

## Curriculum Vitae

### **Gianmarco Ireo Paolo OTTAVIANO**

Born in Milan (Italy) on Sept.29, 1967. Italian citizenship.

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### **CURRENT POSITIONS**

Professor of Economics, Department of Economics, London School of Economics and Political Science, London, UK.

Honorary Professor of Economics (*Chiamata per chiara fama*), Department of Economics, Università di Bologna, Bologna, Italy.

Director of the Trade Programme, Centre for Economic Performance, London School of Economics and Political Science, London, UK.

Senior Non-Resident Fellow, Bruegel, Brussels, Belgium.

Research Fellow, Centre for Economic Policy Research (CEPR), International Trade Programme, London, U.K.

Research Fellow, Center for Financial Studies (CFS), Frankfurt, Germany.

Research Fellow, Kiel Institute for the World Economy (IFW), Kiel, Germany.

External Research Fellow, Centre for Research and Analysis of Migration (CReAM), University College London, U.K.

External Research Fellow, Leverhulme Centre for Research on Globalisation and Economic Policy (GEP), University of Nottingham, U.K.

### **PAST POSITIONS**

2001-2014. Research Fellow, Fondazione ENI Enrico Mattei (FEEM), Milan, Italy.

2008-2013. Full Professor of Economics, Department of Economics, Bocconi University,

Milan, Italy. Taught courses: International Economics, Macroeconomics. 2009-2011. Coordinator of the PhD Degree Program in Economics.

2011-2013. Vice-Director, Paolo Baffi Centre on Central Banking and Financial Regulation, Bocconi University, Milan, Italy.

2002-2013. Research Fellow, Knowledge, Internationalization and Technology Studies (KITES, formerly CESPRI), Bocconi University, Milan, Italy. Member of the Scientific Advisory Board from 2009 to 2013.

2007-2010. Research Affiliate, Institut de Anàlisi Econòmica, C.S.I.C., Universitat Autònoma de Barcelona, Spain.

2002-2008. Full Professor of Economics, Department of Economics, University of Bologna, Bologna, Italy. 2006-2008. Coordinator of the *Laurea Magistralis* in Economics (LMEC). 2007-2008. Tutor of the *Collegio Superiore*.

2002-2007. Research Associate, Hamburg Institute of International Economics (HWWA), Research Department European Integration, Hamburg, Germany.

2001-2003. Research Fellow, Graduate Institute of International Studies (GIIS), Geneva, Switzerland.

2000-2002. Associate Professor of Economics, Department of Economics, Università Commerciale “L. Bocconi”, Milan, Italy.

1995-2000. Assistant Professor of Economics, Department of Economics, University of Bologna, Bologna, Italy.

1999. Jean Monnet Fellow, European University Institute, Fiesole, Italy.

1997-1999. Member, Centre for Operational Research and Econometrics (CORE), Université Catholique de Louvain, Louvain-la-Neuve, Belgium.

## **EDUCATION**

1998. Université Catholique de Louvain, Louvain-la-Neuve, Belgium. Ph.D. in Economics. Supervisor: Jacques-François Thisse.

1995. Università Commerciale “L. Bocconi”, Milan, Italy. Doctorate (*Dottorato di Ricerca*) in Economics. Supervisor: Fabrizio Onida.

1994. Graduate Institute of International Studies, Geneva, Switzerland. Certificate of International Studies. Supervisor: Richard Baldwin.

1993. London School of Economics, London, U.K.. Master of Science in Economics. Supervisor: Anthony J. Venables.

1991. Università Commerciale “L. Bocconi”, Milan, Italy. Bachelor Degree (*Laurea cum laude*) in Economic and Social Sciences (D.E.S.). Supervisor: Fabrizio Onida.

1990. Stockholm School of Economics, Stockholm, Sweden. Financial Economics. Supervisor: Clas Bergstrom.

## PUBLICATIONS

Google Citations profile: <http://scholar.google.com/citations?user=-z6U4wQAAAAJ>

### Monographs

1. “International trade and economic geography: Two essays on location and protection”, Geneva (Switzerland), 1994.
2. “Dynamic and strategic considerations in international and interregional trade”, CIACO, Louvain-la-Neuve (Belgium), 1998.
3. “Teoria e politica degli scambi internazionali” (with Giorgio Basevi e Giacomo Calzolari), Carocci, Rome (Italy), 2001.
4. “Economic geography and public policy” (with Richard Baldwin, Rikard Forslid, Philippe Martin, and Frederic Robert-Nicoud), Princeton University Press, Princeton (USA), 2003. *Reprinted (Chapter 9):* in Jovanovic M., ed., Economic integration and spatial location of firms and industries, The International Library of Critical Writings in Economics, Edward Elgar, Cheltenham (UK), 2007.
5. “The challenge of globalization for Finland and its regions: The new economic geography perspective” (with Dino Pinelli), Prime Minister’s Office, Publication 24/2004, Helsinki (Finland), 2004.
6. “The Happy Few: The internationalisation of European firms” (with Thierry Mayer), Bruegel Blueprint 3, Brussels (Belgium), 2007.
7. “Of markets, products and prices: The effects of the euro on European firms” (with Lionel Fontagné and Thierry Mayer), Bruegel Blueprint 8, Brussels (Belgium), 2009.
8. “The triggers of competitiveness: The EFIGE cross-country report” (with Carlo Altomonte and Tommaso Aquilante), Bruegel Blueprint 17, Brussels (Belgium), 2012.
9. “Made in Torino? Fiat Chrysler Automobiles e il future dell’industria” (with Giorgio Barba Navaretti), Il Mulino, Bologna (Italy), 2014.

### Articles in journals

1. “Isteresi della domanda di beni: effetti persistenti di ampie fluttuazioni dei tassi di cambio sulle quote di mercato delle imprese esportatrici”, Il Giornale degli Economisti e Annali di Economia, Milan (Italy), Vol. Maggio-Agosto, 1992, pp. 217-233.
2. “La geographie de l’Europe multi-vitesse” (with Philippe Martin), Economie Internationale, Vol. 67, Paris (France), 1996, pp. 45-65.

3. "The location effects of isolation", Swiss Journal of Statistics and Economics, Vol. 132, Bern (Switzerland), 1996, pp. 427-440.
4. "L'agglomération dans l'économie mondiale" (with Diego Puga), Economie Internationale, Vol. 71, Paris (France), 1997, pp. 75-100.
5. "Agglomeration in the global economy: A survey of 'new economic geography'" (with Diego Puga), World Economy, Vol. 21, Oxford (UK), 1998, pp. 707-731.
6. "Le promesse dell' Euro e la prosperità degli europei", Sistemaeconomico, Vol. 2-3, Rimini (Italy), 1998, pp. 29-34.
7. "Growing locations: Industry location in a model of endogenous growth" (with Philippe Martin), European Economic Review, Vol. 43, Amsterdam (Netherlands), 1999, pp. 253-280.
8. "Integration, geography and the burden of history", Regional Science and Urban Economics, Vol. 29, Amsterdam (Netherlands), 1999, pp. 245-256.
9. "*Ad usum delphini*: A primer in 'new economic geography'", Giornale degli Economisti e Annali di Economia, Vol. 59, Milan (Italy), 2000, pp. 89-116.
10. "Growth and agglomeration" (with Philippe Martin), International Economic Review, Vol. 42, Philadelphia (USA), 2001, pp. 947-968.
11. "Multiproduct multinationals and reciprocal FDI dumping" (with Richard E. Baldwin), Journal of International Economics, Vol. 54, Amsterdam (Netherlands), 2001, pp. 429-448.
12. "Global income divergence, trade and industrialization: The geography of growth take-offs" (with Richard Baldwin and Philippe Martin), Journal of Economic Growth, Vol. 6, Dordrecht (Netherlands), 2001, pp. 5-37.
13. "On economic geography in economic theory: increasing returns and pecuniary externalities" (with Jacques-François Thisse), Journal of Economic Geography, Vol. 1, Oxford (UK), 2001, 153-179.
14. "Monopolistic competition, trade, and endogenous spatial fluctuations", Regional Science and Urban Economics, Vol. 31, Amsterdam (Netherlands), 2001, pp. 51-77.
15. "Outsiders in economic integration: The case of a transition economy" (with Stefano Manzocchi), Economics of Transition, Vol. 9, Oxford (UK), 2001, pp. 229-249.
16. "Agglomeration and trade revisited" (with Takatoshi Tabuchi and Jacques-François Thisse), International Economic Review, Vol. 43, Philadelphia (USA), 2002, pp. 409-435.
17. "Integration, agglomeration and the political economics of factor mobility" (con Jacques-François Thisse), Journal of Public Economics, Vol. 83, Amsterdam (Netherlands) 2002, pp. 429-456.

18. "The district and the global economy: Exportation versus foreign location" (with Giorgio Basevi), Journal of Regional Science, Vol. 42, Tucson (USA), 2002, pp. 107-126.
19. "On the welfare costs of exclusion: The case of Central Eastern Europe" (with Cinzia Alcidi and Stefano Manzocchi), Rivista di Politica Economica, Vol. XCII, Rome (Italy), 2002, pp. 179-207.
20. "An analytically solvable core-periphery model" (with Rikard Forslid), Journal of Economic Geography, Vol. 3, Oxford (UK), 2003, 229-240.
21. "Regional policy in the global economy: Insights from New Economic Geography", Regional Studies, Vol. 37, Abingdon (UK), 2003, 665-674.
22. "Welfare in a differentiated oligopoly with free entry: a cautionary note" (con Roberto Cellini e Luca Lambertini), Research in Economics, Vol. 58, Amsterdam (Netherlands), 2004, pp. 125-133.
23. "Special interests and technological change" (with Giorgio Belletini), Review of Economic Studies, Vol. 72, London (UK), 2005.
24. "Child labor and resistance to change" (with Giorgio Belletini and Carlotta Berti Ceroni), Economica, Vol. 72, 2005, pp. 397-411.
25. "A 'new economic geography' perspective on globalization" (with Dino Pinelli), Italian Journal of Regional Science, Vol. 4, 2005, pp. 71-106.
26. "La competitività delle imprese italiane: all'origine del malessere" (with Massimo del Gatto and Marcello Pagnini), Economia Italiana, N.1 Gennaio-Aprile, 2005, pp. 75-94.
27. "Tecnolocalizzazione" (with William Malizia and Dino Pinelli), Equilibri, Vol. 1/2005, pp. 181-192.
28. "Market size and tax competition" (with Tanguy Van Ypersele), Journal of International Economics, Vol. 67, 2005, pp. 25-46.
29. "Cities and cultures" (with Giovanni Peri), Journal of Urban Economics, Vol. 58, 2005, pp. 304-337.
30. "New Economic Geography: what about the N?" (with Jacques-François Thisse), Environment and Planning A, Vol. 37, 2005, pp. 1707-1725.
31. "The economic value of cultural diversity: Evidence from US cities" (with Giovanni Peri), Journal of Economic Geography, Vol. 6, 2006, pp. 9-44.
32. "The 'genome' of NEG models with vertical linkages: A positive and normative synthesis" (with Frederic Robert-Nicoud), Journal of Economic Geography, Vol. 6, 2006, pp. 113-139.
33. "Market potential and productivity: Evidence from Finnish regions" (with Dino

- Pinelli), Regional Science and Urban Economics, Vol. 36, 2006, pp. 636-657.
34. “How density economies in international transportation link the internal geography of trading partners” (with Kristian Behrens, Carl Gaigné and Jacques-François Thisse), Journal of Urban Economics, Vol. 60, 2006, pp. 248-263.
  35. “Is remoteness a locational disadvantage?” (with Kristian Behrens, Carl Gaigné and Jacques-François Thisse), Journal of Economic Geography, Vol. 6, 2006, pp. 347-368.
  36. “Commodity tax harmonization and the location of industry” (with Kristian Behrens, Jonathan Hamilton and Jacques-François Thisse), Journal of International Economics, Vol. 72, 2007, pp. 271-291.
  37. “Distance and FDI when contracts are incomplete” (with Alessandro Turrini), Journal of the European Economic Association, 2007, Vol. 5, pp. 796-822.
  38. “Countries, regions and trade: On the welfare impacts of economic integration” (with Kristian Behrens, Carl Gaigné, Jacques-François Thisse), European Economic Review, 2007, Vol. 51, pp. 1277-1301.
  39. “Thirty-five years of R(S)UE: A retrospective” (with G. Alfredo Minerva), Regional Science and Urban Economics, 2007, Vol. 37, pp. 434-449.
  40. “Changes in infrastructure and tariff barriers: Local VS global impacts” (with Kristian Behrens, Andrea Lamorgese and Takatoshi Tabuchi), Regional Science and Urban Economics, 2007, Vol. 37, pp. 625–648.
  41. “Openness to trade and industry cost dispersion: Evidence from a panel of Italian firms” (with Massimo Del Gatto and Marcello Pagnini), Journal of Regional Science, 2008, Vol. 48, pp. 97-129.
  42. “Market size, trade and productivity” (with Marc Melitz), Review of Economic Studies, 2008, Vol. 75, pp. 295 - 316.
  43. “The Happy Few: The internationalisation of European firms” (with Thierry Mayer), Intereconomics, 2008, Vol. 43, pp. 135-148.
  44. “Infrastructure and economic geography: An overview of theory and evidence”, European Investment Bank Papers, Vol. 13, 2008, pp. 8-35.
  45. “I pochi eletti: nuovi fatti sull’internazionalizzazione delle imprese europee” (with Thierry Mayer), L’industria, 2008, Anno XXIX, pp. 221-244.
  46. “Industry reallocations in a globalizing economy” (with Kristian Behrens and Giordano Mion), Economia e politica industriale, 2008, Vol. 4, pp. 51-63.
  47. “Offshoring and product innovation” (with Alireza Naghavi), Economic Theory, 2009, Vol. 38, pp. 517-532.
  48. “The euro and the competitiveness of European firms” (with F. Di Mauro and D. Taglioni), Economic Policy, 2009, Vol. 24, pp. 5-53.

49. “Of markets, products and prices: The effects of the euro on European firms” (with Lionel Fontagné and Thierry Mayer), Intereconomics, 2009, Vol. 44, pp. 149-158.
50. “Dentro la crisi – Il rischio per i network internazionali di produzione” (with Carlo Altomonte), Equilibri, Vol. 1/2009, pp. 13-18.
51. “Beyond the home market effect: Market size and specialization in a multi-country world” (with Kristian Behrens, Andrea Lamorgese and Takatoshi Tabuchi), Journal of International Economics, Vol. 79, 2009, pp. 259-265.
52. “Cultural identity and knowledge creation in cosmopolitan cities” (with G. Prarolo), Journal of Regional Science, Vol. 49, 2009, pp. 647-662.
53. “Commodity tax competition and industry location under the destination and the origin principle” (with Kristian Behrens, Jonathan Hamilton and Jacques-François Thisse), Regional Science and Urban Economics, Vol. 39, 2009, pp. 422-433.
54. “Firm heterogeneity, contract enforcement, and the industry dynamics of offshoring” (with Alireza Naghavi), Scandinavian Journal of Economics, Vol. 111, 2009, pp. 629–653, 2009.
55. “The labor market effects of immigration in Western Germany in the 1990’s” (with Francesco D’Amuri and Giovanni Peri), European Economic Review, Vol. 54, 2010, pp. 550-570.
56. “Outsourcing, complementary innovations and growth” (with Alireza Naghavi), Industrial and Corporate Change, Vol. 19, 2010, pp. 1009-1035.
57. “Monopolistic competition, multiproduct firms and optimum product diversity” (with Jacques-François Thisse), Manchester School, Vol. 79, 2011, pp. 938–951.
58. “‘New’ New Economic Geography: Firm heterogeneity and agglomeration economies”, Journal of Economic Geography, Vol. 11, 2011, pp. 231-240.
59. “SMEs in Argentina: Who are the exporters?” (with Christian Volpe Martincus), Small Business Economics, Vol. 37, 2011, pp. 341-361.
60. “The role of international production sharing in EU productivity and competitiveness” (with Carlo Altomonte), European Investment Bank Papers, Vol. 16, 2011, pp. 62-89.
61. “Rethinking the gains of immigration on wages.” (with Giovanni Peri), Journal of the European Economic Association, Vol. 10, 2012, pp. 152-197.
62. “Productivity and Firm Selection: Quantifying the "New" Gains from Trade” (with Gregory Corcos, Massimo Del Gatto and Giordano Mion), Economic Journal, Vol. 122, 2012, pp. 754-798.
63. “Agglomeration, trade and selection”, Regional Science and Urban Economics, Vol. 42, 2012, pp. 905-1068.

64. “Introduction: Whither spatial econometrics?” (with Mark Partridge, Marlon Boarnet and Steven Brakman), Journal of Regional Science, Vol. 52, 2012, pp. 167-171.
65. “New frontiers of immigration research: cities and firms” (with Giovanni Peri), Journal of Regional Science, Vol. 53, 2013, pp. 1-7.
66. “Immigration, offshoring and American jobs” (with Giovanni Peri and Greg Wright), American Economic Review, Vol. 103, 2013, pp. 1925-1959.
67. “Internationalization and innovation of firms: evidence and policy” (with Carlo Altomonte, Tommaso Aquilante and Gábor Békés), Economic Policy, Vol. 28, 2013, pp. 663-700.
68. “Market size, competition, and the product mix of exporters” (with Thierry Mayer and Marc Melitz), American Economic Review, Vol. 104, 2014, pp. 495–536.
69. “Monopolistic competition and optimum product selection” (with Antonella Nocco and Matteo Salto), American Economic Review, Vol. 104, Papers and Proceedings, 2014, pp. 304–309.

#### **Articles in volumes**

1. “Recenti sviluppi economici interni e posizione internazionale del Giappone” (with Paolo Manasse), Rapporto sul commercio estero 1991, ICE, Rome (Italy), 1992, pp. 313-322.
2. “Insiders e outsiders nei processi di integrazione regionale. Il caso delle economie in transizione” (with Stefano Manzocchi), in P.C. Padoan, ed., L’euro e i mercati reali, Il Mulino, Bologna (Italy), 2000.
3. “Distretti industriali e mercato globale: esportazioni o investimenti diretti?” (with Giorgio Basevi), in Garavello O. and G. Barba Navaretti, eds., Investimenti esteri delle imprese italiane nei paesi emergenti, Fondazione Giordano dell’Amore, Giuffrè Editore, Milan (Italy), 2001.
4. “Location, re-location and de-location: a tug of war across national borders?”, in Basevi G., Donato V. and O’Connell A., eds., Real effects of regional integration in the European Union and the Mercosur: Inter-continental views on intra-continental experiences, Editorial de la Universidad de Bologna en Buenos Aires, Buenos Aires (Argentina), 2003.
5. “Space, factors and spillovers” (with Andrea Lamorgese), in Banca d’Italia, Il commercio con l’estero e la collocazione internazionale dell’economia italiana, Rome (Italy), 2003.
6. “On the welfare costs of exclusion: the case of Central Eastern Europe” (with Cinzia Alcidi and Stefano Manzocchi), in Manzocchi S., ed., The Economics of Enlargement, Palgrave Macmillan, New York (USA), 2003.
7. “The core-periphery model: key features and effects” (with Richard Baldwin, Rikard Forslid, Philippe Martin, and Frederic Robert-Nicoud), in Brakman S. and Heijdra B.,



- eds., The Monopolistic Competition Revolution in Retrospect, Cambridge University Press, Cambridge (UK), 2003.
8. “Agglomeration and economic geography” (con Jacques-François Thisse), in Henderson J.V. e Thisse J.-F., ed., Handbook of Regional and Urban Economics, Vol.4, North-Holland, Amsterdam (Netherlands), 2004.
  9. “Agglomeration and trade revisited” (con Takatoshi Tabuchi e Jacques-François Thisse), International Economic Review, Vol. 43, Philadelphia (USA), 2002, pp. 409-435. *Reprinted:* in Fujita M., ed., Spatial Economics, The International Library of Critical Writings in Economics, Edward Elgar, Cheltenham (UK), 2005. . *Reprinted:* in Henderson J.V., ed., New Economic Geography, The International Library of Critical Writings in Economics, Edward Elgar, Cheltenham (UK), 2005.
  10. “Footloose capital, market access and the geography of regional state aid”, in Mucchielli J.-L. e Mayer T., ed., Multinational Firms’ Location and the New Economic Geography, Edward Elgar, Cheltenham (UK), 2004. *Reprinted:* in Jovanovic M., ed., Economic integration and spatial location of firms and industries, The International Library of Critical Writings in Economics, Edward Elgar, Cheltenham (UK), 2007.
  11. “Models of ‘new economic geography’: Factor mobility vs. vertical linkages” , in Fingleton B, ed., New Directions in Economic Geography, Edward Elgar, Cheltenham (UK), 2007.
  12. “Policy and Economic Geography: What's New?”, (with Richard Baldwin, Rikard Forslid, Philippe Martin and Frederic Robert-Nicoud) in Economic Geography and Public Policy, Chapter 9, Princeton University Press, Princeton (USA), 2003. *Reprinted:* in Jovanovic M.R, ed., Location of Firms and Industries, The International Library of Critical Writings in Economics, Edward Elgar, Cheltenham (UK), 2007.
  13. “Agglomeration in the global economy: A survey of ‘new economic geography’” (with Diego Puga), World Economy, Vol. 21, Oxford (UK), 1998, pp. 707-731. *Reprinted:* in Jovanovic M., ed., Economic integration and spatial location of firms and industries, The International Library of Critical Writings in Economics, Edward Elgar, Cheltenham (UK), 2007.
  14. “The challenges of ultra-peripherality: A new economic geography perspective”, in European Outermost Regions: The Macroeconomic Situation, Regional Government of the Azores (Spain), 2007.
  15. “Growth and agglomeration” (with Philippe Martin), International Economic Review, Vol. 42, Philadelphia (USA), 2001, pp. 947-968. *Reprinted:* in Krug J. and Daniels J., eds., Multinational Enterprise Theory, Sage Library in Business & Management, Sage Publications, London (UK), 2008.
  16. O Efeito do BNDES na Produtividade das Empresas” (with Filipe Sousa) in de Negri J.A. and Kubota L.C., eds., Política de Incentivo `a Inovacao Tecnologica no Brasil, IPEA/MPO, Rio de Janeiro (Brasil), 2008.

17. “Outsourcing, contracts and innovation networks” (with Alireza Naghavi), in Brakman S and Garretsen H., eds., Foreign Direct Investment and the Multinational Enterprise, MIT Press, Cambridge MA (USA), 2008.
18. “Contract enforcement, comparative advantage and long-run growth”, in Helpman E., Marin D. and Verdier T., eds., The Organization of Firms in a Global Economy, Harvard University Press, Cambridge MA (USA), 2008.
19. “New economic geography”, in Reinert K., Rajan R., Glass A., Davis L., eds., Encyclopaedia of the World Economy, Princeton University Press, Princeton (USA), 2008.
20. “National disparities and the regional allocation of resources: A positive framework”, in Blyde J., Fernandez-Arias E. and Giordano P., eds., Deepening Integration in MERCOSUR: Dealing with Disparities, Inter-American Development Bank, Washington D.C. (USA), 2008.
21. “Endogenous growth theories: Agglomeration benefits and transportation costs” (with G. Alfredo Minerva), in Capello R. and Nijkamp P., eds., Handbook of Regional Growth and Development Theories, Edward Elgar, Cheltenham (UK), 2009.
22. “Local Innovative activity and regional productivity: Implications for the Finnish national innovation policy” (with Aki Kangasharju and Mika Maliranta), in Evaluation of the Finnish National Innovation System, Taloustieto Oy (on behalf of the Ministry of Education and the Ministry of Employment and the Economy), Helsinki University Print, 2009.
23. “Industry reallocations in a globalizing economy” (with Kristian Behrens and Giordano Mion), in Miroslav H. Jovanovic, ed., International Handbook of Economic Integration, Vol. II, Edward Elgar, Cheltenham (UK), 2011.
24. “General equilibrium trade theory and firm behaviour” (with Kristian Behrens), in Bernhofen D., Falvey R., Greenaway D. and Kreickemeier U., eds., Palgrave Handbook of International Trade, Palgrave Macmillan, New York (USA), 2011.
25. “The euro and the competitiveness of European firms” (with Filippo Di Mauro and Daria Taglioni), in Codogno L. and Paganetto L., eds., Measuring Italy’s External Competitiveness, Fondazione Manlio Masi, Rubbettino Editore, Roma (Italy), 2011.
26. “Firm Heterogeneity, Endogenous Entry, and the Business Cycle”, in Jeffrey Frankel and Christopher Pissarides, eds., NBER International Seminar on Macroeconomics 2011, University of Chicago Press, Chicago (USA), 2012.
27. “The effects of immigration on U.S. wages and rents: A general equilibrium approach” (with Giovanni Peri), in Nijkamp P. and Poot J., eds., Migration Impact Assessment: New Horizons, Palgrave Macmillan, Northampton MA (USA), 2012.
28. “Cultural diversity and economic performance: Evidence from European regions” (with Elena Bellini, Dino Pinelli, Giovanni Prarolo), in Riccardo Crescenzi e Marco Percoco, eds., Geography, Institutions and Regional Economic Performance, Springer, Berlin (Germany), 2013.

29. “Global Value Chains during the Great Trade Collapse: A Bullwhip Effect?” (with Carlo Altomonte, Filippo Di Mauro, Armando Rungi, Vincent Vicard), in Sjoerd Beugelsdijk, Steven Brakman, Hans van Ees, and Harry Garretsen, eds., Firms in the International Economy: Closing the Gap between International Economics and International Business, MIT Press, Cambridge MA (USA), 2013.
30. “Regional growth and regional decline” (with Holger Breinlich and Jonathan Temple), in Aghion P. and Durlauf S.N., ed., Handbook of Economic Growth, Vol.2, North-Holland, Amsterdam (Netherlands), 2013.
31. “Immigration, Diversity and the Labour Market Outcomes of Native Workers: Some Recent Developments”, in Fauri F., ed., The History of Migration in Europe: Perspectives from Economics, Politics and Sociology, Routledge, Abingdon (UK), 2014.
32. “European integration and the gains from trade”, Routledge Handbook of the Economics of European Integration, Routledge, Abingdon (UK), 2015.
33. “Regional Economic Integration”. *Forthcoming*: The International Encyclopedia of Geography: People, the Earth, Environment, and Technology, Association of American Geographers, Wiley, 2016.
34. “The importance of micro data in assessing aggregate outcomes” (with Giorgio Barba Navaretti, Matteo Bugamelli and Emanuele Forlani), in Altomonte C. and Bekes G., eds., Measuring competitiveness in Europe: resource allocation, granularity and trade, Brugel Blueprint Series, Volume XIV, Brussels (Belgium), 2016.
35. “Micro-founded measurement of regional competitiveness in Europe” (with Gabor Bekes), in Altomonte C. and Bekes G., eds., Measuring competitiveness in Europe: resource allocation, granularity and trade, Brugel Blueprint Series, Volume XIV, Brussels (Belgium), 2016.

### **Working Papers**

1. “Trade integration and industrial concentration: History versus expectations”, GIIS, Discussion Papers in International Economics, Geneva (Switzerland), 1994.
2. “A geographic approach to international economics: ‘Strategic trade policy’?”, Dip. Scienze Economiche, Collana di Teoria Economica No. 216/8, Università di Bologna, Bologna (Italy), 1995.
3. “Modelling transport costs in international trade: A comparison among alternative approaches” (with Laura Bottazzi), IGIER, Working Paper No. 105, Milan (Italy), 1996.
4. “Spatial mismatch and skill accumulation” (with Philippe Monfort), CEPR,

Discussion Paper No. 3324, London (UK) 2002. *Revise and resubmit: Journal of Urban Economics*.

5. “Economic growth, innovation, cultural diversity: What are we all talking about? A critical survey of the state-of-the-art” (edited with Carole Maignan and Dino Pinelli) , FEEM, Nota di lavoro 12.2003, Milan (Italy), 2003.
6. “Bio-ecological diversity vs. Socio-economic diversity: A comparison of existing measures” (with Carole Maignan, Dino Pinelli and Francesco Rullani), FEEM, Nota di lavoro 13.2003, Milan (Italy), 2003.
7. “ICT, clusters and regional cohesion: A summary of theoretical and empirical research” (with Carole Maignan and Dino Pinelli), FEEM, Nota di lavoro 58.2003, Milan (Italy), 2003.
8. “The ICT revolution: Opportunities and risks for the Mezzogiorno” (with Elena Bellini, Carole Maignan and Dino Pinelli), FEEM, Nota di lavoro 86.2003, Milan (Italy), 2003.
9. “Diversity and the creative capacity of regions” (with Elena Bellini and Arianna Miglietta), FEEM, SUS.DIV Paper 2.2007, Milan (Italy), 2007.
10. “Monopolistic competition and optimum product selection: Why and how heterogeneity matters” (with Antonella Nocco and Matteo Salto) , CEP, Discussion Paper No.1206, London (UK) 2013.
11. “The buyer margins of exports” (with Jeronimo Carballo and Christian Volpe Martincus), CEPR, Discussion Paper No.9584, London (UK) 2013.
12. “European integration and the gains from trade”, CEP, Discussion Paper No.1301, London (UK) 2014.
13. “City of dreams” (with Jorge De la Roca and Diego Puga), CEP, Discussion Paper No.1305, London (UK) 2014.
14. “Relaxing credit constraints in emerging economies: The impact of public loans on the performance of Brazilian manufacturers” (with Filipe Lage de Sousa), CEP, Discussion Paper No.1309, London (UK) 2014.
15. “To know or not to know: Strategic inattention and endogenous market structure” (with Roberto Cellini and Luca Lambertini), DSE, Working Paper No.987, Bologna (Italy) 2015.
16. “Immigration, Trade and Productivity in Services: Evidence from U.K. Firms” (with Giovanni Peri and Greg Wright), NBER, Working Paper No.21200, Cambridge MA (USA) 2015.

## **EDITORIAL BOARDS**

Economic Policy, CEPR-CES-PSE-ENS, London, UK. Panel Member: 2008-2010.

Economica, Wiley-Blackwell, Hoboken, USA. Co-Editor: 2015-.

International Economics/Economie Internationale, Elsevier, Amsterdam, Netherlands: 2008-.

Italian Economic Journal, Springer, Berlin, Germany: 2015-

Italian Journal of Regional Science, Franco Angeli, Milan, Italy: 2004-2008.

Journal of the European Economic Association, Wiley Blackwell, Hoboken, USA: 2011-2014.

Journal of Economic Geography, Oxford University Press, Oxford, UK: 2004-2015.

Journal of Regional Science, Wiley-Blackwell, Hoboken, USA. Co-Editor: 2010-2015.

Journal of Urban Economics, Elsevier, Amsterdam, Netherlands: 2007-2011.

Politica Economica -Journal of Economic Policy, Il Mulino, Bologna, Italy: 2016-.

Revue Région et Développement, L'Harmattan, Paris, France: 2009-.

Regional Science and Urban Economics, Elsevier, Amsterdam, Netherlands: 2005-.

Rivista Italiana degli Economisti, Il Mulino, Bologna, Italy: 2008-2014. Continued as: Italian Economic Journal

Spatial Economic Analysis, Routledge, Abingdon, UK: 2007-.

## **SCIENTIFIC ADVISORY BOARDS**

Central Bank Research Association (CEBRA), International Trade and Macroeconomics Programm (ITM), Zurich, Switzerland.

Centre d'études prospectives et d'informations internationales (CEPII), Paris, France.

Centro di Alti Studi sulla Cina Contemporanea (CASCC), Torino, Italy.

Centro Studi Luca d'Agliano (LdA), Turin, Italy.

Luiss Lab of European Economics, Roma, Italy.

## **INVITED VISITING PERIODS, LECTURES AND SEMINARS**

### **Visiting periods**

- Italy: Einaudi Institute for Economic and Finance, Rome; European University Institute, Florence.

- Europe: Central European University, Budapest, Hungary; Kiel Institute the World

Economy, Germany; London School of Economics, UK; New Economic School, Moscow, Russia; Sciences Po, Paris, France; U Antwerp, Belgium; U Paris 1, France; U Paris 13, France.

- Overseas: Columbia U, USA; Harvard U, USA; Northwestern U, USA; Princeton U, USA.

### **Lectures**

- Italy: Bocconi U Milano; U Ancona; U Bologna; U Catania; U Firenze; U Lecce; U Roma II, U Torino.

- Europe: CEMFI, Madrid, Spain; Central European University, Budapest, Hungary; Kiel Institute for the World Economy, Germany; London School of Economics, UK; New Economic School, Moscow, Russia; Sciences Po, Paris, France; U Antwerp, Belgium; U Paris 1, France; U Paris 13, France.

- Overseas: Northwestern U, USA.

### **Seminars and Workshops**

- Italy: Banca d'Italia, Rome; Bocconi U, Milan; CESIFO, Venice; CNR, Rome; CRENOS, Cagliari; CSEF, Naples, Italy; Ente Einaudi, Rome; EUI, Fiesole; Fondazione Einaudi, Turin; FEEM, Milan; IGIER, Milan; LIUC, Castellana; LUISS, Rome, Italy; Politecnico, Milan; Scuola Superiore Sant'Anna, Pisa; U Ancona; U Bari; U Bologna; U Cagliari; U Catania; U Cattolica, Milan; U Genova; U Milan; U Milan Bicocca; U Modena; U Padova; U Perugia; U Reggio Calabria; U Roma I; U Roma II; U Trento; U Venezia.

- Europe: Bank of England, London, UK; Bank of Ireland, Dublin, Ireland; Bank of Spain, Madrid, UK; CEU, Budapest, Hungary; CERAS, Paris, France; Cergy-Pontoise, Cergy, France; Erasmus U, Rotterdam, Netherlands; ECB, Frankfurt; FUNDP, Namur, Belgium; GII, Geneva, Switzerland; Goethe University of Frankfurt, Germany; GREQAM, Aix-en-Provence, France; HWWA, Hamburg, Germany; IESE, Barcelona, Spain; IFW, Kiel, Germany; IUI, Stockholm, Sweden; IZA, Bonn, Germany; JVI, Vienna, Austria; LSE, London, UK; MSE, Paris, France; NHH, Bergen, Norway; PSE, Paris, France; SciencesPo, Paris, France; SNS, Stockholm, Sweden; Tinbergen Institute, Amsterdam, Netherlands; U Aarhus, Denmark; U Autònoma Barcelona, Spain; U Barcelona, Spain; U Cambridge, UK; U Carlos III, Madrid, Spain; U Catholique de Louvain, Louvain-la-Neuve, Belgium; U Cergy-Pontoise, France; U Copenhagen, Denmark; UEAB, Athens, Greece; U Erasmus, Rotterdam, Netherlands; U Graz, Austria; U Helsinki, Finland; U Innsbruck; U Jaime I, Castellon, Spain; U Lausanne, Switzerland; U Libre de Brussels, Belgium; U Luxembourg, Luxembourg; U Mannheim, Germany; U Marseilles, France; U Munich, Germany; U Nice, France; U Nottingham, UK; U Oslo, Norway; U Oxford, UK; UPF, Barcelona, Spain; U Regensburg, Germany; U St Etienne, France; U St Gallen, Switzerland; U Stockholm, Sweden; U Sussex, UK; U Valencia, Spain; U Tuebingen, Germany; U Utrecht, Netherlands; U Vigo, Spain; U Zurich, Switzerland; VU Amsterdam, Netherlands; WIIW Vienna, Austria; World Trade Institute, Bern, Switzerland; ZEW, Mannheim, Germany.

- Overseas: Boston College, USA; Columbia U, New York, USA; Harvard U, Cambridge, USA; Hitotsubashi U, Tokyo, Japan; IaDB, Washington, USA; NBER, Cambridge, USA; Princeton U, USA; RIETI, Tokyo, Japan; Stanford U, USA; U Buenos Aires, Argentina; U Bologna Centre at Buenos Aires, Argentina; U British Columbia, Vancouver, Canada; U

Colorado, Boulder, USA; U de la Republica, Montevideo, Uruguay; U Florida, Gainesville, USA; U Kyoto, Japan; U Nacional de Cordoba, Argentina; U Tokyo, Japan; U Torcuato di Tella, Buenos Aires, Argentina; U Toronto, Canada; U Virginia, Charlottesville, USA; World Bank, Washington, USA; Yale, New Haven, USA.

## **SCHOLARSHIPS AND GRANTS**

Belgian National Science Foundation, Brussels, Belgium; Consiglio Nazionale delle Ricerche, Rome, Italy; Economic and Social Research Council, Swindon, UK; European Commission, Brussels, Belgium; European Science Foundation, Strasbourg, France; Mediocredito Centrale, Rome, Italy; Ministero dell'Istruzione, dell'Università e della Ricerca, Rome, Italy; Ministero della Ricerca Scientifica e Tecnologica, Rome, Italy; Swiss National Science Foundation, Bern, Switzerland; Università di Bologna, Italy; Università Commerciale "L.Bocconi", Milan, Italy; Volkswagen Foundation, Munich, Germany.

## **RESEARCH INTERESTS**

### **Topics**

Capital movements and multinationals, Development and growth, Economic integration (Asia, Europe, Latin America), International trade, Migration, Regional cohesion.

### **Sample projects**

"Product mix and firm productivity responses to trade competition" (with Thierry Mayer, Sciences Po, France, and Marc Melitz, Harvard U, USA).

"Monopolistic competition, firm heterogeneity and optimum product selection in a multi-country world" (with Antonella Nocco, U Salento, Italy, and Matteo Salto, European Commission, Belgium).

"Business groups as knowledge hierarchies" (with Carlo Altomonte, U Bocconi, Italy, Luis Garicano, LSE, UK, and Armando Rungi, IMT, Italy).

"Global bank risks taking and competition" (with Ester Faia, Goethe University of Frankfurt, Germany).

"Managers' mobility and learning within firms" (with Giordano Mion, U Sussex, UK, and David Luca Opromolla, Bank of Portugal, Portugal).

"Banks, credit, and productivity growth" (with Filippo di Mauro, ECB, Frankfurt, and Fadi Hassan, Trinity College Dublin, Ireland).

"Capital misallocation and skill mismatches in Italy: the productivity conundrum" (with Sara Calligaris, U Tor Vergata, Roma, Massimo Del Gatto, U G. D'Annunzio, Pescara, Fadi Hassan, Trinity College Dublin, Ireland, and Fabiano Schivardi, U Bocconi, Milan).

"Foreign banks and competition in India" (with Swati Dhingra, LSE, UK, and Pavel Chakraborty, Norwegian Institute of International Affairs, Oslo).

“Brexit: The effects of the UK leaving the EU” (with Swati Dhingra, LSE, UK, Thomas Sampson, LSE, UK, and John Van Reenen, LSE, UK).

“It takes (more than) a moment: Revisiting the link between firm productivity and aggregate exports” (with Giorgio Barba Navaretti, U Milan, Italy, Matteo Bugamelli, Bank of Italy, and Emanuele Forlani, U Pavia, Italy).