PERSONAL DATA

Name	Paolo Bertoletti.
Date and place of birth	June 16, 1963, Pavia, Italy.
Nationality	Italian.
Current Position	**Professor of Economics** DEPARTMENT OF ECONOMICS, MANAGEMENT AND STATISTICS Via dell'Ateneo Nuovo, 1 I-20126, Milan, ITALY. Telephone (office): +39 02 64483105 orcid.org/0000-0002-3170-0590 Scopus Author ID: 10641627600 *E-mail*: paolo.bertoletti@unimib.it *Webpage*: <https://sites.google.com/unipv.it/paolobertoletti>

ACADEMIC CURRICULUM

- *Professor of Economics* at the DEPARTMENT OF ECONOMICS, MANAGEMENT AND STATISTICS, University of Milan-Bicocca (since October 2019): see works A.32-A.38 and B.9-B.10.

- *Professor of Economics* at the Dipartimento di scienze economiche e aziendali, University of Pavia (2002-2019: see works A.16, A.18-A.31 and B.5-B.8). Vice-Director of the DIPARTIMENTO DI ECONOMIA POLITICA E METODI QUANTITATIVI (2002-2005) and *Dean* of the DOCTORATE IN ECONOMIC SCIENCES, University of Pavia (2006-2014).

- *Associate Professor of Economics* at the Dipartimento di scienze economiche e finanziarie 'G. Prato' (1998-2001; see works A.12-A.13, A.17 and B.4), and Steering Committee Member of the Ph.D. Program in "European Economic Studies", UNIVERSITY OF TURIN (1999-2001). Then *Associate Professor of Economics* at the Dipartimento di economia politica e metodi quantitativi (2001-2002; see works A.14-A.15), and Member of the Ph.D. Program in Economic Sciences 'Collegio dei docenti' (Steering Committee), UNIVERSITY OF PAVIA.

- *Visiting Professor*, Institut Européen d'Etudes Commerciales Supérieures (IECS), UNIVERSITE ROBERT SCHUMAN (Strabourg III), Strasbourg (June 1996; see work A.11).

- *Ricercatore* (Assistant Professor) at the DIPARTIMENTO DI ECONOMIA POLITICA E METODI QUANTITATIVI (see works A.7-A.10, B.1-B.3 and C.5), University of Pavia (1992-1998).

- Student of the *Dottorato di ricerca in economia politica* (Italian Doctorate in Political Economy) at the UNIVERSITY OF PAVIA (1990-1993; see works A.5-A.6 and C.3). Final dissertation (see work C.4): "Imperfezione dei mercati industriali ed efficienza produttiva (Markets' Imperfections and Productive Efficiency)" (September 1993).

- *M.Phil. in Economics* at the UNIVERSITY OF OXFORD, Linacre College; "Luciano Jona" Scholarship (granted by Istituto Bancario San Paolo di Torino) for Abroad Graduate Studies in Economics (1988-1990).

- Graduate student at Collegio Ghislieri di Pavia for studies in Economics (see works A.1-A.4 and C.2) at the *Dipartimento di economia politica e metodi quantitativi*, UNIVERSITY OF PAVIA (1987-1988).

- *Italian Laurea in Economia e commercio*, UNIVERSITY OF PAVIA, with 110/110 cum laude (First Class Honours). Degree dissertation (see work C.1): "Metodi per l'analisi empirica e la proiezione dei coefficienti input-output (Methods for Input-Output Coefficients Forecasting and Empirical Analysis)"; supervisor: G. Lunghini (March 1987).

- Visiting student at *St. John's College*, CAMBRIDGE UNIVERSITY, with a scholarship offered by Collegio Ghislieri (July-September 1986).

- Student at the *Faculty of Economics*, UNIVERSITY OF PAVIA; Alumnus of Collegio Ghislieri di Pavia (1982-1986).

TEACHING

- Since 2020 I have taught *Industrial Organization*, *International Trade* and *Microeconomics* at the University of Milan-Bicocca.

- Lecturer on *Microeconomics* at the Faculty of Economics, TURIN UNIVERSITY (1998-2001), and then at PAVIA UNIVERSITY (2001-2019), where I have also taught *Industrial Organization*.

- From 2011 to 2016 I have taught *Advanced Microeconomics* at the LOMBARDY ADVANCED SCHOOL OF ECONOMIC REASEARCH (LASER). I also taught *Advanced Microeconomics* in the Graduate Courses in Economics at the Faculty of Economics, UNIVERSITY OF PAVIA (2004-2011), at the Master of Economics, CORIPE Piedmont, TURIN UNIVERSITY (2001-2010), and at the Ph.D. program in Economics, Markets and Institutions offered by IMT ALTI STUDI, Lucca (2005-2006). During the summer 2003 I taught *Principles of Economics* at the Escuela Latinoamericana de Cooperación y Desarrollo, UNIVERSIDAD DE SAN BUENAVENTURA, Cartagena de Indias, Colombia; I also taught the same course during fall 2005 and 2006 in the Master in International Cooperation and Development at the BETHLEHEM UNIVERSITY. I taught *International Trade* at BOCCONI UNIVERSITY (2012-2014) and *Economics 1* at the FREE UNIVERSITY OF BOZEN (2014).

- Contract Professor of *Industrial Economics* at the Faculty of Economics, PAVIA UNIVERSITY (1998-1999).

- Contract Professor of *Organization Theory* (the Milgrom & Roberts' book) (1995-1997) and Microeconomics (1997-1999) at the Faculty of Economics, CARLO CATTANEO UNIVERSITY OF CASTELLANZA (LIUC), Italy.

- Lecturer on *Industrial Organisation* (see work C.6) and *Microeconomics* (see work C.7) in the undergraduate courses (Corso di laurea in Economia e commercio) offered by the Faculty of Economics, PAVIA UNIVERSITY, and on *Contract Theory* in the Graduate Course in Economics (1993-1998).

- Tutor for the *Microeconomic Class* in the Master in etica e scelta razionale (Master in Ethics and Rational Choice) organized by the CENTRO STUDI POLITEIA (Center for Political Studies), Milan (1992).

- Lecturer on *Consumption Theory* and *Game Theory* in the First Year Graduate Course in Microeconomics at the Faculty of Economics, PAVIA UNIVERSITY (1991-1992).

- Tutor for the *Economics and Business* course offered by the Faculty of Engineering, POLITECNICO DI MILANO (Lecco, Italy, 1990-1993).

RESEARCH

I did some work in Input-Output Analysis and the Empirical Estimates of Factor Demand Systems (long ago): see works A.1-A.4, A.6 and C.1-C.2.

More recently, I have been working on Regulation Issues in Imperfectly Competitive Markets: see works A.5, A.7-A.10, A.12, A.14, A.17, A.34, B.1-B.4, B.7-B.8 and C.4, in Price Discrimination: see works A.15, A.20 and B.5, and Auction Theory: see works A.19 and A.25.

Currently, I am interested in the Theory of Demand Systems: see works A.13, A.16, A.18, A.21-A.22, A.26-A.27, A.31, A.34-A.35, B.6 and B.10; in Models of Monopolistic Competition and Trade: see works A.23-A.24, A.28-A.30, A.32-A.33, A.36 and A.38; and in the Economics of Platforms: see A.37 and B.9.

My works got financial support by several Universities, by the Italian Department of University and Research (PRIN 2002, 2004, 2006, 2008 and 2022) and by the Italian National Research Council (CNR).

I presented my papers in Conferences, Workshops and Seminars at the Universities of Aix-Marseille, Bayreuth, Bergamo, Bocconi of Milan, Bologna, Brescia, Ca' Foscari of Venice, Catholic University of Milan, East-Piedmont, Florence, Free University of Berlin, Geneva, Genoa, Higher School of Economics – St. Petersburg, Insubria, Italian Swiss, Mannheim, Milan, Milan-Bicocca, Naples, Oxford, Padova, Pavia, Pisa, Politecnico di Milano, Politecnico di Torino, Charles University of Prague, Roma Tor Vergata, Salerno, Siena, Trento, Turin.

WORKS

PUBLICATIONS

A.38) "Insufficient Entry in Monopolistic Competition", *Rand Journal* of *Economics*, forthcoming (with F. Etro).

A.37) "On the Welfare Effects of Compatibility with Hotelling Competition: The Role of Market Coverage", *Review of Industrial Organization,* forthcoming.

A.36) "Decomposing the Welfare Gains from Trade", *Economics Letters,* 247, 2025, 112189 (with F. Etro).

A.35) "Ramsey pricing: a simple example of a subordinate commodity", *Portuguese Economic Journal,* 23, 2, 2024, pp. 241-7.

A.34) "The dual of Bertrand with homogenous products is Cournot with perfect complements", *Economic Theory Bulletin*, 10, 2022, pp. 183-189.

A.33) “Monopolistic Competition, As You Like It”, *Economic Inquiry*, 60, 1, 2022, pp. 293-319 (with F. Etro).

A.32) “Monopolistic Competition with GAS Preferences”, *Oxford Economic Papers*, 73, 2, 2021, pp. 927-952 (with F. Etro).

A.31) “A Note on Ramsey Pricing and the Structure of Preferences”, *Journal of Mathematical Economics*, 76, 2018, pp. 45-51.

A.30) “International Trade with Indirect Additivity”, *American Economic Journal: Microeconomics*, 10, 2, 2018, pp. 1-59 (with F. Etro and I. Simonovska).

A.29) “Price-Cost Margins and Firm Size under Monopolistic Competition: The Case of IES Preferences”, *Research in Economics*, 71, 2017, pp. 653-662 (with E. Fumagalli and C. Poletti).

A.28) “Monopolistic Competition when Income Matters”, *Economic Journal*, 127 (603), 2017, pp. 1217-1243 (with F. Etro).

A.27) “Preferences, Entry and Market Structure”, *Rand Journal* of *Economics*, 47, 2016, pp. 792-821 (with F. Etro).

A.26) “Monopolistic Marginal Cost Pricing”, *Economics Bulletin*, 36, 2016, pp. 1384-1387.

A.25) “Reserve prices in all-pay auctions with complete information”, *Research in Economics*, 70, 2016, pp. 446-453.

A.24) “Monopolistic Competition: CES Redux?”, *Journal of International Economics*, 93, 2, 2014, pp. 227-238 (with P. Epifani).

A.23) "Pricing to Market in the Krugman Model", *Economics Bulletin*, 34, 2014, pp. 459-468 (with F. Etro).

A.22) "Inferior Factor in Cournot Oligopoly Revisited", *Journal of Economics*, 112, 2014, pp. 85-90 (with P. von Mouche).

A.21) "On Inferior Inputs and Marginal Returns", *Journal of Economics*, 109, 2013, pp. 303-313 (with G. Rampa).

A.20) "On the Output Criterion for Price Discrimination", *Economics Bulletin*, 29, 2009, pp. 2951-2956.

A.19) "A Note on the Exclusion Principle", *Journal of Mathematical Economics*, 44, 2008, pp. 1215-1218.

A.18) "Logarithmic Quasi-Homothetic Preferences", *Economics Letters*, 90, 2006, pp. 433-439.

A.17) "Taxing a Monopolist", *Research in Economics*, 59, 2005, pp. 321-334 (with G. Ascari and M. Menegatti).

A.16) "Elasticities of Substitution and Complementarity: A Synthesis", *Journal of Productivity Analysis*, 24, 2005, pp. 181-194.

A.15) "A Note on Third-Degree Price Discrimination and Output", *Journal of Industrial Economics*, 52, 2004, p. 457.

A.14) "Why Regulate Prices? Some Notes on the Price Cap Methods", *Rivista di politica economica*, XCII, n. 3-4, marzo-aprile 2002, pp. 13-30.

A.13) "The Allen/Uzawa Elasticity of Substitution as a Measure of Gross Input Substitutability", *Rivista italiana degli economisti*, 6, 2001, pp. 87-94.

A.12) "On Endogenous Efficiency in Public and Private Firms", *Journal of Public Economic Theory*, 3, 2001, pp. 273-284.

A.11) "Economic Integration Effects on Market Structure", in S. Urban e C. Nanopoulos (Eds.) *Information and Management*, Wiesbaden, Gabler Verlag, 1998, pp. 205-224.

A.10) "Tariffa uniforme e regolamentazione dei ricavi nel settore elettrico dei consumi domestici (Uniform Tariff and Revenue Regulation in the Residential Electricity Sector)", *Politica economica*, 13, 1997, pp 345-373 (with C. Poletti).

A.9) "Welfare Effects of Two-Part Discriminatory Tariffs Constrained by Caps", *Economics Letters*, 56, 1997, pp. 293-296 (with C. Poletti).

A.8) "X-Inefficiency, Competition and Market Information", *Journal of Industrial Economics*, 45, 1997, pp 359-375 (with C. Poletti).

A.7) "A Note on Endogenous Firm Efficiency in Cournot Models of Incomplete Information", *Journal of Economic Theory*; 71, 1996, pp. 303-310 (with C. Poletti).

A.6) "L'evoluzione della tecnologia energetica nel sistema produttivo Italia (The Evolution of Energy Technology in the Italian Industrial Sector)", chapter 3 in G. Lunghini and L. Rampa (Eds.) *Struttura, interdipendenza e tecnologia nell'economia italiana*, Milan, Franco Angeli, 1992, pp. 91-150.

A.5) "Note sulla teoria dell'intervento mediante impresa pubblica (Notes on the Theory of Public Enterprise)", *Economia e politica industriale*, no. 69, 1991, pp. 153-189.

A.4) "Integrazione, interdipendenza e vincolo estero in un modello multiregionale per la CEE (Integration, Interdependency and the External Constraint in a Multiregional Model for the EEC)", chapter III.2 in M. Cimoli and I. Musu (Eds.) *Cambiamento strutturale ed asimmetria nell'economia italiana*, Milan, Franco Angeli, 1990, pp. 313-372 (with G. Rampa).

A.3) "Intensità di importazioni, fattori di crescita settoriale e cambiamento strutturale dell'economia italiana nel periodo 1975-1980 (Import Intensity, Sector Growth Factors and Structural Change in the Italian Economy, 1975-1980)", *Rivista di economia agraria*, XLIV, no. 1, March 1989, pp. 25-42 (with C. Bernini Carri).

A.2) "Risparmi e sostituzioni interenergetiche negli impieghi intermedi di energia in Italia (Savings and Interenergy Substitutions in the Italian Energy Intermediate Consumption)", *Economia delle fonti di energia*, no. 34, 1988, pp. 39-92 (with L. Rampa).

A.1) "Analisi strutturale e Tavole Interindustriali dell'economia italiana, 1960-1985 (Structural Analysis and Interindustrial Tables of the Italian Economy, 1960-1985)", *Economia e politica industriale*, no. 54, 1987, pp. 65-122 (with G. Rampa and V. Silva).

UNPUBLISHED WORKING PAPERS

B.10) "Market Equilibria Compared: The Linear Case", DEMS Working Paper Series No. 582, University of Milan-Bicocca, 2026.

B.9) "A preference-based model of platform competition", DEMS Working Paper Series No. 486, University of Milan-Bicocca, 2022; a previous version circulated as DEMS Working Paper Series No. 468, 2021.

B.8) "Debiasing through auction? Inertia in the liberalization of retail markets", IEFE (Bocconi University) working paper n. 47, 2012 (with C. Poletti); ISSN 1973-0381.

B.7) "The Regulation of Access to Gas Storage with Capacity Constraints", mimeo, Pavia, Dipartimento di economia politica e metodi quantitativi, 2008 (with A. Cavaliere e A. Tordi).

B.6) "Some notes on CE(S) production functions", mimeo, Pavia, Dipartimento di economia politica e metodi quantitativi, ottobre 2006.

B.5) "Monopolistic Price Flexibility and Social Welfare: The Linear Case", mimeo, Pavia, Dipartimento di economia politica e metodi quantitativi, gennaio 2007: a previous version is in *Quaderni di Dipartimento # 158* (10-03), Pavia, Dipartimento di economia politica e metodi quantitativi, 2003.

B.4) "Modelli teorici della Access Price Regulation (Some Theoretical Models of Access Price Regulation)", chapter 6 in 'ENEA Report on *L'industria del gas naturale in Italia: analisi, scenari e prospettive per il recepimento della direttiva comunitaria*', 1999 (with M. Beccarello).

B.3) "Il vincolo di uniformità tariffaria nella regolamentazione del settore elettrico dei consumi domestici (The Uniform Tariff Constraint in the Regulation of the Italian Residential Electricity Sector)", mimeo, Pavia, Dipartimento di economia politica e metodi quantitativi, 1998 (with C. Poletti).

B.2) "Some Remarks on Endogenous Productive Efficiency in Public and Private Firms", *Quaderni di Dipartimento # 45* (7-96), Pavia, Dipartimento di economia politica e metodi quantitativi, 1996.

B.1) "Yardstick Contracts and Internal Firm Inefficiency", *Quaderni di Dipartimento # 21* (10-95), Pavia, Dipartimento di economia politica e metodi quantitativi, 1995 (with C. Poletti); a previous version is in *Discussion Paper in Economics # 2/95*, London, Birkbeck College.

OTHER WORKS

C.7) *Esercizi svolti di Economia politica I* (Solved Exercises for the Class of Political Economy I), Pavia, Dipartimento di economia politica e metodi quantitativi, mimeo, second version, May 1996 (with M. Murat, L. Rampa and L. Rosti).

C.6) "Note introduttive alla teoria dei giochi ed alle sue applicazioni all'economia industriale (Introductory Notes on the Theory of Games and its Applications to the Economics of Industry)", *Quaderni di Dipartimento # 8* (5-95), Pavia, Dipartimento di economia politica e metodi quantitativi, 1995.

C.5) Translation into Italian of the Preface and of Chapters 1, 2 and 5-9 of P. Milgrom and J. Roberts *Economics, Organization and Management,* Englewood Cliffs, Prentice Hall, 1992 (*Economia, organizzazione e management*, Il Mulino, 1994).

C.4) *Imperfezione dei mercati industriali ed efficienza produttiva* (Markets' Imperfections and Productive Efficiency), dissertation submitted for the title of Dottore di ricerca in economia politica (Italian Doctorate in Political Economy), Pavia, University of Pavia, February 1993.

C.3) *Scelta e cambiamento delle regole nei giochi: preliminari per un approccio alternativo al problema dell'equilibrio di oligopolio* (Choice and Rules Change in Games: Preliminaries for an Alternative Approach to the Oligopoly Equilibrium Problem), Pavia, Dipartimento di economia politica e metodi quantitativi, mimeo, January 1992.

C.2) Serie annuale di Tavole delle transazioni dell'economia italiana a prezzi correnti e a prezzi costanti, base 1980: anni 1959-1985 (Transaction Tables Series for the Italian Economy at Current and Constant (1980) Prices: 1959-1985), Technical Report to the CNR of the Pavia Research Unit working on the Project "Structure and Evolution of the Italian Economy, Sub-Project Structure" Pavia, Dipartimento di economia politica e metodi quantitativi, April 1987 (with G. Rampa and V. Silva).

C.1) *Metodi per l'analisi empirica e la proiezione dei coefficienti input-output* (Methods for Input-Output Coefficients Forecasting and Empirical Analysis), degree dissertation, Pavia, University of Pavia, March 1987.

OTHER ACTIVITIES

- Referee for the "American Economic Journal: Microeconomics", "American Economic Review", "Annals of Operations Research", "Bulletin of Economic Research", "Canadian Journal of Economics", "Econometrica", "Economia politica", "Economics Bulletin", "Economics Letters", "Information Economics and Policy", "International Journal of Industrial Organization", "International Review of Economics", "International Review of Law & Economics", "Investigaciones Económicas", "Journal of Economic Theory", "Journal of Economic Interaction and Coordination", "Journal of Economics", "Journal of Economics & Management Strategy", "Journal of Industrial Economics", "Journal of Productivity Analysis", "Journal of the European Economic Association", "The Manchester School", "Oxford Economic Papers", "Panoeconomicus", "Quantitative Economics", "Rand Journal of Economics", "Research in Economics", "Review of Industrial Organization", "Review of World Economics", "Rivista di politica economica", "Rivista italiana degli economisti" and "Southern Economic Journal". - Reviewer for Mathematical Reviews.

- Co-Editor of "Research in Economics" (2016-18).

- Local organizer of the "V Incontro su Antitrust e Regolazione (Fifth Italian Workshop on Regulation and Antitrust Economics)", Torino, Villa Gualino (ICER), February 18, 2000.