

# Gianni De Fraja

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Age: 57 (born on 9 April 1960, in Bologna, Italy). UK citizen. Italian citizen.  
Married, three grown-up children.

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Scopus ID	7003989689

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## 1. Employment Record

### Current Positions

- 2012- Professor of Economics, University of Nottingham.
- 2007- Professor of Public Economics (part time), Università di Roma "Tor Vergata", Italy.
- 1993- Research Fellow, CEPR.

### Previous Positions

- 2004-2012 William Tyler Professor of Economics, University of Leicester.
- 1999-2004 Professor of Economics, University of York.
- 1995-1998 Reader in Economics, University of York.
- 1991-1995 Lecturer in Economics, University of York.
- 1989-1991 Temporary Lecturer in Economics, University of Bristol.
- 1988-1989 Temporary Lecturer in Economics, University of Leicester.

## 2. Research: Publications

### Articles

#### Forthcoming

Selections from Ordered Sets, *Social Choice and Welfare*, forthcoming; with Daniele Checchi and Stefano Verzillo.

Conspicuous Consumption, in Todd K Shackelford and Viviana Weekes-Shackelford (eds.) *Encyclopedia of Evolutionary Psychological Science*, Springer International Publishing Switzerland, forthcoming, 2018.

#### 2016

A Theoretical Analysis of Public Funding for Research, *RAND Journal of Economics*, 47, 2016, 498-528.

#### 2014

The Demand for Tobacco in Post-Unification Italy, *Cliometrica*, 8, 2014, pp. 145-171; with Carlo Ciccarelli.

The Desegregating Effect of School Tracking, *Journal of Urban Economics*, 80, 2014, pp. 164-177; with Francisco Martínez-Mora.

#### 2012

Exclusive Nightclubs and Lonely Hearts Columns: Non-monotone Participation in Optional Intermediation, *Journal of Economic Behavior & Organization*, 84, 2012, pp. 618-632; with József Sákovics.

The Design of the University System, *Journal of Public Economics*, 96, 2012, pp. 317-330; with Paola Valbonesi.

#### 2011

Toc 'n' Roll: Bargaining, Service Quality and Specificity in the UK Railway Network, *Journal of Transport Economics and Policy*, 45, 2011, pp. 383-414; with Emanuela Michetti and Piercarlo Zanchettin.

The Source of Differences in Population Distributions, *Mathematical Social Sciences* 62, 2011, pp. 130-132.

#### 2010

Must Try Harder. Evaluating the Role of Effort on Examination Results, *Review of Economics and Statistics*, 92, 2010, pp. 577-597; with Tania Oliveira and Luisa Zanchi.

## 2009

The Origin of Utility: Sexual Selection and Conspicuous Consumption, *Journal of Economic Behavior & Organization*, 72, 2009, pp. 51-69.

Mixed Oligopoly: Old and New, in Swedish Competition Authority (ed.) *The Pros and Cons of Competition in/by the Public Sector*, Swedish Competition Authority, Stockholm, 2009, pp. 11-43.

Privatisation in Poland: What Was the Government Trying to Achieve?, *The Economics of Transition*, 17, 2009, pp. 531-557; with Barbara Roberts.

## 2008

Market and Public Provision in the Presence of Human Capital Externalities, *Journal of Public Economics*, 92, 2008, pp. 962-985.

The Quest for Quality: A Dynamic Regulatory Mechanism for Optimum Quality, *Journal of Economics & Management Strategy*, 17, 2008, pp. 1011-1040; with Alberto Iozzi.

## 2007

Publish or Perish: il meccanismo di valutazione della ricerca del Regno Unito (Publish or Perish: The Mechanism for Evaluation of Research in the UK), *Rivista Italiana degli Economisti*, 12, 2007, pp. 231-252; reprinted in Vincenza Capursi and Giulio Ghellini (eds.) *Dottor Divago. Discernere, valutare e governare la nuova università* (Doctor Divago. Understand, Evaluate and Manage the New University), Franco Angeli, Milano, 2008.

## 2006

Could Do Better: The Effectiveness of Incentives and Competition in Schools, *Journal of Public Economics*, 90, 2006, pp. 189-213; with Pedro Landeras.

## 2005

Reverse Discrimination and Efficiency in Education, *International Economic Review*, 46, 2005, pp. 1009-1031.

## 2004

Product Differentiation and the Location of International Production, *Journal of Economics & Management Strategy*, 13, 2004, pp. 151-170; with George Norman.

Hierarchies in Organisations and Labour Market Competition, *Labour Economics*, 11, 2004, pp. 669-686.

Education and Redistribution, *Rivista di Politica Economica*, 94/5-6, 2004, pp. 3-44.

Strategic Debt in Vertical Relations: Theory and Evidence, *Research in Economics*, 58, 2004, pp. 103-123; with Claudio Piga.

Risk and Capital Structure in the Regulated Firm, *Journal of Regulatory Economics*, 26, 2004, pp. 69-84; with Clive Stones.

Constitutional Design and Investment in Cooperatives and Investor Owned Companies, *Annals of Public and Cooperative Economics*, 75, 2004, pp. 265-293; with Alberto Bacchiega.

## 2003

How Long is a Piece of Cable? Equilibrium Determination of Local Telephone Areas, *Journal of Economics*, 79, 2003, pp. 61-85; with Fabio Manenti.

## 2002

The Design of Optimal Education Policies, *The Review of Economic Studies*, 69, 2002, pp 437-466.

Contracts for Health Services: Quality versus Excess Capacity, *Journal of Public Economics*, 84, 2002, pp. 199-218; with Dieter Bös.

Product Market Competition, R&D, and Welfare, *Research in Economics*, 56, 2002, pp. 381-397; with Damiano Silipo.

Competition among Institutions and the Emergence of the Elite University, *Bulletin of Economic Research*, special issue on the "Economics of Education", 54, 2002, pp. 275-293; with Elisabetta Iossa.

The Economics of Education: Editors' Introduction, *Bulletin of Economic Research*, special issue on the "Economics of Education", 54, 2002, pp. 205-208; with Richard Romano.

La regolamentazione delle tecniche di aggiudicazione degli appalti e delle concessioni: il caso italiano (The Legal Framework for Public Procurement in Italy), in Mario Baldassarri, Giampaolo Galli and Gustavo Piga (eds.), *La competitività dell'Italia* (Competitiveness in Italy), Il Sole 24 Ore, Milano, 2002, pp 228-255.

## 2001

Education Policies: Equity, Efficiency, and Voting Equilibrium, *Economic Journal*, 111, 2001, pp. C104-119.

Walras Retrouvé: Decentralised Trading Mechanisms and the Competitive Price, *Journal of Political Economy*, 109, 2001, pp. 842-863; with József Sákovics.

Short Term and Long Term Effects of Price Cap Regulation, *International Journal of Developing Planning Literature*, 2001, 16, pp. 51-59; special issue on "The Telecommunications in the 21<sup>st</sup> Century" edited by William J Baumol and Victor A Beker; with Alberto Iozzi.

Revenue Sharing Rules in International Telephony; *Journal of Regulatory Economics*, 20, 2001, pp. 5-20; with Paola Valbonesi.

Private and Public Schools: Theoretical Considerations, *Lavoro e relazioni industriali*, 2/2001, pp. 49-82; reprinted in Daniele Checchi and Claudio Lucifora (eds.), *Education, Training and Labour Market Outcomes in Europe*, Palgrave Macmillan, Basingstoke, 2004, pp. 38-68.

Competizione in mercati regolati: recenti sviluppi teorici (Competition in Regulated Markets: Recent Theoretical Developments), *Rivista di Politica Economica*, 91/2, 2001, pp. 47-77.

## 2000

Contracts for Health Care and Asymmetric Information, *Journal of Health Economics*, 19, 2000, pp. 663-677.

On Some Issues in the Theory of Competition in Regulated Markets, in George Norman and Jacques-François Thisse (eds.), *Market Structure and Competition Policy: Game-theoretic Approaches*, Cambridge University Press, Cambridge, 2000, pp. 191-214.

Equilibrium Partner Switching in a Bargaining Model with Asymmetric Information; *International Economic Review*, 41, 2000, pp. 849-869; with Abhinay Muthoo.

Productive Efficiency in Public and Private Firms, in: David Parker (ed.) *Privatisation and Corporate Performance*, Edward Elgar, Cheltenham, 2000, pp. 116-131; reprint of De Fraja (1993).

## 1999

Minimum Wage Legislation, Work Conditions, and Employment, *Economica*, 66, 1999, pp. 473-488.

After You Sir. Sequential Investment as a Solution to the Hold-up Problem, *Games and Economic Behavior*, 26, 1999, pp. 22-39.

Slot Allocation: A Model of Competition between Firms when Consumers Are Procedurally Rational, *Mathematical Social Science*, 38, 1999, pp. 71-81; with Indrajit Ray.

Regulation and Access Pricing in Privatised Utilities: Comparison of Regulatory Régimes, *Scottish Journal of Political Economy*, 46, 1999, pp. 1-16; with Catherine Waddams Price.

Regulation and Access Pricing with Asymmetric Information, *European Economic Review*, 43, 1999, pp. 109-134.

## 1998

Price Caps and Output Floors: A Comparison of Simple Regulatory Rules, *Economic Journal*, 108, 1998, pp. 1404-1421; with Elisabetta Iossa.

Alternative Strategies of a Public Firm in Oligopoly, in: Anindya Sen (ed.) *Industrial Economics*, Oxford University Press, Delhi, 1998, pp 491-503; reprint of De Fraja and Delbono (1989).

Quality Considerations in Auctions for Television Franchises, *Information Economics and Policy*, Special Issue on Media and Multimedia Economics, 10, 1998, pp. 9-22; with Mariella M. Cabizza.

## 1997

Pricing and Entry in Regulated Industries: The Role of Regulatory Design, *Journal of Public Economics*, 64, 1997, pp. 259-278.

Entry, Prices, and Investment in Regulated Industries, *Journal of Regulatory Economics*, 11, 1997, pp. 257-270.

## 1996

Defence Procurement: Theory and UK Policy, *Oxford Review of Economic Policy*, 12, no 4, 1996, pp. 70-88; with Keith Hartley.

Product Line Competition in Vertically Differentiated Markets, *International Journal of Industrial Organization*, 14, 1996, pp. 389-414.

Entrepreneurs or Managers: Who Runs the Firm?, *Journal of Industrial Economics*, 44, 1996, pp. 89-98.

An Empirical Analysis of Competition in Brand Differentiated Oligopoly, *International Journal of the Economics of Business*, 3, 1996, pp. 57-67; with Alessandra Staderini.

## 1995

In Praise of Public Firms, *New Economy*, 1995, pp. 177-180 (reviewed in *The Guardian* newspaper, Economics and Finance pages, 18/8/1995).

## 1994

A General Characterization of Multiproduct Cournot Competition, *Bulletin of Economic Research*, 46, 1994, pp. 171-183.

Chicken and Egg: What Should Come First, Privatisation or Liberalisation?, *Annales d'Économie et de Statistique*, 33, 1994, pp. 133-156.

## 1993

Union and Wages in Public and Private Firms: A Game Theoretic Analysis, *Oxford Economic Papers*, 45, 1993, pp. 457-469.

Incentive Contracts for Public Firms, *Journal of Comparative Economics*, 17, 1993, pp. 581-599.

Product Differentiation, Pricing Policy and Equilibrium, *Journal of Regional Science*, 33, 1993, pp. 343-363; with George Norman.

Staggered vs. Synchronised Wage Setting in Oligopoly, *European Economic Review*, 37, 1993, pp. 1507-1522.

Relaxing Spatial Competition through Product Line Choice (and Vice Versa), *Regional Science and Urban Economics*, 23, 1993, pp. 461-486.

Strategic Spillovers in Patent Races, *International Journal of Industrial Organisation*, 11, 1993, pp. 139-146.

Productive Efficiency in Public and Private Firms, *Journal of Public Economics*, 50, 1993, pp. 15-30.

## 1992

Product Line Competition and Market Structure, *Economic Notes*, 21, 1992, pp. 511-525.

Recenti sviluppi nell'analisi degli oligopoli misti (Recent Developments in the Analysis of Mixed Oligopolies), *Economia e politica industriale*, 19, n. 74-76, 1992, pp. 381-409; with Flavio Delbono.

## 1991

Inefficiency and Privatisation in Imperfectly Competitive Industries, *Journal of Industrial Economics*, 39, 1991, pp. 311-321.

## 1990

Imperfect Information and the Choice between Collusion and Horizontal Merger, *Metroeconomica*, 41, 1990, pp. 137-160.

On Balanced Temptation Equilibria for Repeated Games, *Economic Notes*, 19, 1990, pp. 72-81.

Il potere dei partiti italiani (The Power of Italian Political Parties), *Notizie di Politeia*, 6, n. 17, 1990, pp. 11-17.

Game Theoretic Models of Mixed Oligopoly, *Journal of Economic Surveys*, 4, 1990, pp. 1-17; with Flavio Delbono.

**1989**

Alternative Strategies of a Public Firm in Oligopoly, *Oxford Economic Papers*, 41, 1989, pp. 302-311; with Flavio Delbono.

**1988**

Quando l'oligopolista è pubblico (When the Oligopolist is Public), *Politica ed Economia*, 18, n. 7-8, 1988, pp. 59-61.

**1987**

Oligopoli misti: un'introduzione (Mixed Oligopolies: An Introduction), *Economia Pubblica*, 17, 1987, pp. 515-519; with Flavio Delbono.

Oligopoly, Public Firm and Welfare Maximization: A Game Theoretic Analysis, *Giornale degli Economisti e Annali di Economia*, 46, 1987, pp. 417-435; with Flavio Delbono.

**1986**

Il tasso reale di interesse in presenza di inflazione perfettamente prevista (The Real Rate of Interest with Perfectly Expected Inflation), in *Economia Politica*, 3, 1986, pp. 39-60.

Risparmio delle famiglie e deficit del bilancio pubblico in Italia: un riesame (Households' Savings and Public Sector Budget Deficit in Italy: A Re-examination), in Mario Pinna e Riccardo Varaldo (eds.) *Studi in ricordo di Egidio Giannessi*, Pacini, Pisa, 1986, pp. 251-270.

**Papers submitted to journals**

"Publish or Perish: An Analysis of the Academic Job Market in Italy", Nottingham School of Economics DP 14/04, CEIS Working Paper No. 323, CEPR Discussion Paper 10084, IZA Discussion Paper 8345; with Daniele Checchi and Stefano Verzillo.

"Professional Salaries and Research Performance in UK Universities", CEPR Discussion Paper 11638, November 2016, Nottingham School of Economics, GEP Working Paper 16/13; with Giovanni Facchini and John Gathergood.

"The Wounds That Do Not Heal. Long Term Effects of Youth Unemployment", CEPR Discussion Paper 11852, February 2017; with Sara Lemos and James Rockey.

**Research in Progress**

"Time Consistent Environmental Enforcement Policy under Adverse Selection"; with Alessio D'Amato and Mariangela Zoli.

"Was the Italian Government a Profit Maximiser?"; with Carlo Ciccarelli and Silvia Tiezzi.



“Long-term Effects of Passive Smoking”; with Carlo Ciccarelli.

“An Empirical Analysis of the Tiebout Model”; with Jesse Matheson and James Rockey.

“Optimal Healthcare Contracts: Empirical Evidence from Italy”, with Paolo Berta and Stefano Verzillo.

“Corruption and Efficiency in Procurement Auctions in Russia”; with Andrey Tkachenko and Paola Valbonesi.

“A New Method to rank Academic Institutions”, with Stefano Verzillo.

“A Model of the Academic Job Market”; with Paola Valbonesi.

## Books

*Benvenuti in Inghilterra. Istruzioni per l'uso ai tempi della Brexit*, (Welcome in England. Life post Brexit: A user's manual), Egea, Milano, 2017.

## Book reviews

Alan B. Krueger, *Education Matters*, Edward Elgar, Cheltenham, 2000; in *Economic Journal*, 112, 2002, pp. F155-F156.

Robert E. Kuenne, *Price and Non-Price Rivalry in Oligopoly*, Oxford University Press, 1997; in *Economic Journal*, 110, 2000, pp. 206-207.

Timothy F. Bresnahan and Robert J. Gordon (eds.), *The Economics of New Goods*, The University of Chicago Press, Chicago, 1997; in *Economic Notes*, 27, 1998, pp. 131-134.

Robert Dorfman, *Economic Theory and Public Decisions*, Edward Elgar, Cheltenham, 1997; in *Economic Journal*, 108, 1998, p. 942.

Paul T. Hill, Lawrence C. Pierce, James W. Guthrie: *Reinventing Public Education. How Contracting Can Transform America's Schools*, The University of Chicago Press, Chicago and London, 1997; in *Journal of Economics*, 66, 1997, pp. 214-217.

Louis Phlips, *Competition Policy: A Game-theoretic Perspective*, Cambridge University Press, 1996; in *Manchester School*, 65, 1997, pp. 231-232.

Kelvin Lancaster, *Trade Markets and Welfare*, Edward Elgar, Cheltenham, 1996; in *Economic Journal*, 107, 1997, pp. 886-887.

Ken Binmore, Alan Kirman, Piero Tani (eds.), *Frontiers of Game Theory*, The MIT Press, Cambridge, Massachusetts, 1993; in *Economic Notes*, 23, 1994, pp. 501-505.

Drew Fudenberg and Jean Tirole, *Game Theory*, The MIT Press, Cambridge Massachusetts, 1991; in *Economic Notes*, 21, 1992, pp. 587-590.

Kenneth J. Arrow, *Collected Papers*, Blackwell, Oxford; vol. 1: *Social Choice and Justice*, 1982; vol. 2: *General Equilibrium*, 1983; vol. 3: *Individual Choice under Certainty and Uncertainty*, 1984; vol. 4: *The Economics of Information*, 1984; in *Economia Politica*, 3, n.2, August 1986, pp. 309-317; with Claudio Mezzetti (in Italian).

## Internet articles.

Since 2002 regular (recently, approximately monthly) contributor to *lavoce.info*, an Italian outlet, mainly on economics of education and on British politics; some of the postings reproduced in the national press. Occasional contributions to English language internet outlet (eg *vox.eu*, *USApp*).

## 3. Other Research Activities

### Grants and Awards

Expanding the scope of regulation: regulatory institutions and mechanisms in markets not traditionally regulated. Italian Ministry of Education, award 2004134814. €40,000; 2005/2006, 12 researchers involved.

The Role of Promotion in the Design of Organisations and Dynamic Models of Employment. TMR - European Union award ERBFMBICT961030. 38,595 ECU; 1/8/1996 - 28/2/1997.

Competition, Entry, Regulation and Comparative Studies: Theory, Evidence and Policy. ESRC award L114251031, Contract and Competition: Phase II. £60,000; with Keith Hartley; 1/7/1994 - 31/12/1995.

### Editorial Activities

- 2014- Associate Editor: *Southern Economic Journal*.
- 2007- Associate Editor: *e-economics*.
- 2006- Associate Editor: *Economics of Education Review*.
- 2006- Member of the Board of Trustees: *Bulletin of Economic Research*.
- 2005-08 Editorial Board member: *GE Diritto ed economia dello stato sociale*.
- 1999-05 Managing Editor: *Bulletin of Economic Research*.
- 1996-99 Associate Editor: *The Journal of Industrial Economics*.

### Conference Organisation

- 2013-14 Programme Committee: European Association for Research in Industrial Economics Conference.
- 2010-12 Programme Committee: Royal Economic Society Conference.
- 2007 Programme Committee: 62<sup>nd</sup> European Meeting of the Econometric Society.
- 2007 Programme Committee: Association for Public Economic Theory 2007 Meeting.
- 2007 Organiser: CEPR Conference "The Formation and Use of Human Capital and Knowledge", Bergen.

- 2006 Organiser: CEPR Conference "The Economics of Labour Market Relations", Bergen.
- 2004 Organiser: CEPR Conference "Family, Gender and Work", Bergen.
- 2003 Organiser: CEPR Conference "Globalisation and Labour Markets", Bergen.
- 2002 Programme Committee: European Economic Association 17<sup>th</sup> Annual Congress.
- 2002 Organiser: CEPR Conference "Health Economics and Public Policy", Bergen.
- 2001 Organiser: CEPR Conference "The Economics of Education", Bergen.
- 1996 Scientific Committee: Colloquia in Economics (Milan, June 1996).

## Refereeing

Papers refereed for the following journals: *Economic Journal*, *Journal of Industrial Economics*, *Journal of Economics*, *Review of Economic Studies*, *Oxford Economic Papers*, *International Journal of Industrial Organization*, *Journal of Economic Studies*, *Ricerche Economiche*, *Journal of Public Economics*, *Scottish Journal of Political Economy*, *Bulletin of Economic Research*, *Economics of Planning*, *European Economic Review*, *Journal of Economics and Management Strategy*, *Applied Economics*, *Note Economiche*, *Journal of Comparative Economics*, *Regional Science and Urban Economics*, *Economic Notes*, *Manchester School*, *Journal of Economic Surveys*, *Rand Journal of Economics*, *Canadian Journal of Economics*, *Health Economics*, *Land Economics*, *American Economic Review*, *Journal of Health Economics*, *Journal of International and Comparative Economics*, *International Journal of the Economics of Business*, *Journal of Institutional and Theoretical Economics*, *Information Economics and Policy*, *Economica*, *Scandinavian Journal of Economics*, *Journal of Economic Surveys*, *Health Care Management Science*, *European Journal of Political Economy*, *Journal of Economics and Business*, *Rivista Italiana degli Economisti*, *Australian Economic Papers*, *Rivista di Politica Economica*, *Journal of Public Economic Theory*, *International Economic Review*, *Journal of Regulatory Economics*, *Labour Economics*, *Games and Economic Behavior*, *Energy Journal*, *Utilities Policy*, *Journal of Environmental Economics and Management*, *Education Economics*, *Contemporary Economic Policy*, *Journal of Political Economy*, *Journal of Agricultural & Food Industrial Organization*, *Economics of Education Review*, *BE Journals in Theoretical Economics*, *Journal of the European Economic Association*, *Economics Bulletin*, *Management Science*, *Labour*, *International Tax and Public Finance*, *Journal of Economic Behavior and Organization*, *Journal of Regional Science*, *Review of Economic Design*, *BE Journals in Economic Analysis & Policy*, *Journal of Economic Geography*, *Journal of Cultural Economics*, *Journal of International Trade and Economic Development*, *Research in Economics*, *Journal of Economic Theory*, *Education Finance and Policy*, *Economic Inquiry*, *Annals of Public and Cooperative Economics*, *Hacienda Pública Española*, *Environmental & Resource Economics*, *Education Economics Journal*, *Economics Research International*, *Rivista Italiana di Economia*, *Journal of Industry, Competition and Trade*, *Southern Economic Journal*, *The Review of Economics and Statistics*, *FinanzArchiv/Public Finance Analysis*, *Journal of Population Economics*, *Theoretical Economics*, *Journal of Economic Growth*, *The Sociological Quarterly*, *Economics of Governance*, *Economics of Innovation and New Technology*, *Regional Studies*, *Journal of Bioeconomics*, *Economic Modelling*, *Economic Policy*, *Italian Economic Journal*.

Research projects refereed for the ESRC, The Nuffield Foundation, The Leverhulme Trust, the Norwegian Research Council, the Belgian Science Office, the Italian Research Council, the National Science Foundation.

Books refereed for Blackwell Publishers, Chapman & Hall, Cambridge University Press, Oxford University Press, MIT Press, and Academic Press.

Assessor for the Italian Research Evaluation Exercise 2001-2003 and 2004-2010.

External referee for Promotion and Tenure decisions.

External assessor for Chair appointments.

Member of the Evaluation Panel (GEV) for the Research Assessment Round (VQR) for Italian Universities, 2010-2014, for Area 13 – Economics, Management and Statistics (2015-16).

## Conferences and Seminars

Papers presented to the following conferences: 1986, 1988, 2000, and 2002 EEA (Vienna, Bologna, Bolzano, Venice), 1986, 1988, 1991, 1992, and 2007 ESEM (Budapest, Bologna, Cambridge, Brussels, Budapest), 1991, 1993, 1996, 2000, 2016, and 2017 Royal Economic Society (Warwick, York, Swansea, St. Andrews, Sussex, Bristol), 1991 CIRIEC Conference on Private and Public Enterprises (Liege), 1991 and 1992 STEP Conference (Bologna, Milan), 1995 CEPR/IAE Workshop on Telecommunications (Barcelona), 1995 CEPR/CREST Workshop on the Economics of Mobile Communications (Paris), 1995 Symposium on Game Theory and Applications (Cassino), 1995, 1997, 2001 and 2012 EARIE Conference (Nice, Leuven, Dublin, Roma), 1996 Italian Congress of Game Theory and Applications (Bergamo), 1996 *l'Industria* Conference (Piacenza – **invited speaker**), 1998 and 2000 Public Economic Theory Conference (Tuscaloosa, Warwick), 1998 CEPR/IEEG PBM Workshop Rethinking the Welfare Society (La Coruña), 1998 Norwegian Association for Labour Economics (Åsgårdstrand – **invited speaker**), 1999, 2002, 2005 IFS/ESRC Public Economics UK Weekend (Warwick, Bristol, Oxford), 1999 ESRC Game Theory Workshop (Kenilworth), 1999 ISPE Conference (Louvain-la-Neuve), 2000 Public Economics Working Group-IFS, 2001 CEPR Conference The Economics of Education (Bergen), 2001 IST Conference (Dublin), 2001 AIEL-LRI Conference Quality of Education and Labour Market Outcomes (Milan – **invited speaker**), EU-EIB Workshop on PPP for eLearning (Brussels – **invited speaker**), 2003 CEPR Conference The Economics of Education and Inequality (Paris), 3<sup>rd</sup> CoFin Workshop on Regulation (2004, Turin), 2004 Centra Workshop on the Economics of Education (Granada – **invited speaker**), ESSET (2004, Gerzensee), CEPR-Economics of Education in Europe (2005, Uppsala), CEPR Conference The Economics of Labour Market Relations (2006, Bergen), Quantitative Methods for Applied Sciences Meeting (2006 Siena – **invited speaker**), Workshop on Fairness and Education (2006 Alicante – **invited speaker**), 2007 EBRD-CEPR Conference Partnerships Between Government and Private Sectors (London), Conference on Evaluation of University Research (2007 Ancona – **invited speaker**), 2<sup>nd</sup> International conference on the Economics of Education (2008, Athens – **keynote speaker**), Centro de Estudios Andaluces Conference (2009, Seville – **keynote speaker**), Pros and Cons Swedish Competition Authority Seminar (2009, Stockholm – **keynote speaker**), Conference on the Economics of Science (2010 Paris, **invited speaker**), PEUK meeting (2011 Oxford, **invited speaker**), SFYR Forum (2011 St. Andrews, **invited speaker**), GRASS (2013 Pisa), Italian Economic Association Annual Conference (2013 Bologna, **invited speaker**), INFER Conference (Pescara 2014, **keynote speaker**), Festival of Economics (Trento 2014, **invited speaker**), Barcelona GSE Forum (2014, 2017); 10th Joint ECB/CEPR Labour Market Workshop on “Labour supply in the aftermath of the crisis”, (2014 Frankfurt). 11<sup>th</sup> LEI & BRICK Workshop on the Economics of Science (Turin, 2017), AISUK conference (King’s College 2017, **invited speaker**), Equity in Education Workshop Workshop (Leuven 2017, **keynote speaker**)

Papers presented to the staff seminars at the following universities: Pisa, Bologna, Oxford, Southampton, ESRC Theory Group (LSE), Bristol, Liverpool, East Anglia, University College London, London Business School, York, Essex, Keele, European University Institute, Calabria, Cassino, St. Andrews, Bangor, Chuo (Tokyo), Exeter, Manchester, Manchester Metropolitan, Edinburgh, Catholic (Milan), Sassari, Warwick, Nottingham, Queen Mary and Westfield College, Leicester, Aberdeen, Bergen, Dundee, Birkbeck College, Padua, Bocconi (Milan), Bonn, Birmingham, Aberystwyth, Barcelona Autònoma, Carlos III (Madrid), Brunel, Royal Holloway (London), Cergy-Pontoise (Paris), Tor Vergata (Rome), Canterbury, Surrey, Newcastle, CEE-LSE, Banca d’Italia, Salerno, Milan, Erasmus (Rotterdam), Durham, Antwerp, Free University Berlin, Loughborough, Toulouse, Lancaster, Indiana Bloomington, Florida Gainesville, Boston College, Pablo de Olavide

(Seville), Bath, Alicante, Leeds, Higher School of Economics (Moscow), Queen's (Belfast), Luxembourg, Cardiff, Nottingham Ningbo.

## Visiting Positions

- 2017 Visiting Professor in Economics, University of Nottingham Ningbo, China (February-March).
- 2003-04 Professor of Economics, University of Rome "Tor Vergata", Italy (July 2003-June 2004).
- 1998 Visiting Professor, Institut d'Anàlisi Econòmica, CSIC, Universitat Autònoma de Barcelona, Spain (January-April).
- 1997 Visiting Researcher, Sonderforschungsbereich 303, University of Bonn, Germany (April-May).
- 1994 Visiting Professor in Economics, Chuo University, Tokyo, Japan (April-July).

## External Work

*Role of Public Private Partnership for eLearning in Europe*, for European Investment Bank, October 2002.

*Cost-Price Orientation*, for Telecom Italia, April 2000; with Alberto Iozzi.

*Access to Bandwidth Regulation*, for Telecom Italia, October 1999; with Alberto Iozzi.

*Privatisation of Public Utilities: The case of Telecommunications*, for STET- Telecom Italia, January-April 1997; with Paola Valbonesi.

*The Time of the Day Problem*, BT Academic Fellowship, August-September 1994.

*The European Gas Market*, for Fondazione ENI Enrico Mattei (Milan, Italy), August-December 1991; with Giulio Ecchia.

## Other

Citation count. SSCI: **612**. Google Scholar: **3214**; *h*-index: **24**.

Position in latest (2000) Tom Coupé's worldwide ranking of economists ([ftp.vub.ac.be/~tcoupe/ranking.html](http://ftp.vub.ac.be/~tcoupe/ranking.html)): **671<sup>st</sup>** (Position in Europe: **104<sup>th</sup>**).

Regular interviews in the national press, television, and radio, in both UK and Italy.

Awarded the rank of Academician of the Academy of Social Sciences (2011).

## 4. Teaching

### Lecture Courses

*Undergraduate:* Introductory Microeconomics (I year), Introductory Macroeconomics (I year), Quantitative methods (II year), Industrial Economics (III year), Microeconomics (II year), The Economics of Social Problems (II year), Dissertation (III year).

*Graduate:* Applied Microeconomics, Game Theory, Public Economics.

### Invited Lecture Courses

July 1991: Lecture Course on Game Theory to Economics staff of Scottish Universities (Dundee).

April 1995: Lecture Course on the Theory of Regulation to Doctoral students, (Sassari, Italy).

February-March 1998: Lecture Course on Industrial Organisation to IDEA Doctoral Programme, (Barcelona, Spain).

April 1999: Lecture Course on the Theory of Regulation to Master and Doctoral students, (Rome, Tor Vergata University, Italy).

November 1999: Lecture Course on Publicly Provided Public Goods to the 1999 Summer School, (Rome, Tor Vergata University, Italy).

August 2001: Lecture Course on Game Theory in Health Economics to young researchers and PhD students for the Nordic Health Economics Programme (Odense, Denmark).

June 2002: Lecture Course on Public Economics to Doctoral students, (Padua, Italy).

March 2004: Lecture Course on Public Economics to Doctoral students, (Rome, Italy).

April 2004: Lecture Course on Public Economics to Doctoral students, (Milan, Italy).

April 2005: Lecture Course on Microeconomics to Doctoral students, (Milan, Italy).

January 2006: Lecture Course on Microeconomics to Doctoral students, (Milan, Italy).

September 2006: Lecture Course on research Methods in Economics to Doctoral students, (Padua, Italy).

June 2007: Lecture course at the International Summer School on Inequality, Criss-Ineq, (Siena Italy).

May 2015: Lecture Course on research Methods in Economics to Doctoral students, (Bolzano, Italy).

## Research supervision

Principal supervisor of the following PhD students:

Damiano Silipo	R&D Joint Ventures	Viva April 2003
Claudio Piga	Dynamic Models of Oligopoly	Viva February 1999
Alberto Iozzi	Regulation of Privatised Utilities	Viva January 2000
Fabio Manenti	Regulation and Access in Integrated Industries	Viva December 2000
Daniel Johnson (MPhil)	Earnings and Demand for Education	Viva January 2001
Alberto Bacchiega	The Economics of Non-Profit Organisations	Viva February 2001
Luigi Siciliani	Regulation in Health Economics	Viva January 2003
Tania Oliveira	Topics in the Economics of Education	Viva September 2004
Clive Stones	Consumer Owned Utilities	Viva December 2004
Marisa Miraldo	Topics in the Health Economics	Begun October 2001 – completed.
Matteo Galizzi	Private Provision of Public Goods	Begun October 2001 – completed.
Angelos Delis	R&D	Viva September 2007
Nurhani Ibrahim	R&D and Total Factor Productivity	Viva May 2007
Hakeem Mobolaji	Health, Education and Economic Growth	Viva July 2009
Andrea Oterova	Human Capital Development in Ethiopia	Viva April 2011
Khaled Mohammed	FDI in Egypt	Viva October 2010
Mumtaz Shah	Pakistan Foreign Investment	Viva July 2011
Francesca Acacia	Strategic Voting	Viva June 2012
Alessandro Tampieri	Over-education	Viva December 2010
Miguel Flores	Industrial Organisation	Viva December 2012
Valentina Conti	Information and Education	Viva July 2012
Abdul Wassiuw	Commodity Taxation in Ghana	Viva September 2016
Marta Allegra Ronchetti	Credit Rating Agencies	Begun October 2013
Georgia Michailidou	Complicity and Honesty	Begun October 2013
Miriam Saldana	Remittance and Emigration in Mexico	Begun February 2014
Jose Carrillo	Fiscal Federalism	Begun February 2014
Sarimah Surianshah	Education in Malaysia	Begun October 2015
Adrián Nieto Castro	Digital Television and School Achievement	Begun October 2015
Bernardo Sarmiento	Measuring the Impact of Schools Attendance	Begun October 2015
Pedro Luis Silva	School entry standard, effort and performance	Begun October 2016

Member of the Thesis Advisory Group of several research students.

MSc dissertations and projects.

External Member of the Board of Studies, Doctoral Programme in Economics and Management, University of Padova (2004-2007).

Member of the Board of Studies, Doctoral Programme in Economics, University of Roma “Tor Vergata” (2003-2006).

## Doctoral Examining

External	Berit Tennbakk	June 1996, Bergen (Norway)
	Amparo Sanchis-Llopis	December 1996, London
	Giulio Ecchia	June 1997, Oxford
	Eliane Catilina	October 1999, London
	Andreas Bentz	December 1999, Bristol
	Emanuela Carbonara	March 2000, Oxford
	Francisco Martínez-Mora	May 2004, Granada (Spain)
	Ben Irons	September 2005, Oxford
	Marisa Hidalgo-Hidalgo	September 2006, Alicante (Spain)

	Sara Biancini	June 2007, Toulouse (France)
	Marieke Huysentruyt	June 2008, London
	Mohamed Emran	November 2010, Birmingham
	Feng Ruan	November 2011, Edinburgh
	Piotr Spiewanowski	May 2014, EUI Florence
Internal:	Bon Gu	November 1994, York
	Gaia Garino	April 1996, York
	Pak Yee Lee	July 2011, Leicester
	Zhiyong Li	April 2015, Nottingham

## External Examining

Undergraduate External Examiner in Economics (BA, BSc), University of Leicester, 2000-2002.

Graduate External Examiner in Economics (MSc), University of Leicester, 2000-2002.

Graduate External Examiner in Economics (MSc), London School of Economics, 2001-2004.

Graduate External Examiner in Economics (MSc), University of Essex, 2003.

Undergraduate External Examiner in Economics (BA), University of Warwick, 2004-2007.

Undergraduate External Examiner in Economics (BA), University of Leeds, 2004-2007.

External Examiner for PPE and History and Economic History (Undergraduate), University of Oxford, 2017-2019.

## 5. Administration

Mentor, "Research Leaders Programme" (Nottingham 2015).

Chair, Selection Panel for Post-Docs (Economics 2014).

Chair, Selection Panel for Assistant Professorship (Nutritional Science 2013, Primary Education 2013, Primary Care 2015, Historical Linguistics 2015, Biomedical Science 2016, Music 2017).

Head of Department (2008-2011).

Chair, Selection Panel for Graduate Teaching Assistants (2005).

Member, Selection Panel for Readership (2005, 2006).

Member, Selection Panel for Senior Administrative Assistant (2005).

Member, Electoral Board for Chair (Economics 2004, 2005, 2008-2011 Finance 2008, 2009, Education 2010).

Director of MSc in Economics, Leicester (2004-2005).

Member, Selection Panel for Senior Lectureship (2003).

Member, Board for the Graduate Schools, University of York (2002-2004)



Director of BSc in Economics, York (2001-2004).  
Mentor to newly appointed members of staff and teaching fellows.  
Director of Research Students, York/Leicester/Nottingham (1999-2007, 2013-).  
Member, Departmental Teaching Committee, York (1998-2004).  
Chair, Examination Board Subcommittee investigating Academic Misconduct (1998).  
Co-Director of Research Students (1997-1999).  
Member, Departmental Research Committee (1997-2011).  
Chair, Departmental Research Committee (1995-1997).  
Staff Graduate seminar organiser (1995-1997).  
Secretary of the Board of Studies (1993-1994).  
Member, Selection Panel for Lectureships (Economics 1992, 1996, 2001, 2002, 2003, 2005, 2008, 2013; Biochemistry 2006).  
Internal workshop organiser (1990-1995).

## 6. Education

### Graduate

- 1985-89 DPhil in Economics, Linacre College, University of Oxford. Viva on 7/1/1990. Thesis *Oligopolistic Competition among Multiproduct Firms*. Research suspended from September 1986 to September 1987 to absolve the duty of Military Service in the Italian Army.
- 1984-86 Dottorato di Ricerca (PhD) in Economics, University of Siena. Viva on 1/7/1987. Thesis *Alcuni aspetti della moderna teoria dei giochi dinamici, con applicazioni ai mercati oligopolistici (Topics in the Modern Theory of Dynamic Games, with Applications to Oligopoly Markets)*.
- 1983 Specialisation Course in Economics. Scuola Superiore di Studi Universitari e di Perfezionamento, Pisa. Admitted to the second year, but resigned to take up a place on the Doctoral Programme in Siena.

### Undergraduate

- 1979-82 Laurea in Economics and Commerce, University of Pisa, Faculty of Economics and Commerce. Average mark in the examinations 30/30, Viva on 27/10/1982, final mark 110/110 e lode (equivalent to 1<sup>st</sup> class).

1979-82 Leaving Diploma, Scuola Superiore di Studi Universitari e di Perfezionamento, Pisa. Class of Economics and Commerce. Viva on 16/12/1982, final result 70/70 e lode (equivalent to 1<sup>st</sup> class).

## 7. Other

Faculty Advisor: 'Students in Free Enterprise' (SIFE) University of Leicester (2008-2012).

School Governor: Tadcaster East Community Primary School (2002-2005).

School Governor: Ashby School (2010-2016).

Nottingham, 28 February