Regional Economic Growth: The French case. In Libecap, G.D. and Hoskinson, S. (eds.) *Entrepreneurship and Global Competitiveness in Regional Economies: Determinants and Policy Implications (Advances in the Study of Entrepreneurship, Innovation & Economic Growth, Volume 22)*, Emerald Publishing, Cambridge, pp. 185-217.
4. Colombelli, A. and Quatraro, F., 2012. The European Firm, in Dietrich, M. and Krafft, J. (eds) *Handbook on the Economics and Theory of the Firm*, Cheltenham: Edward Elgar.
5. Krafft, J. and Quatraro, F., 2011. The dynamics of technological knowledge: From linearity to recombination, in Antonelli, C. (ed) *Handbook on System Dynamics of Technological Change*, Cheltenham: Edward Elgar, pp. 181-200.
6. Antonelli, C., Patrucco, P.P. and Quatraro F., 2008. *The Economics of Information and Communication Technologies*, International Encyclopedia of Communication, Oxford: Blackwell Press (ISBN: 9781405131995).
7. Antonelli, C., Patrucco, P. P. and Quatraro, F., 2007. La Grande Onda Schumpeteriana alla fine del XX secolo. Transizioni Tecnologiche e Modelli Economici nel Caso Italiano, in Berta, G. (ed.), *Una Trasformazione in Atto: Il Nord Italia*. Annali della Fondazione Giangiacomo Feltrinelli – 2007, Milano: Feltrinelli.

#### Books

1. Crespi, F. e Quatraro, F. (eds) (2015). Knowledge, innovation and systemic technology policy. Routledge: London and New York.
2. Francesco Quatraro, 2012, The Economics of Structural Change in Knowledge, New York and London, Routledge, (ISBN: 9780415565431; ISBN-10: 041556543X).

#### Edited volumes / special issues

1. "The dynamics of knowledge and innovation in knowledge-intensive industries", edited by Jackie Krafft, Francesco Quatraro and Pier Paolo Saviotti, published on Economics of Innovation and New Technology, 2011, vol. 20, issue 5 (July).
2. "Systemic Technology Policy: Issues and Instruments", edited by Francesco Crespi and Francesco Quatraro, Technology Forecasting and Social Change, 2013, vol. 80, issue 8.
3. "Emergence and evolution of new industries: The path-dependent dynamics of knowledge creation", edited by Jackie Krafft, Sebastien Lechevalier, Francesco Quatraro, Cornelia Storz, to appear on Research Policy, fall 2014.
4. "Firm age and performance", edited by Alex Coad, Jacob Ruabaek Holm, Jackie Krafft and Francesco Quatraro, to appear on the Journal of Evolutionary Economics, fall 2015.
5. "Knowledge Flows, Externalities and Innovation Networks: micro, meso and macro approaches", edited by Francesco Quatraro and Stefano Usai, to appear on the journal Regional Studies.

#### Book reviews

1. Francesco Quatraro, 2010, "Martin Fransman: The new ICT ecosystem. Implications for Europe", Journal of Evolutionary Economics, 20, 321-328.

#### Organization and participation to scientific events

- 2020 Chair of the Organizing Committee  
Riunione Scientifica Annuale della Società Italiana degli Economisti  
22-24 October 2020  
Campus Luigi Einaudi, Torino
- 2020 Member of the Scientific Committee  
Geography of Innovation Conference, University of Stavanger (Norway)
- 2019 Member of the Scientific Committee  
WICK annual meeting in "Economics of Innovation, Complexity, and Knowledge", Turin, January 9-10.
- 2018 Co-organizer  
Research Workshop "The Geography of Innovation, Environment and Resilience", Sept. 20-21.  
Department of Economics and Statistics "Cognetti de Martiis", University of Turin (Turin)
- 2018 Co-organizer  
Summer School "Knowledge Dynamics, Industry Evolution, Economic Development", Nice
- 2017 Member of the Scientific Committee  
WICK annual meeting in "Economics of Innovation, Complexity, and Knowledge", Turin December 19-20.
- 2017 Co-organizer  
Summer School "Knowledge Dynamics, Industry Evolution,



Economic Development", Nice

2016 Chair of the Organizing Committee

13th European Network on the Economics of the Firm (ENEF) meeting on "Firms, technology and the quest for sustainable development", University of Turin, Campus Luigi Einaudi, Turin, 15th and 16th September 2016.

2016 Member of the Scientific Committee

5th GCW International Conference on "Innovation, Employment and the Environment", Ingenio - Spanish National Research Council (CSIC) and the Polytechnic University of Valencia (UPV), Valencia, 22-24 June 2016.

2016 Member of the Scientific Committee

3rd Doctoral Workshop in "Economics of Innovation, Complexity and Knowledge", Collegio Carlo Alberto, Turin, January 21-22

2016 Co-organizer

Summer School "Knowledge Dynamics, Industry Evolution, Economic Development", Nice

2015 Member of the Scientific Committee

International Conference on "The Governance of a Complex World", Université de Nice Sophia Antipolis, 1-3 of July,

2015 Co-organizer

Summer School "Knowledge Dynamics, Industry Evolution, Economic Development", Nice

2014 Co-organizer

Summer School "Knowledge Dynamics, Industry Evolution, Economic Development", Nice

2014 Co-organizer

Conference "The Governance of a Complex World: Innovation and cooperation as entrepreneurial challenges", University of Torino (Italy)

2014 Member of the Scientific Committee

Geography of Innovation Conference, University of Utrecht (Netherlands)

2013 Co-organizer

Conference "The Governance of a Complex World: Innovation and cooperation as entrepreneurial challenges", Erasmus University of Rotterdam (Netherlands)

2013 Co-organizer

Summer School "Knowledge Dynamics, Industry Evolution, Economic Development", Nice

2012 Co-organizer

GREDEG conference on "The Governance of a Complex World" (Nice)

2012 Co-organizer

Summer School "Knowledge Dynamics, Industry Evolution, Economic Development", Nice

2012 Co-organizer

PICK-ME conference on Demand-Driven Innovation and Economic Policy (Turin)

2011 Co-organizer

EAEPE Conference (Wien)

2010 Co-organizer

EAEPE Conference (Bordeaux)

2010 Co-organizer

Workshop BRICK on "Understanding the Emergence of New Industries" (Turin)

2009 Co-organizer  
Thematic Meeting of the French Economic Association

2009 Co-organizer  
Workshop Communia on "The Organisation, Economics and Policy of Scientific Research"(Turin)

2008 Co-organizer  
Workshop BRICK on "The dynamics of knowledge and innovation in knowledge-intensive industries"(Turin)

#### Invited seminars

2018  
Université Paris Est Créteil  
Université de Lorraine, BETA, Nancy

2016  
Università di Barcellona

2015  
EPFL, Lausanne  
European Commission, Expert Panel at the IRIMA Workshop on Smart Specialization Strategies (11 June 2015)  
University of Patras  
University of Rome Tre  
Friedrich Schiller University of Jena

2014  
Grenoble Ecole de Management  
University of Utrecht

2013  
Department of Economics, University of Padua (December 2013)  
Invited Seminar on "New Firm Formation and the properties of local knowledge bases: Evidence from Italian NUTS 3 regions", University of Trieste (May 2013)  
"Beyond the inducement in climate change: Do environmental performances spur environmental technologies? A regional analysis of cross-sectoral differences", ZEW, 13-14 Mars. Mannheim  
"Persistence of Innovation and Knowledge Structure: Evidence from a Sample of Italian Firms", SEIKE Seminar series, organized by the University of Torino and the BRICK, Collegio Carlo Alberto.

2011  
GREDEG seminar series, University of Nice Sophia Antipolis.  
SEIKE Seminar series, organized by the University of Torino and the BRICK, Collegio Carlo Alberto.

2010  
"Knowledge Coherence, Variety and Productivity Growth: Manufacturing Evidence from Italian Regions", Grenoble Ecole de Management, Grenoble (France)

2009 "Knowledge Coherence, Variety and Productivity Growth: Manufacturing Evidence from Italian Regions", Erasmus University of Rotterdam, Rotterdam

2007 "Shifting the Bias: How to Disentangle Creative Adoption from Radical Innovation. Empirical Evidence from Italy and the US", DIG Seminar Series, Politecnico di Milano, Milano

2006 "Mind the Gap: Convergence of Technology and Technology of Convergence in Italian Regions, 1982-2001", Seminario nell'ambito del corso di Macroeconomia tenuto da Edmund Phelps, Columbia University of New York.

#### Conferences

2019  
Annual Conference of the Società Italiana di Economia e Politica Industriale, Università di Roma Tre

Annual Conference of the Società Italiana degli Economisti, Università di Palermo  
Annual Conference of the Associazione Italiana di Scienze Regionali, Gran Sasso Science Institute  
Annual Conference of the Società Italiana di Economia Pubblica, Università di Torino

2018

Annual Conference of the Società Italiana degli Economisti, Università di Bologna  
Annual Conference of the Regional Studies Association, Università della Svizzera Italiana, Lugano  
Annual Conference of the American Association of Geographers, New Orleans, US

2017

Annual Conference of the Società Italiana degli Economisti, Università della Calabria  
Annual Conference of the Regional Studies Association, Trinity College Dublin, Ireland

2015

Regional Studies Association, Annual Conference  
Piacenza, May 2015  
Born2BeGreen Workshop  
Southampton Business School, May 2015  
DRUID Summer Conference  
Rome, 15-17 June 2015  
The Governance of a Complex World, University of Nice (July 2015)

2014

Conference Geography of Innovation (Utrecht, January 2014)  
AISRE Annual Conference, Padua

2013

DRUID Summer Conference, Barcelona  
(21-24 June 2013)

2012

The Governance of a Complex World, University of Nice (November 2012)  
AISRE Annual Conference, Rome  
(14 September 2012)  
ENEF Annual Meeting, Bologna  
(13 September 2012)

2011

European Association of Evolutionary Political Economy, University of Vienna (Austria).  
Annual Meeting of the "Economia e Politica Industriale" group, held in Parma, 24-25 June.  
Workshop on High Growth Firms, organized by the RATIO institute in Stockholm.  
European Meeting on Applied Evolutionary Economics (EMAE), Sant'Anna School of Advanced Studies, Pisa (Italy)

2010

European Association of Evolutionary Political Economy, University of Bordeaux (France)

2009

European Association of Evolutionary Political Economy, University of Amsterdam (Netherlands)  
Workshop, Erasmus University of Rotterdam (Netherlands)  
Workshop, Eindhoven University of Technology (Netherlands)  
Thematic meeting of the French Economic Association, University of Nice (France)  
Workshop, University of Lyon Lumiere II (France)  
DIME Workshop on Technology, Skills and Geography, SPRU-University of Sussex, Brighton  
DIME Workshop, Eindhoven University of Technology, Amsterdam

2008

Workshop on Knowledge Intensive Industries

BRICK, Collegio Carlo Alberto (Italy)  
European Association of Evolutionary Political Economy, University of Roma Tre (Italy)  
Conference on Knowledge and Growth, Toulouse Business School (France)  
DIME Workshop, University of Newcastle (UK)  
ERSA conference, University of Liverpool (UK)  
Annual conference of the Regional Studies Association, Prague

2007

CCC doctoral colloquium, GeorgiaTech, Atlanta (US)  
EMAEE conference on Innovation, Manchester Metropolitan University (UK)  
ERSA conference, University of Paris Cergy Pontoise (France)

2006

ERSA conference, University of Volos (GR)

2004

Conference of the International Schumpeter Society, Bocconi University of Milan

2003

DRUID summer conference, Copenhagen (DK)

2002

Annual conference of the Regional Studies Association, Pisa (Italy)

#### Honors and Fellowships

2011-2015

Prime d'Excellence Scientifique (PES)  
Ministère de l'Enseignement Supérieur et de la Recherche, France

2009

Salvatore Vinci prize,  
Awarded by the University of Naples "Parthenope", Italy.

2007

Marie Curie Training Fellowship to attend the PREPARE Summer School on Spatial Econometrics.

2005

Giorgio Rota Prize,  
Awarded by the Unione Industriali of Turin, Italy.

2003

PhD Fellowship, University of Turin, Italy.

#### Research Grants

2018

General Motors Global Propulsion Systems  
Advisory board on market strategies for smart mobility services  
Coordinator  
Euros 200000,00

2018

ALCOTRA funding scheme.  
PITEM Coopération pour L'Innovation aPpliquée (CLIP).  
Local PI  
Euros 300000,00

2014

WIFO (Austria) – WWWfor Europe Milestone leader  
Euros 50000,00

2012  
Mairie de Nice – Comité Doyen Lépine  
Euros 4000,00.  
**PhD Students Supervision** Doctoral Programme in Innovation for the Circular Economy

Anna Monticelli  
Luigi Riccardo  
Paola Ballesio  
Chiara Casale  
Grazia Sveva Ascione  
Cristina Santhià  
Meisam Ranjbari  
Federico de Santis  
Simone Tola  
Marco Leandri  
Laura Iori  
Giulia Galtieri

Other PhD programmes

Enrico Bergamini (Vilfredo Pareto Doctoral School, Torino)

Fabrizio Fusillo (Vilfredo Pareto Doctoral School, Torino)  
Innovation networks and the web of knowledge

Gianluca Orsatti (Vilfredo Pareto Doctoral School, Torino)  
Academic patenting in green technologies

Awatif Benkourrad (Université de Nice Sophia Antipolis)  
Firmes à forte croissance et création d'emploi

Claudia Ghisetti (PhD student at the University of Bologna)  
Supervision of her visiting stay at the GREDEG

**Refereeing** Applied Economics, Economics of Innovation and New Technology, Papers in Regional Science, Journal of Evolutionary Economics, Regional Studies, Research Policy, International Regional Science Review, Economic Geography, Small Business Economics, Ecological Economics, Structural Change and Economic Dynamics

**Teaching** 2020-2021 (University of Torino)

- Digital Technologies and the Green Economy (36h)
- Management of Innovation (20h)
- Innovation for the Circular Economy (18h)
- Economics of the Digital Era (54h)

2019-2020 (University of Torino)

- Digital Technologies and the Green Economy (36h)
- Management of Innovation (20h)
- Innovation for the Circular Economy (18h)
- Economics of the Digital Era (54h)

2018-2019 (University of Torino)

- Economics of ICTs (36h)
- Management of Innovation (20h)
- Innovation for the Circular Economy (18h)
- Economics of the Digital Era (54h)

2017-2018 (University of Torino)

- Green Economy and Innovation (taught in English) (36h)
- Economic Policy (40h)
- Economics of the Digital Era (54h)

2016-2017 (University of Torino)

- Green Economy and Innovation (taught in English) (36h)
- Economic Policy (40h)
- Economics of the Digital Era (54h)

2015-2016 (University of Torino)

- Green Economy and Innovation (taught in English) (36h)
- Economic Policy (40h)
- Economics (54h)

2014-2015 (University of Torino)

- Economic Policy (40h)
- Labour Economics (24h)
- Global Economy and Multinational Corporations (taught in English) (36h)

2013-2014 (Université de Nice Sophia Antipolis)

- Économétrie de séries temporelles et données en panel. 30h, CM, M1.
- Microéconomie. 30h, CM, M1.
- Analyse des données. 30 h, CM, M1.
- Economie régionale et spatiale. 30h, CM, L3.
- Analyse empirique des dynamiques régionales. 18h, M2 recherche.
- Analyse empirique des dynamiques régionales. 21h, M2 pro

2012-2013 (Université de Nice Sophia Antipolis)

- Économétrie de séries temporelles et données en panel. 30h, CM, M1.
- Microéconomie. 30h, CM, M1.
- Analyse des données. 20 h, CM, M1.
- Economie régionale et spatiale. 30h, CM, L3.
- Analyse empirique des dynamiques régionales. 18h, M2 recherche.

2011-2012 (Université de Nice Sophia Antipolis)

- Économétrie. 30h, M1.
- Systèmes d'innovation et territoires. 30h, CM, L3.
- Economie régionale et spatiale. 20h, CM, M1.
- Innovation et économie géographique. 21 h, M2 recherche.

2010-2011 (Université de Nice Sophia Antipolis)

- Analyse Microéconomique. 30 h, CM, L1.
- Économétrie. 30 h, CM.
- Systèmes d'innovation et territoires. 20 h, CM, M1.

Autorizzo il trattamento dei miei dati personali presenti nel CV ai sensi dell'art. 13 d. lgs. 30 giugno 2003 n. 196 - "Codice in materia di protezione dei dati personali" e dell'art. 13 GDPR 679/16 - "Regolamento europeo sulla protezione dei dati personali".