

MARCO PERCOCO

Università Bocconi

Via Rontgen 1

20136 Milano, Italy

marco.percoco@unibocconi.it

info@marcopercoco.eu

web site: www.marcopercoco.eu



Short Bio: Marco Percoco is an associate professor of economics of infrastructure, energy and the environment at Università Bocconi. During the period 2018-2024, he was the founding director of the GREEN - Center for research in Geography, Resources, Environment, Energy and Networks at Università Bocconi in Milan where he is also a professor of Applied Economics in the Department of Social and Political Sciences. Currently, he is an economic expert in the Recovery and Resilience Plan Unit at the Ministry of Infrastructure and Transportation handling infrastructure project appraisal and a member of the Commission on Critical Raw Materials at the Ministry of Industry and Made in Italy. Recently, he has served as an economic advisor in the Prime Minister Office during the Draghi Government, as a member of the Commission on Climate Change, Infrastructure and Sustainable Mobility at the Minister of Infrastructure and Sustainable Mobility and as a Vice-chairman of the Bureau of the UNECE Working Party

on PPP. In the past, Marco was a member of the Evaluation Unit (NUVV) and of the Regulatory Unit (NARS) in the Prime Minister Office. He has advised the OECD, the World Bank, the IADB, the EIB, the Ethiopian Government and several Italian ministries on issues related to infrastructure valuation and regulation.

CURRICULUM VITAE ET STUDIORUM INDEX

1. Academic Career
2. Scientific Activities
3. Institutional Activities

1. Academic Career

Academic roles

2016 – present	Università Bocconi <i>Associate professor of Applied Economics (Transport Infrastructure, Energy, Sustainability and Real Estate), Department of Social and Political Sciences</i>
2008 – present	SDA Bocconi School of Management <i>Professor of Infrastructure Project Appraisal and Sustainable Mobility</i>
2018 – 2024	GREEN Università Bocconi <i>Founding director the Center for Geography, Resources, Environment, Energy and Networks</i>
2019 – 2021	Scuola Nazionale dell'Amministrazione <i>Adjunct Professor of Infrastructure Project Appraisal</i>
2018 – 2024	Università Roma Tre, Centro Ricerche Economiche e Sociali “Manlio Rossi-Doria”

2018-2019	<i>Research Fellow</i> INPS
2008-2016	<i>Visiting Scholar</i> Università Bocconi Department of Policy Analysis and Public Management <i>Assistant professor of Applied Economics</i>
2016-2017	Gran Sasso Science Institute, PhD in Urban Studies and Regional Science <i>Director</i>
2013	London School of Economics, Department of Geography and Environment <i>Visiting fellow</i>
2001-2017	Centro di Economia Regionale, dei Trasporti e del Turismo (CERTeT), Università Bocconi <i>Director of International Research Activities</i>
2009-2011	University of Trento, Graduate School of Local Development and Global Analysis <i>Visiting Professor</i>
2002 e 2006	University of Illinois at Urbana-Champaign, Regional Economics Applications Laboratory <i>Visiting scholar</i>
2005-2008	Università Bocconi Department of Economics <i>Research Fellow</i>
2003-2006	Università della Valle d'Aosta <i>Adjunct Lecturer</i>
2000-2001	Università di Bergamo <i>Adjunct Lecturer</i>

Academic commissions

2024 - present	Member of the Group "Relations with Industries" of the Network of Universities for Sustainability
2019 - present	Faculty committee, PhD in Public Policy and Management, Università Bocconi
2016 - present	Faculty committee, Master in Government and International Organisations, Università Bocconi
2022 - 2024	Member of the Sustainability Committee, Bocconi University
2022 - 2024	Member of the Budget Committee, Department of Social and Political Sciences, Bocconi University
2022 - 2024	Member of the Faculty Board of the Master's in Transformative Sustainability, Bocconi University and Polytechnic University of Milan
2020	London School of Economics <i>PhD External examiner</i>
2020	Università degli Studi di Genova <i>PhD External referee</i>
2019	Universitat Politècnica de Catalunya <i>PhD External examiner</i>
2016-2018	Organizer of the seminar series, Department of Social and Political Sciences, Università Bocconi
2015	Università di Roma Tor Vergata <i>PhD External referee</i>
2011	Oxford Brookes University <i>PhD External examiner</i>
2009-2011	Faculty committee, Master in Management, Università Bocconi

Education

2004	Università degli studi di Genova PhD in Transport Economics
2000	Università Commerciale "L. Bocconi" B.Sc. in Economics

2. Scientific activities

Scientific interests and research

Economics of regulation and competition, transport and infrastructure economics, energy and environmental economics, real estate economics and urban studies.

Prof. Percoco has authored more than 150 articles (see Annex) and is a speaker in several academic and policy-oriented conferences.

Direction of and participation into research projects

2024 – present	Principal investigator of the research project "Ecological transition and spatial equity", funded by Invernizzi Foundation.
2022-present	Member of the working group for the PNRR research project "Muse"
2022-present	Member of the working group for the PNRR research project "GRINS"
2022-present	Member of the working group for the PRIN research project "Fin4Green - Finance for a Sustainable, Green and Resilient Society"
2023	Principal Investigator of the research project "Urban mobility: structural changes and technological innovation" funded by the Prime Minister Office.
2022	Principal Investigator of the research project "Economic Impact of the 2023 Fencing World Championships," Organizing Committee of the Fencing World Championships
2019-2022	Principal Investigator of the research project "Socio-economic Impacts of Desertification," funded by the Invernizzi Foundation
2019-2022	Member of the working group for the research project "COMmunity Models for the Energy Transition and Social Innovation (COMETS)," funded by the European Commission
2019-2022	Member of the working group for the research project "Urban and Metropolitan Agendas for Sustainable Development," funded by the Ministry of the Environment and the Protection of Land and Sea
2020 – present	Member of the research team, "Rapid Diagnostic tests (Point-of-Care) for Coronavirus and potential public health and socio-economic EU SC1-PHE-CORONAVIRUS-2020", funded by European Commission
2019 - present	Principal Investigator of the project "Socio-economic impacts of desertification", funded by Fondazione Invernizzi
2019 – present	Member of the research team, "COMmunity Models for the Energy Transition and Social Innovation (COMETS)", funded by the European Commission
2019 – present	Member of the research team, "Sustainable urban development", funded by the Italian Ministry of the Environment
2017-2020	Co-PI, "Sharing Mobility in the Urban World" funded by AXA Research Fund
2012-2015	Co-PI, "Social and spatial interactions in the accumulation of civic and human capital", funded by the Italian Ministry of University
2012-2015	Co-PI, "SPIDER PLUS – Sustainable Plan for Integrated Development through the European Rail network – Projecting Logistics and mobility for urban spatial design evolution", funded by the European Commission.

2012-2013	Co-PI, "Urban development in Europe", funded by the European Investment Bank.
2011-2012	Co-PI, "Strategic planning and urban development" funded by SDA Bocconi
2009-2010	Co-PI, "Cost-benefit analysis of Mega-projects" funded by SDA Bocconi
2008-2009	Co-PI, "Institutional Determinants of Public Private Partnerships in Infrastructure" funded by SDA Bocconi
2007-2008	Co-PI, "Local development and regional planning" funded by SDA Bocconi
2005-2007	Co-PI, "Structural Funds and growth in European regions" funded by Università Bocconi
2005-2007	Co-PI, "Sensitivity Analysis for Portfolio Management" funded by Università Bocconi
2004-2006	Co-PI, "Uncertainty in Spatial Forecasting Models" funded by Università Bocconi

Awards and signs of recognition

2023	<i>Research Excellence Award</i> , for the paper "The Political Consequences of Green Policies: Evidence from Italy"
2022	" <i>Mondi Lucani</i> " Award given to the 8 personalities from Basilicata (Italy) who have excelled in the world
2019-2021	<i>Research Profile</i> (best 20 researchers at Università Bocconi)
2017-2019	<i>Research Profile</i> (best 20 researchers at Università Bocconi)
2015	Fellow of the Royal Geographical Society
2012	<i>Research Award</i> , Università Bocconi
2011	<i>Research Award</i> , Università Bocconi
2009	Best paper published in <i>Spatial Economic Analysis</i> , Regional Studies Association
2007	<i>Research Award</i> , Università Bocconi

Scientific and editorial committee

2020 - present	Editorial board of <i>Management delle Utilities e delle Infrastrutture</i>
2020 - present	Editorial board of <i>Politica Economica</i>
2023	General Conference Chair of the European Conference of the International Association for Energy Economics, Bocconi University
2023	Member of the Organizing Committee of the European Conference of the Society for Benefit-Cost Analysis, University of Milan
2021-2022	Organizing committee of the 2022 Conference of the European Real Estate Society
2021	Scientific committee of the "4th Barcelona Meeting on Transport Economics", Universitat de Barcelona
2021	Co-chair of the Special Interest Group on Economic Regulation and Pricing of the World Conference on Transport Research Society
2019	Chair of the organizing committee of the International Conference of the American Real Estate and Urban Economics Association
2019	Organizing committee of the Annual conference in regional science, Gran Sasso Science Institute
2018	Organizer of the conference "Workshop in Economic Geography", Università Bocconi
2015	Organizing committee of the "Global Conference on Economic Geography", University of Oxford
2015	Organizing committee of the "Meeting of the Italian transport economists", Università Bocconi

2013	Organizer of the conference “Megaprojects and regional development”, Università Bocconi
2005-2013	Member of the Board Associazione Italiana di Scienze Regionali (AISRe), (treasurer for the period 2005-2007)
2009- 2012	Editorial board of <i>SR-Italian Journal of Regional Science</i>

3. Institutional roles

2024 – present	Ministry of Infrastructure and Transportation, Recovery and Resilience Plan Unit <i>Expert in infrastructure project appraisal</i>
2024 – present	OECD Member of the Consultation Group on “Shrinking smartly and sustainably”
2017 - present	Bocconi University for the Ministry of Infrastructure and Transport Scientific Committee for the Evaluation of the National Operational Program 2014-2020 Infrastructure and Networks
2022 - present	Ministry of Industry and Made in Italy Member of the Working Group on Critical Raw Materials
2021-2022	Prime Minister's Office Member of the Technical Nucleus for Economic Policy Coordination (NTPE)
2023	Ministry of Infrastructure and Transport Expert for the reform of port concessions
2021 – 2022	Ministry of Infrastructure and Sustainable Mobility Member of the Commissions on Infrastructure and Sustainable Mobility
2021 – 2022	Assolombarda <i>Steering Committee</i> of the Local public transit group
2020 - 2022	Fondazione Italia Patria della Bellezza Member of the Advisory Board
2019 - 2021	United Nations Economic Commission for Europe (UNECE), <i>Vice-chairman</i> of the Bureau of the Working Party on Public-Private Partnerships
2017-present	Ministry of Infrastructure and Sustainable Mobility Scientific committee for the evaluation of the 2014-2020 infrastructure investment plan
2020- 2021	United Nations Economic Commission for Europe (UNECE) – World Health Organization (WHO) Pan-European Programme, <i>Expert</i> , Task force “Development of green and healthy sustainable transport principles”
2019-2020	Prime Minister Office Economic adviser, Evaluation Unit (Nucleo di Valutazione e Verifica degli Investimenti Pubblici, NUVV)
2019	Prime Minister Office Economic adviser, Regulation Unit (Nucleo di consulenza per l’Attuazione delle linee guida per la Regolazione dei Servizi di pubblica utilità, NARS)

Annex: Publications

Books

1. *Il Partenariato Pubblico-Privato: Nuovi Orizzonti. Scritti in memoria di Pasquale Marasco*, a cura di, con R. Cohen, M. Lombardo, M. Tranquilli, Monte Università Parma Editore, in corso di stampa.
2. [*I servizi di mobilità sostenibile : cambiamento strutturale e innovazione tecnologica*](#), a cura di, Egea, 2024.
3. [*Infrastrutture e investimenti. Valutazioni, regole, decisioni*](#), Egea, 2022.
4. [*Regional perspectives on policy evaluation*](#), Springer, 2014.
5. [*Geography, Institutions and Regional Economic Performance*](#), edited with R. Crescenzi, Springer, 2013
6. [*Il tocco della grazia. Pensieri, analisi e proposte per la Basilicata*](#), Osanna Editore, 2013.
7. *Project finance e capitali privati per lo sviluppo di infrastrutture. Aspetti economici e questioni aperte*, edited with R. Cohen e L. Senn, Egea 2008.
8. [*Transport Networks and Spatial Choices: A European Perspective*](#), Special Issue of *Transport Reviews*, edited with A. Reggiani
9. [*Petrolio e sostenibilità. Economia e politiche per lo sviluppo locale in Val d'Agri*](#), Regione Basilicata, 2005.
10. *Politica ambientale, reti e territorio*, edited with G. Gorla, 2005, Egea.
11. *Trasporti e sostenibilità ambientale. Analisi economica dei rapporti tra infrastrutture, mobilità e ambiente*, edited with L. Senn, 2003, Egea.

Articles

- [“Drought and aridity influence internal migration worldwide”](#), con Hoffmann, R., Abel, G., Malpede, M. Muttarak, R.. *Nature Climate Change*, 14, 1245–1253, 2024
- [“The Political Consequences of Green Policies: Evidence from Italy”](#), with I. Colantone, L. Di Lonardo and Y. Margalit, *American Political Science Review*, 118(1):108-126, 2024.
- [“Climate, desertification, and local human development: evidence from 1564 regions around the world”](#), with M. Malpede, *Annals of Regional Science*, 72:377–405, 2024.
- [“The long-term economic effects of aridification”](#), with M. Malpede, *Ecological Economics*, Vol.217, 2024.
- [“Aridification, precipitations and crop productivity: evidence from the aridity index”](#), with M. Malpede, *European Review of Agricultural Economics*, 50(3):978–1012, 2023.
- [“Resilience to health shocks and the spatial extent of local labour markets: evidence from the Covid-19 outbreak in Italy”](#), with M. Borsati and M. Cascarano, *Regional Studies*, 57(12):2503-2520, 2023.
- [“Questioning the spatial association between the initial spread of COVID-19 and transit usage in Italy”](#), with M. Borsati and S. Nocera, *Research in Transportation Economics*, 95(6):online, 2022.
- [“Gender Stereotypes and Price Dynamics in the Sharing Economy: Evidence from a Car Sharing Platform”](#), with P. Schmidt, *International Journal of Transport Economics*, 49(1):91-112, 2022.
- [“Lockdown measures and air quality: evidence from Italian provinces”](#), with M. Malpede, *Letters in Spatial and Resources Science*, 2021, 14:101–110.
- [“Spatial health inequality and regional disparities historical evidence from Malaria in Italy”](#), *Region*, 2021, 8(1):53-73.
- [“A formal test of the long-term environmental effects of road pricing in Milan”](#), *Research in transportation economics*, 2021, 85(March):online
- [“The political economy of place-based policies: evidence from land invasions and land reform in Basilicata, Italy”](#), *Territory, Politics and Governance*, 2021, 9(2):241-257.
- [“Environmental consequences of dread behavior: a note on 2005 London bombings”](#), *Research in transportation economics*, 2019, 73(March):83-88.
- [“New car taxation and its unintended environmental consequences”](#), con A.S. Bergantino e M. Intini, *Transportation Research A*, 2020, 138:36-48.
- [“The role of transport supply in the acceptability of pollution charge extension. The case of Milan: A comment”](#), *Transportation Research A*, 2020, 133:378-380.
- [“Spaces of competition in the sharing economy: taxi markets and Uber entry in NYC”](#), *International Journal of Transport Economics*, 2019, 44(4):113-136.

- ["The impact of working time on fuel consumption and CO2 emissions of public fleets: evidence from a policy experiment"](#), *Transport Policy*, 2018, 71(30):126-129.
- ["Plague and long-term development: the lasting effects of the 1629-30 epidemic on the Italian cities"](#), con G. Alfani, *Economic History Review*, 2019, 72(4):1175-1201.
- ["Wealth inequality, redistribution and local development. The case of land reform in Italy"](#), *Environment and Planning C – Politics & Space*, 2018, 36(2):181-200.
- ["Who welcomes them? The spatial distribution of refugees in Italy between attitude and opportunity"](#), con U. Fratesi and P. Proietti, *Regional Studies*, 2018, 53(1):118-130.
- ["The impact of intercontinental air accessibility on local economies: Evidence from the de-hubbing of Malpensa airport"](#), con M. Cattaneo and P. Malighetti, *Transport Policy*, 2018, 61(1):96-105.
- ["The impact of European cohesion policy in urban and rural regions"](#), con L. Gagliardi, *Regional Studies*, 2017, 51(6):857-868.
- ["The impact of European cohesion policy on regional growth: how much do strategy and local economic structure matter?"](#), *Regional Studies*, 2017, 51(6):833-843.
- ["An evaluation of the introduction of the Global Navigation Satellite System for railways: case studies from Italy"](#), *Journal of Rail Transport Planning and Management*, con O. Baccelli and G. Siciliano, 2017, 7(4):263-276.
- ["Cost distribution and the acceptability of road pricing: evidence from Milan's referendum"](#), *Journal of Transport Economics and Policy*, 2017, 51(1):34-46.
- ["The impact of road pricing on accidents: a note on Milan"](#), *Letters in Spatial and Resource Sciences*, 2016, 9(3): 343–352.
- ["Highways, local economic structure and urban development"](#), *Journal of Economic Geography*, 2016, 16(5):1035-1054.
- ["Labor market institutions, sensitivity to the cycle and the impact of the crisis in European regions"](#), *Tijdschrift voor economische en sociale geografie*, 2016, 107(3):375-385..
- ["Agenda setting and the political economy of fear: how crime news influences voters"](#), con P. Graziano, *International Political Science Review*, 2016, 38(5):520-533.
- ["Strategic planning and institutional collective action in Italian cities"](#), *Public Management Review*, 2016, 18(1):139-158.
- ["Health shocks and human capital accumulation: the case of Spanish flu in Italian regions"](#), *Regional Studies*, 2016, 50(9): 1496-1508.
- ["Temporal aggregation and spatio-temporal traffic modeling"](#), *Journal of Transport Geography*, 2016, 46(June):244–247.
- ["Homeownership and Saving Preferences: Evidence from Italy"](#), *Letters in Spatial and Resources Science*, 2015, 8(2):141-149.
- ["Entrepreneurship, Family Ties and Land Inequality: Evidence from Italy"](#), *Growth and Change*, 2015, 46(3): 443–457.
- ["Heterogeneity in the reaction of traffic flows to road pricing: a synthetic control approach applied to Milan"](#), *Transportation*, 2015, 42(6):1063-1079.
- ["Housing rent and road pricing in Milan: evidence from a geographical discontinuity approach"](#), con F.M. D’Arcangelo, *Transport Policy*, 44(November):108–116.
- ["Built to last: population aging and long run development in metropolitan Europe"](#), con L. Gagliardi, *International Journal of Global Environmental Issues*, 2015, 14(1-2)_113-131.
- ["Selective migration and regional growth: Evidence from Italy"](#), con U. Fratesi, *Regional Studies*, 48(10):1650-1668.
- ["Local labour market conditions and the spatial mobility of science and technology university students: evidence from Italy"](#), con N. Dotti, U. Fratesi and C. Lenzi, *Review of Regional Research: Jahrbuch für Regionalwissenschaft*, 2014, 34(2):119-137.
- ["Path dependence, Institutions and the Density of Economic Activities: Evidence from Italian Cities"](#), *Papers in regional science*, 2014, 93(1):53–76.
- ["Quality of institutions and private participation in transport infrastructure investment: evidence from developing countries"](#), *Transportation Research A*, 2014, 70(December):50–58.
- ["The impact of road pricing on housing prices: preliminary evidence from Milan"](#), *Transportation Research A*, 2014, 67(September):188–194.

- [“Local labour markets and the interregional mobility of Italian university students”](#), con N. Dotti, U. Fratesi, C. Lenzi, *Spatial Economic Analysis*, 2013, 8(3): 443-468.
- [“Strategies of regional development in European regions: are they efficient?”](#), *Cambridge Journal of Regions Economy and Society*, 2013, (2013) 6 (2): 303-318.
- [“The effect of road pricing on traffic composition: evidence from a natural experiment in Milan, Italy”](#), *Transport Policy*, 31(January):55-60.
- [“Is road pricing effective in abating pollution? Evidence from Milan”](#), *Transportation Research D*, 2013, 25(December):112-118.
- [“Social capital and the innovative performance of Italian provinces”](#), con L. Gagliardi and R. Crescenzi, *Environment and Planning A*, 2013, 45(4), 908-929, doi: 10.1068/a45221
- [“The fight against disease: malaria eradication and regional development in Italy”](#), *Economic Geography*, 2013, 89(2):105-125, DOI: 10.1111/ecge.12008
- [“Geography, Institutions and Urban Development: Evidence from Italian Cities”](#), *Annals of Regional Science*, 2013, 50(1):135-152.
- [“Infrastructure investment and growth in developing countries: does the type of contract matter?”](#), *Journal of Infrastructure Development*, 2012, 4(2):139-152.
- [“Are Project Appraisers Chiromancers?”](#), *Applied Economics Letters*, 2012, 19:237-241.
- [“Entrepreneurship, Social Capital and Institutions: Evidence from Italy”](#), *Spatial Economic Analysis*, 2012, 7(3):339-355.
- [“On the Sensitivity Analysis of the IIM: A Rejoinder”](#), *Risk Analysis*, 2012, 32(1):7-8.
- [“On the Sensitivity Analysis of Internal Rates of Return”](#), con E. Borgonovo, *International Journal of Production Economics*, 2012, 135:526-529.
- [“On the Local Sensitivity Analysis of the Inoperability Input-Output Model”](#), *Risk Analysis*, 2011, 31(7):1038-1042.
- [“Sensitivity Analysis of Portfolio Properties Under Budget Constraints”](#), con E. Borgonovo, *International Journal of Mathematics in Operational Research*, 2011, 3(3):295-321.
- [“Regional disparities in Italy over the long run: the role of human capital and trade policy”](#), con L. Gagliardi, *Region and Development*, 2011, 33:81-105.
- [“Urban Transport Policy and the Environment: Evidence from Italy”](#), *International Journal of Transport Economics*, 2010, 37(2):223-245.
- [“Mega-projects and Regional Development in the Italian Experience”](#), con L. Senn, *SR-Italian Journal of Regional Science*, 2010, 9(3S):5-14.
- [“Airport Activity and Local Development: Evidence from Italy”](#), *Urban Studies*, 2010, 47(11):427-443. [reprinted in: A. Graham and P. Morrell (eds), *Aviation Economics: Critical Concepts in Economics*, Routledge, forthcoming]
- [“Ports and Local Development: Evidence from Italy”](#), con C. Ferrari and A. Tedeschi, *International Journal of Transport Economics*, 2010, 37(1):9-30.
- [“Multi-level governance at work: Evidence from Structural Funds Management in Lombardia \(Italy\)”](#), con Michele Giove, *Environment and Planning C – Government and Policy*, 2009, 27(3):381-393.
- [“Service Industry and Cumulative Growth in the Regions of Europe”](#), con S. Dall’erba and G. Piras, *Entrepreneurship and Regional Development*, 2009, 21(4): 333-349.
- [“Estimating Individual Rates of Discount: A Meta-Analysis”](#), con P. Nijkamp, *Applied Economics Letters*, 2009, 16(12): 1235-1239.
- [“Port Authorities As Cluster Managers: The Case of Ligurian Ports”](#), con O. Baccelli and A. Tedeschi, *European Transport*, 2008, 39:44-58.
- [“The European Regional Growth Process Revisited”](#), (con S. Dall’erba and G. Piras), *Spatial Economic Analysis*, 2008, 3(1):7-25. [Best 2008 paper]
- [“Risk Aversion, Regional Welfare State and Private Pension Plans”](#), *Applied Financial Economics Letters*, 2008, 9:33-36.
- [“A Social Discount Rate for Italy”](#), *Applied Economics Letters*, 2008, 15(1):73-77.

- [“Transport Networks and Spatial Choices: A European Perspective”](#), con A. Reggiani, *Transport Reviews*, 2007, 27(5): 525-528.
- [“Would You Stick to Using Your Car Even if Charged? Evidence from Trento, Italy”](#), con C. Fiorio, *Transport Reviews*, 2007, 27(5):605-620.
- [“Evaluating Forecasting Accuracy of Temporally Aggregated Space-Time Autoregressive Models”](#), *Applied Economics Letters*, 2007, 14(9):637-641.
- [“A Note on the Inoperability Input-Output Model”](#), *Risk Analysis*, 2006, 26(3):589-594.
- [“Structural Change Decomposition Through Global Sensitivity Analysis of Input-Output Models”](#), con G.J.D. Hewings and L. Senn, *Economic Systems Research*, 2006, 18(2):115-131.
- [“The Impact of Structural Funds in the Italian Mezzogiorno, 1994-1999”](#), *Region and Development*, 2005, 21:141-153.
- [“Infrastructure and Economic Efficiency in Italian Regions”](#), *Networks and Spatial Economics*, 2004, 4(4):361-378.
- [“North-South Disparity, Complementarity and Competition Within Italy”](#), con S. Dall’erba, *SR - Italian Journal of Regional Science*, 2003, 2:29-49.

Chapters in books

- “Road traffic regulation: road pricing and environmental quality”, *Encyclopaedia of transportation*, Edward Elgar, 2021.
- “Car sharing and the impact on new car registration”, with M. Intini, *Encyclopaedia of transportation*, Edward Elgar, 2021.
- [“External Benefits of Smart Payment Tools for Airport Train Services”](#), in Walker, Th., Bergantino, A.S., Sprung-Much, N., Loiacono, L. (Eds.), *Sustainable Aviation. Greening the Flight Path*, London: Palgrave-MacMillan.
- [“The spatial economic effects of airport de-hubbing. The Milan case”](#), in A. Graham (ed), *Handbook on Airports and Regional Development*, Routledge, 2020.
- [“Geographical aspects of recent banking crises in Italy”](#), in S. Grandi, C. Sellar, J. Jafri, *Geofinance between Political and Financial Geographies. A Focus on the Semi-Periphery of the Global Financial System*, Edward Elgar, 2019.
- “Does a good neighborhood have a price? Rental prices and residential choices in 16th-17th century Milan”, with M. Barbot, in E. Canepari and M. Crisci (eds), *Moving Around in Town Practices, Pathways and Contexts of Intra-Urban Mobility from 1600 to the Present Day*, Rome: Viella, 2019.
- [“The geography of asylum seekers and refugees in Europe”](#), with U. Fratesi, in B. Biagi, A. Faggian, I. Rajbhandari and V. Venhorst (eds), *New Frontiers in Interregional Migration Research*, Berlin: Springer, 2019.
- [“The ‘Bright’ Side of Social Capital: How ‘Bridging’ Makes Italian Provinces More Innovative”](#), with R. Crescenzi and L. Gagliardi, in R. Crescenzi and M. Percoco (eds), *Geography, Institutions and Regional Economic Performance*, Springer, 2013.
- [“Economic structure, reaction to the crisis and entrepreneurs’ expectations in a mature regional economy: the case of Lombardia”](#), with D. Baiardi, in B. Dallago and C. Guglielminetti (eds), *Local Production Systems and Global Economic Crisis: responses and restructuring*, Routledge, 2012.
- [“City Logistics in Italy: Success Factors and Environmental Performance”](#), with C. Vaghi, in C. Macharis and S.M. Melo (eds), *Sustainable City Distribution*, Edward Elgar, 2011.
- “Contingent Valuation”, in K. Button and P. Nijkamp (eds), *Transport Dictionary*, Edward Elgar, 2010.
- “Hedonic Prices”, in K. Button and P. Nijkamp (eds), *Transport Dictionary*, Edward Elgar, 2010.
- “Regional Disparities and the Growth of Nations”, with M. Alderighi, in U. Fratesi and L. Senn (eds), *Growth in Interconnected Territories*, Springer-Verlag, 2009.
- “Environmental awareness and rail passenger transport in Europe”, with A. Reggiani, in CER (ed.), *Rail transport and Environment*, CER, Bruxelles.

“Convergence in Europe in Light of Structural Analysis of National Economies”, with S. dall’Erba and G.J.D. Hewings, in A. Reggiani and P. Rietveld, *Policy Analysis of Transport Networks*, Ashgate, 2007.

[“The Fiscal Implications of Infrastructure Development”](#), with R. Cohen, in J. Benavides (ed.), “Increasing Infrastructure Investment in Latin America and the Caribbean”, Inter-American Development Bank, 2005

Working papers

“Climate Variability and Income Inequality: Unraveling the U-Shaped Relationship at the Global Scale”, with M. Malpede.

[“Urban Compactness and Carbon Emissions: Global Evidence over the Period 1975-2020”](#), with G. Musto.

[“Soil Aridification, Precipitations, and Infant Health: Evidence from Africa”](#), with J. Lunghi and M. Malpede.

“Yet it Rains. Aridification, Agriculture and Farmers' Adaptation in Sub-Saharan Africa”, with J. Lunghi and M. Percoco.

“Local social capital, suspension of morals and the deportation of foreign Jews from Italy”

“Road pricing and accidents: evidence from Milan”, with M. Da Col.

“The Impact of Carbon Pricing on Local Economic Performance: Evidence from EU-ETS”, with I. Hernandez Carballo and G.M. Mallarino.

Publication in Italian

“La regolazione del trasporto ferroviario”, in C. Cambini, A. Manganelli, G. Napolitano e A. Nicita, *Economia e diritto della regolazione. Reti, piattaforme e servizi di pubblica utilità*, il Mulino, in corso di pubblicazione.

“Da lì a qui. Analisi degli impatti e valutazione prospettica delle politiche di trasporto”, con M. Borsati, in G. De Blasio, A. Nicita, F. Pammolli, (Eds), *Evidence-based policy. Politiche pubbliche basate sull'evidenza scientifica per un'Italia migliore*, Bologna: il Mulino, 2022

“Politica di Coesione, settori ad alta intensità di conoscenza e innovazione”, in U. Fratesi (Ed.), *Politiche regionali: dal periodo 2014-20 verso la nuova programmazione, lezioni ed esperienze a confronto*, Milano: Egea, 2022.

[“Le piattaforme digitali tra opportunità e incertezze normative: il caso Uber”](#), with C. Papadimitriu, *Rivista Giuridica del Mezzogiorno*, 2019, 2:451-480.

[“Mercato rilevante nel servizio di trasporto merci via mare: una nota sul provvedimento AGCM n. A487 del 23 marzo 2018”](#), *Mercato Concorrenza e Regole*, 2018, 3: 547-554.

“La questione meridionale”, in S. Rolando and G. Vetrutto (eds), *Lecture nittiane. Sette riflessioni in pubblico sulle principali opere di Francesco Saverio Nitti*, Soveria: Rubbettino, 2018.

[“La persistenza nella distribuzione della ricchezza: il caso della Cassa Sacra in Calabria”](#), with S. Pennazzi Catalani, *Rivista Economica del Mezzogiorno*, 2017, 31(4):1069-1090.

“L'accettabilità delle politiche di road pricing: suggestioni a partire dal caso di Milano”, *Trasporti & Cultura*, 2017, n.47:55-62.

“Effetti ambientali di breve e di lungo periodo del road pricing a Milano”, in E. Marcucci and V. Gatta (eds), *Le politiche per la mobilità urbana sostenibile. Le sfide del futuro*, Rome: Editrice Apes, 2017.

“Analisi economica della plusvalenza ex articolo 16 comma 4 del Testo Unico dell’Edilizia: una nota”, *Urbanistica e Appalti*, 2017, n.6:785-791.

[“D. Bubbico – L’economia del petrolio e il lavoro. L’estrazione di idrocarburi in Basilicata tra fabbisogno energetico nazionale e impatto sull’economia locale”](#), *Rivista Economica del Mezzogiorno*, 2016, 30(4):1100-1102.

- [“L'introduzione di strumenti di pagamento contactless: un'analisi costi-benefici per Milano”](#), *Rivista di Economia e Politica dei Trasporti*, 2016, n.3, art. 2.
- “Identità territoriale e migrazioni: prime evidenze empiriche per l'Europa”, with B. Biagi and A. Faggian, in *Annali del Dipartimento di Metodi e Modelli per l'Economia, Il Territorio e la Finanza 2013/2014*, 2015.
- “L'effetto dell'Ecopass sull'incidentalità”, with G.J.D. Hewings, in A. Bramanti and G. Gorla (eds), *Competitività territoriale, trasporti, politiche*, Milan: Egea, 2014.
- [“L'occupazione delle terre in Basilicata: determinanti politiche ed economiche”](#), *QA La questione agraria*, 2013, 4: 79-98.
- [“Rete autostradale e sviluppo urbano in Italia”](#), *l'Industria*, 2013, 1:181-196.
- “Fiscalità urbanistica e consumo di suolo”, with A. Zanardi, in Vendaschi (ed.), *Verso una nuova urbanistica*, NIS, 2013
- [“Attività estrattive e creazione di nuove imprese in Basilicata”](#), *Rivista Economica del Mezzogiorno*, 2012, 4:881-898.
- [“Banfield aveva ragione. Sviluppo locale ed imprese cooperative in Italia”](#), *l'Industria*, 2012, 2:283-304
- [“Analisi Costi Benefici di grandi infrastrutture di trasporto e Wider Economic Effect: una rassegna”](#), con F. Cattaneo, *Politica Economica*, 2011(1):125-150.
- [“La dimensione spaziale della crisi del 2008-2009”](#), *SR-Italian Journal of Regional Science*, 2010, 9(2):101-104.
- “Le relazioni pericolose: finanza locale e dispersione urbana”, in E. Anessi Pessina, M. Sicilia, I. Steccolini (eds), *Bilanci pubblici tra riforma e prassi: quali sfide per il futuro?*, Egea, 2011.
- “La governance multilivello e le politiche di sviluppo locale: una valutazione empirica dei Programmi Integrati di Sviluppo Locale (PISL) della Regione Lombardia”, with M. Giove, in C. Sumiraschi (ed.), *La valutazione come opportunità per lo sviluppo regionale*, Franco Angeli, 2010.
- “Analisi Costi-Benefici e Ambiente”, in F. Ferlaino (ed), *Strumenti per la valutazione ambientale della città e del territorio*, FrancoAngeli, 2010.
- [“L'azione collettiva per il rilancio delle città: il caso della pianificazione strategica”](#), with E. Gigliarano, *Foedus*, 26(2010):52-71.
- “Politica fiscale, investimenti pubblici e criticità del project financing”, with R. Cohen, in Percoco, M. L. Senn and R. Cohen(eds), *Project financing e capitali privati nello sviluppo di infrastrutture*, Egea, 2008.
- “Crescita regionale ed infrastrutture: una rassegna ed alcune evidenze empiriche dal caso italiano”, in Percoco, M. L. Senn and R. Cohen(eds), *Project financing e capitali privati nello sviluppo di infrastrutture*, Egea, 2008.
- “Analisi economica della finanza di progetto”, with R. Cohen, in Percoco, M. L. Senn and R. Cohen(eds), *Project financing e capitali privati nello sviluppo di infrastrutture*, Egea, 2008.
- “Introduzione”, con G. Gorla, in Gorla e Percoco (eds), *Politica ambientale, reti e territorio*, Egea, 2005.
- “The making of environmental policy in an Input-Output framework”, in Gorla e Percoco, (eds), *Politica ambientale, reti e territorio*, Egea, 2005.
- “Stima e analisi di sensibilità di un modello discreto di scelta modale”, with C. Fiorio, in E. Venezia (ed.), *Economia dei trasporti urbani*, Francoangeli, 2005.
- “Infrastrutture e sviluppo locale: una prospettiva di governance”, *Impresa e Stato*, n. 66/2004
- [“Alternative Policies for Solid Waste Management”](#), *Politica Economica*, n.2/2004
- “L'edilizia popolare in una comunità del Mezzogiorno: il caso di Potenza”, with A. Percoco, *Urbanistica Informazioni*, n. 194/2004
- “Introduzione”, con L. Senn, in Percoco e Senn, in Percoco e Senn (eds), *Trasporti e sostenibilità ambientale*, Egea, 2003.
- “Infrastrutture ed esternalità ambientali: problemi teorici e metodologici”, in Percoco e Senn (eds), *Trasporti e sostenibilità ambientale*, Egea, 2003

- “Analisi del rischio di un portafoglio immobiliare: un’estensione del metodo RER”, AF Analisi Finanziaria, n.3/2003
- “La contabilità ambientale come strumento di gestione del territorio”, Studi economici e sociali, n.4/2003
- “Liberalizzazione dei servizi idrici e sviluppo locale”, with L. Senn, Management delle Utilities, n. 3/2003
- [“L’efficienza tecnica nel settore dei servizi idrici”](#), Economia Pubblica, n.5/2003
- “Infrastructure and regional advantage: lessons from Europe”, in Trasporti, n. 88/2003
- “I trasporti marittimi nel processo di integrazione euro-mediterranea”, in Economia Marche, n. 2/2003
- “Le città della New Economy”, in Impresa e Stato, n. 60, 2002
- [“Efficienza e regolazione nel settore dei trasporti pubblici locali”](#), in l’Industria, n. 3/2002
- “Percezione del tempo e dello spazio e irreversibilità nella valutazione degli investimenti”, in L. Malfi e D. Martellato (a cura di), Il capitale nello sviluppo locale e regionale, FrancoAngeli, 2002.
- “Potenzialità, prospettive e politiche per lo sviluppo del settore turistico bergamasco”, with C. Lira, in Rapporto sull’economia bergamasca (2000-2001), CCIAA Bergamo.
- “Physis e Tecne ovvero del cambiamento climatico e dell’innovazione tecnologica”, in Equilibri, n. 1/2001.
- “Criminalità ambientale: un’analisi economica”, in Economia delle fonti di energia e dell’ambiente n.1/2001.
- “Strumenti economici per il controllo dei rifiuti solidi urbani”, in Economia & Ambiente, n.1/2001.
- [“La tariffa sui rifiuti solidi urbani: strumento di politica economica ambientale?”](#), in Economia Pubblica, n. 5/2001.
- “Sviluppi nella teoria della valutazione degli investimenti” in M. Ravasio e L. Senn (a cura di), Investire in infrastrutture, Egea, 2001.
- “I rifiuti solidi urbani: una sfida per lo sviluppo sostenibile”, with S. Cima, in Equilibri n. 3/2000.