

Curriculum Vitae

Vincenzo Denicolò

Personal: Born 2 August 1959. Married, two daughters.

Addresses: (Home) Via Agnesi 5
40138 Bologna (Bo)
Italy
Tel.: + 39 051 7165000

(Office) Piazza Scaravilli 2
40125 Bologna (Bo)
Italy
Tel.: +39 051 2098484

(email) vincenzo.denicolo@unibo.it

Education:

Laurea in Economia e Commercio, Università di Bologna

Dissertation Title: *Dynamic equilibria with exhaustible resources* (supervisor prof. Guido Candela)

Current positions:

Professor of Economics, University of Bologna, Italy

Previous positions:

Ricercatore (Assistant Professor), University of Bologna, 1983-1988; Associate Professor, University of Bologna, 1988-1990; Professor of Economics, University of Parma, 1990-1993; Visiting Fellow, University of Cambridge, U.K., 1996-97; Visiting Professor, European University Institute, 1998 and 2003; Visiting Professor, University of Paris II, 2006, 2007, 2009, 2010 and 2015; Visiting Scholar, University of Berkeley, 2010; Professor of Economics, University of Leicester, UK 2010-2016

Editorship:

Co-Editor, *International Journal of Industrial Organization*, 2000-2003

Economic Policy panel, 2015-2016

Co-Editor, *Journal of Economics Management and Strategy*, 2015-

Administrative duties:

Over the years he has had several administrative duties at the University of Bologna. He was Director of the Undergraduate Program in Economics from 1998 to 1999, Director of the Ph. D. Program in Economics from 1999 to 2002, Head of the Graduate School of Economics and Statistics from 2005 to 2007, and Director of the Bologna Centre for Law and Economics from 2008 to 2010, Research Director at the Department of Economics of the University of Leicester from 2012 to 2015. Currently he is again Director of the PhD program at the University of Bologna.

Affiliations: CEPR (Research Fellow)

Policy roles: member of the Economic Advisory Group on Competition Policy at the European Commission (2014-2016), member of the Research Panel of the UK Competition and Market Authority (2016-).

Keynote speaker:

He has been invited as a keynote speaker at various conferences, including the Encore Conference on Creativity and Competition (The Hague, April 12, 2007) the Tilburg Law and Economics Center Conference on Patent Reforms (Amsterdam, March 26-27, 2009), the Rim Pacific Innovation Conference (Melbourne, January 21-22, 2010), the Druid Conference on Innovation and Competitiveness (Copenhagen, June 19-21, 2012), and the 33rd EALE Annual Conference (Bologna, 15-17 September 2016)

Referee:

He regularly serves as referee for a number of scientific journals, including *Econometrica*, *American Economic Review*, *Journal of Economic Theory*, *RAND Journal of Economics*, *Journal of Political Economy*, *Review of Economic Studies*

Selected articles in refereed journals

1. Speculative Profits, Innovation and Growth, 2017, *Economic Inquiry*, 55, 160-174 (with Piercarlo Zanchettin)
2. Exclusive Contracts and Market Dominance, 2015, *American Economic Review*, 105, 3321-3351 (with Giacomo Calzolari)
3. Timing of Discovery and the Division of Profit with Complementary Innovations, 2014, *Journal of Economics and Management Strategy*, 23, 89-102 (with Annalisa Biagi).
4. What Causes Over-investment in R&D in Endogenous Growth Models?, 2014, *Economic Journal*, 124, 1192-1221 (with Piercarlo Zanchettin).
5. Competition with Exclusive Contracts and Market-share Discounts, 2013, *American Economic Review*, 103, 2384-2411 (with Giacomo Calzolari).
6. A Dynamic Model of Patent Portfolio Races, 2012, *Economics Letters*, 117, 924-927 (with Piercarlo Zanchettin).
7. Competition in Non-linear Pricing, Market Concentration and Mergers, 2012, *Economics Letters*, 117, 414-417 (with Gabriella Chiesa).

8. Leadership Cycles in a Quality-ladder Model of Endogenous Growth, 2012, *Economic Journal*, 122, 618-650 (with Piercarlo Zanchettin).
9. Weak Intellectual Property Rights, Research Spillovers and the Incentive to Innovate, 2012, *American Review of Law and Economics*, 14, 111-140 (with Luigi Franzoni).
10. Optimal Patentability Requirements with Complementary Innovation, 2012, *European Economic Review*, 56, 190-204 (with Christine Halmenschlager).
11. Can Quantity Discounts Be Anti-competitive?, 2011, *International Journal of Industrial Organization* 29, 337-341 (with Giacomo Calzolari).
12. On the Winner-take-all Principle in Innovation Races, 2010, *Journal of the European Economic Association*, 8, 1133-1158 (with Luigi Franzoni).
13. Competition, Market Selection and Growth, 2010, *Economic Journal*, 120, 761-785 (with Piercarlo Zanchettin).
14. Trading with a Common Agent: A Characterization of the Nash Equilibria, 2009, *Journal of Economic Theory*, 144, 296-311 (with Gabriella Chiesa).
15. A Signalling Model of Environmental Overcompliance, 2008, *Journal of Economic Behavior and Organization*, 68, 293-303.
16. Revisiting Injunctive Relief: Interpreting e-Bay in High-tech Industries with Non-practicing Patent-holders, 2008, *Journal of Competition Law and Economics*, 4, 571-608 (with Damien Geradin, Anne Layne-Farrar and Jorge Padilla).
17. Economic Theories of the Non-obviousness Requirement for Patentability: A Survey, 2008, *Lewis and Clark Law Review*, 12, 443-459.
18. Entry, Product Line Expansion, and Predation, 2007, *Journal of Competition Law and Economics*, 3, 609-624 (with Michele Polo and Piercarlo Zanchettin).
19. Do Patents Over-compensate Innovators?, 2007, *Economic Policy*, 22, 679-729.
20. Patents, Secrets, and the First Inventor Defense, 2004, *Journal of Economics and Management Strategy*, 13, 517-538 (with Luigi Franzoni).
21. The Contract Theory of Patents, *International Review of Law and Economics*, 2003, 23, 365-380 (with Luigi Franzoni).
22. How Should Forward Patent Protection Be Provided?, 2002, *International Journal of Industrial Organization*, 20, 801-827 (with Piercarlo Zanchettin).
23. Sequential Innovation and the Patent-Antitrust Conflict, 2002, *Oxford Economic Papers*, 54, 649-668.
24. Growth with Non Drastic Innovations and the Persistence of Leadership, 2001, *European Economic Review*, 45, 1399-1413.
25. Two-stage Patent Races and Patent Policy, 2000, *RAND Journal of Economics*, 31, 488-501.
26. Compatibility and Bundling with Generalist and Specialist Firms, 2000, *Journal of Industrial Economics*, 48, 177-188.
27. Specific and Ad Valorem Taxation in Asymmetric Cournot Oligopolies, 2000, *International Tax and Public Finance*, 7, 335-342 (with Massimo Matteuzzi).
28. Nash Bargaining Theory, Nonconvex Problems and Social Welfare Orderings, 2000, *Theory and Decision*, 48, 351-58 (with Marco Mariotti).
29. Independence of Irrelevant Alternatives and Consistency of Choice, 2000, *Economic Theory*, 15, 221-226.
30. Rationing in a Durable Goods Monopoly, 1999, *RAND Journal of Economics*, 30, 44-55 (with Paolo Garella).
31. Pollution Reducing Innovations under Taxes and Permits, 1999, *Oxford Economic Papers*, 51, 184-199.

32. A Characterization of Utilitarianism without the Transitivity Axiom, 1999, *Social Choice and Welfare*, 16, 273-278.
33. The Optimal Life of a Patent when the Timing of Innovations Is Stochastic, *International Journal of Industrial Organization*, 1999, 17, 827-846.
34. No-Envy and Arrow's Conditions, *Social Choice and Welfare*, 1999, 16, 585-597.
35. Monopoly, Competition, and the Speed of R&D, 1999, *International Review of Economics and Business*, 46, 35-43 (with Flavio Delbono).
36. Independent Decisiveness and the Arrow Theorem, *Social Choice and Welfare*, 1998, 15, 563-566.
37. An Elementary Proof of Arrow's Impossibility Theorem, 1996, *Japanese Economic Review*, 47, 432-435. Correction, *Japanese Economic Review*, 2001, 52, 134-135.
38. Patent Races and Optimal Patent Length and Breadth, 1996, *Journal of Industrial Economics*, 44, 249-265.
39. Fixed Agenda Social Choice Theory, 1993, *Journal of Economic Theory*, 59, 324-332.
40. Regulating Innovative Activity: The Role of a Public Firm, 1993, *International Journal of Industrial Organization*, 11, 35-48 (with Flavio Delbono).
41. Races of R&D between Firms with Different Incentives to Innovate, 1991, *Recherches Economiques de Louvain*, 57, 103-123 (with Flavio Delbono).
42. Incentives to Innovate in a Cournot Oligopoly, 1991, *Quarterly Journal of Economics*, 105, 951-961 (with Flavio Delbono).
43. International Monetary Cooperation under Tariff Threats, 1990, *Journal of International Economics*, 28, 1-23 (with Giorgio Basevi and Flavio Delbono).
44. R&D Investment in a Symmetric and Homogeneous Duopoly: Bertrand vs. Cournot, 1990, *International Journal of Industrial Organization*, 8, 297-313 (with Flavio Delbono).
45. Public Debt and the Pasinetti Paradox, 1990, *Cambridge Journal of Economics*, 14, 339-344 (with Massimo Matteuzzi).
46. Asymmetric Equilibria in a Dynamic Model of R&D, 1989, *Economic Notes*, 19, 192-209 (with Flavio Delbono).
47. Some Analytics of the Laffer Curve: A Comment, 1988, *Journal of Public Economics*, 35, 129-30.
48. Intransitive Social Strict Preference and the Arrow Theorem, 1987, *Economics Letters*, 25, 311-314.
49. Some Further Results on Non-binary Social Choice, 1987, *Social Choice and Welfare*, 4, 277-285.
50. Independent Social Choice Correspondences Are Dictatorial, 1985, *Economics Letters*, 19, 9-12.

Work in progress

- 1 Exclusive lobbying (with Giacomo Calzolari)
- 2 The economics of the Hatch-Waxman Act (with Annalisa Biagi)
- 3 Hybrid monopolistic screening (with Giacomo Calzolari and Alessandro Pavan)
- 4 Linear exclusive contracts (with Giacomo Calzolari and Piercarlo Zanchettin)
- 5 Optimal patent protection with complementary and sequential innovation (with Piercarlo Zanchettin)