

**CURRICULUM VITAE**  
**FRANK VERBOVEN**  
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**Contact**

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**Education**

Ph.D. in Economics, 1993, University of Toronto, Advisor: Nancy Gallini  
M.A. in Economics, 1989, University of Toronto  
Licentiate in Economics, 1988, Catholic University Leuven

**Employment**

Professor (Gewoon Hoogleraar)  
Catholic University Leuven, 2006-present

Professor (Hoogleraar)  
Catholic University Leuven, 2002-2006  
University of Antwerp UFSIA (Part-time), 2000-2001

Associate Professor (Hoofddocent)  
Catholic University Leuven, 2000-2002  
University of Antwerp UFSIA, 1998-2000

Assistant Professor (Docent)  
University of Antwerp UFSIA, 1997-1998

Postdoctoral Researcher  
FWO/Catholic University Leuven, 1996-1997  
BOF/Catholic University Leuven, 1995-1996  
CentER Tilburg University, 1993-1995

Teaching Assistant  
University of Toronto, 1988-1993

**Other positions**

Editor  
Journal of Industrial Economics, 2003-2008

Associate Editor  
Journal of the European Economic Association, 2003-2008  
European Economic Review, 1999-2002

Journal of Industrial Economics, 1999-2003  
Economisch en Sociaal Tijdschrift, 1998-2001

Visiting Professor

Barcelona Graduate School of Economics (Master of Competition and Regulation)

Research Fellow

Centre for Economic Policy Research, London, 1997-present  
CentER for Economic Research, Tilburg University, 1997-present

Member of

- Economic Advisory Group Competition Policy, European Commission, 2003-present
- Raad van Bestuur, Vereniging voor Economie, 2003-present
- E.A.R.I.E. Executive Committee, 2001-2007
- Steering Committee of the C.E.P.R. Applied IO Conferences, 1997-present
- Elected academic member of the steering committee of the Association of Competition Economists (ACE), 2008-present.

**Fellowships and awards**

- Fund for Scientific Research (Flanders) Onderzoeksproject, promotor, 2009-2013:  
“Vertical Control of the Size and Geographic coverage of Distribution Networks: Empirical Methodology and Applications”
- K.U.Leuven OT Onderzoeksproject, promotor, 2005-2008:  
“Entry, Competition and Economic Efficiency”
- Fund for Scientific Research (Flanders) Onderzoeksproject, co-promotor, 2004-2007:  
“Entry, Competition and Economic Efficiency: Applications to Banking, Health Services and Retail”.
- RTN Network Fellowship, promotor Leuven node, 2002-2005:  
“Competition Policy in International Markets”
- PAI Project, co-promotor Leuven node, 2003-2006:  
“Universities and Firms: A Comparative Analysis of the Interaction Between Market Processes, Organizational Strategies and Governance”
- Fund for Scientific Research (Flanders) Onderzoeksproject, promotor, 2002-2005:  
“New Industrial Organization Methods, with Applications to Automobiles and Telecommunications”
- Tweejaarlijkse Prijs Vereniging voor Economie, 2001
- University of Antwerp BOF Onderzoeksproject, promotor, 1998-2001:  
“Structural Modeling of the European Automobile Industry”
- Fund for Scientific Research (Flanders) Onderzoeksproject, promotor, 1998-2002:  
“Deregulation in telecommunications, with applications to the Mobile Telecommunications Industry”
- Fund for Scientific Research (Flanders) Krediet aan Navorsers, promotor, 1997-2000:  
“Empirical Analysis of the Automobile and Semiconductor industries”
- Phare ACE Research Grant for project P96-6204-R, participant, 1996-1999:  
“Industrial Change in Transition: a Comparative Analysis of Three Industries in Three Countries”
- Fellow at the Institute for Policy Analysis, University of Toronto, 1992
- Winner of “Young Economists’ Essay Competition”  
European Association of Research in Industrial Economics, 1992
- Open Fellowship, University of Toronto, 1992
- Mary H. Beatty Fellowship, University of Toronto, 1991

- Connaught Fellowship, University of Toronto, 1989-1990
- Margaret and Nicholas Fodor Fellowship, University of Toronto, 1988

## Teaching

Graduate: Microeconomics, Applied Econometrics, Empirical Industrial Organization, Empirical Methods in Competition Policy

Undergraduate: Intermediate Microeconomics, Industrial Organization, Managerial Economics

## Working papers

- “Intra- and Inter-format Competition among Discounters and Supermarkets,” (2007) with Kathleen Cleeren, Marnik Dekimpe and Katrijn Gielens, revise and resubmit for Marketing Science.
- “Reducing Program Diversity in Higher Education,” (2007) with Stijn Kelchtermans, revise and resubmit for Journal of Public Economics.
- “Implicit Interest Rates in Durable Goods Purchasing Decisions – Evidence from Automobile Purchasing Data,” (1998) also C.E.P.R. Discussion paper no. 2069.

## Publications

- “Investment and Usage of New Technologies: Evidence from a Shared ATM Network,” (2009) with Stijn Ferrari and Hans Degryse, forthcoming American Economic Review.
- “Cartel Damages Claims and the Passing-on Defense,” (2009) with Theon van Dijk, forthcoming Journal of Industrial Economics.
- “Participation and Schooling in Higher Education,” (2009) with Stijn Kelchtermans, forthcoming, Journal of Applied Econometrics.
- “Entry and Regulation – Evidence from Health Care Professions,” (2008) with Catherine Schaumans, RAND Journal of Economics, 39, 949-972.
- “Competition in Local services: the Video Rental Case,” (2006) with Kathleen Cleeren and Marnik Dekimpe, International Journal of Research in Marketing, 23, 357-367.
- “Liberalizing a Distribution System: the European Car Market,” (2006) with Randy Brenkers, Journal of the European Economic Association, 4(1), 216-251.
- “Quantifying the Effects from Horizontal Mergers in European Competition Policy,” (2005) with Marc Ivaldi, International Journal of Industrial Organization, 23 (9-10), 669-691.
- “Quantifying the Effects from Horizontal Mergers in European Competition Policy: comments on the underlying assumptions,” (2005) with Marc Ivaldi, International Journal of Industrial Organization, 23(9-10), 693-698.
- “Discrimination and Nepotism: the Efficiency of the Anonymity Rule,” (2005) with Chaim Fershtman and Uri Gneezy, Journal of Legal Studies, 34(2), 371-394.
- “Market Integration and Convergence to the Law of One Price: Evidence from the Automobile Industry,” (2005) with Pinelopi K. Goldberg, Journal of International Economics, 65(1), 49-73.
- “Cross-country Price Dispersion in the Euro Era: a Case Study of the European Car Market,” (2004) with Penny Goldberg, Economic Policy, 19(40), 484-521.
- “Price Squeezes in a Regulatory Environment,” (2004) with Jan Bouckaert, Journal of Regulatory Economics, 26(3), 321-351.
- “Quality-based Price Discrimination and Tax Incidence – the Market for Gasoline and Diesel Cars In Europe,” (2002), RAND Journal of Economics, 33(2), 275-297.
- “The Evolution of Price Dispersion in the European Car Market,” (2001) with Pinelopi K.

Goldberg, Review of Economic Studies, 68(4), 811-848.

**Reprinted as:** “The Evolution of Price Dispersion in the European Car Market,” (2004) with Pinelopi K. Goldberg, in: Paul Joskow and Michael Waterson (ed.) Empirical Industrial Organization – Vol. 1, Edward Elgar, 478p.

- “Testing for “Monopoly” Market Power when Products are Differentiated in Quality,” (2002), The Manchester School – Special Issue on Industrial Organization, 70(1), 115-133.
  - “The Evolution of Markets under Entry and Standards Regulation – the Case of Global Mobile Telecommunications,” (2001) with Harald Gruber, International Journal of Industrial Organization, 19(7), 1189-1212.
  - “The Diffusion of Mobile Telecommunications Services in the European Union countries,” (2001) with Harald Gruber, European Economic Review, 45(3), 577-588.
  - “Presents or Investments? – An Experimental Analysis,” (2000) with Uri Gneezy and Werner Guth, Journal of Economic Psychology, 21(5), 481-493.
  - “Incomplete Transmission of Coffee Bean Prices: Evidence from the Netherlands,” (2000) with Leon Bettendorf, European Review of Agricultural Economics, 27(1), 1-16.
  - “Product Line Rivalry and Market Segmentation, with an application to the Pricing of Optional Engine Power on Automobiles,” (1999), Journal of Industrial Economics, 47(4), 399-425.
  - “Localized Competition, Multimarket Operation, and Collusive Behavior,” (1998) International Economic Review, 39(2), 371-398.
  - “Collusive Behavior with Heterogeneous Firms,” (1997) Journal of Economic Behavior and Organization, 33(1), 21-36.
  - “International Price Discrimination in the European Car Market,” (1996) RAND Journal of Economics, 27 (2), 240-268.
- Reprinted as:** “International Price Discrimination in the European Car Market,” (1998) in: Louis Philips (ed.), Applied Industrial Economics, Cambridge University Press, 443p.
- “The Nested Logit Model and Representative Consumer Theory,” (1996) Economics Letters, 50(1), 57-63.
  - “Corporate Restructuring in a Collusive Oligopoly,” (1995) International Journal of Industrial Organization, 13(3), 335-354.

## Chapters in books

- “Efficiency Enhancing or Anti-Competitive Vertical Restraints: Selective and Exclusive Car Distribution in Europe,” (2008), forthcoming in Cases in European Competition Policy: the Economic Analysis, Edited by Bruce Lyons, Cambridge University Press.
- “Quantification of Damages,” (2008) with Theon van Dijk, in: Wayne D. Collins, ed., Issues in Competition Law and Policy (Volume III), American Bar Association, augustus 2008.
- “Price Discrimination: Empirical Studies,” (2008) in: Stephen N. Durlauf and Lawrence E. Blume, ed., The New Palgrave: A Dictionary in Economics, MacMillan, second edition.
- “Market Definition with Differentiated Products – Lessons from the Car Market,” (2006) with Randy Brenkers, in: Jay Pil Choi (ed.), Recent Developments in Antitrust: Theory and Evidence, MIT Press, p. 153-186.
- “Efficiency Gains from Mergers,” (2001) with Lars-Hendrik Röller and Johan Stennek, European Economy, 5, 31-127.
- “Merger Control and Enterprise Competitiveness: Empirical Analysis and Policy Recommendations,” (2001) with Johan Stennek, European Economy, 5, 130-194.
- “Price Differences and Price Setting in the European Car Market,” (2000) with Jan Bouckaert, in: Ooghe H., Heylen F. and Vander Vennet, R. (eds.), The Economic and Business Consequences of EMU: a Challenge for Governments, Financial Institutions and Firms, Kluwer Academic Publishers, 438p.

## **Publications in Dutch**

- “Motieven voor het selectieve en exclusieve distributiesysteem in de Europese automarkt,” (2003) Tijdschrift voor Economie en Management, 48 (3), p. 405-430.
- “Nieuwe technieken ten dienste van het mededingingsbeleid,” Business InZicht, (2002).
- “Het nieuwe toezicht op ondernemingen: economische aspecten van marktwerking en regulering,” (2001) met Eric van Damme, in H. Schenk (ed.), Herpositionering van Ondernemingen, KVS Preadviezen, LEMMA, Utrecht.
- “Het Gebruik van Simulatieanalyse in het Europese Mededingingsbeleid,” (2001) Markt & Mededinging.
- “Mededinging en de E.M.U.: Prijsverschillen en Prijszetting in de Europese automarkt,” (2000) met Jan Bouckaert, in F. Heylen, H. Ooghe and R. Vander Vennet (eds.), E.M.U.: dé Uitdaging, Vereniging voor Economie vzw, 593p.
- “Prijsverschillen in de Europese automarkt,” (1999) Trends Review, nr. 6.
- “De Markten voor Benzine- en Dieselauto’s in de Europese Unie,” (1999) Economische en Statistische Berichten, 84, nr. 4203.
- “Productdifferentiatie, Prijszetting en Overheidsinterventie in de Europese automarkt,” (1999) Economisch en Sociaal Tijdschrift.

## **Selected policy reports**

- “Regulation and Broadband Penetration – What is Required to Regain Speed in Belgium?” (2008), with Jan Bouckaert and Theon van Dijk.
- “Report on: an economic analysis of the Austrian/German soft drink sectors,” (2003) report for the Competition Directorate-General of the European Commission.
- “Efficiency Defense and Consumers’ Interests in European Merger Control,” (2003) with Johan Stennek, report for Directorate General of Health and Consumer Protection.
- “Quantitative Techniques to Assess Price Effects in European Merger Control from a Consumer Protection Perspective,” (2003) with Johan Stennek, report for Directorate General of Health and Consumer Protection.
- “Quantitative Study to Define the Relevant Market in the Passenger Car Sector,” (2002) report for the Competition Directorate-General of the European Commission.
- “Enterprise Competitiveness and Merger Control,” (2001) with Johan Stennek, report for the Enterprise Directorate General of the European Commission.
- “Car Price Differentials in the European Union: and Economic Analysis,” (2000) with Hans Degryse, report for the Competition Directorate-General of the European Commission.
- “The European Heavy Trucks Market: an Economic Analysis,” (2000) with Marc Ivaldi, report for the Competition Directorate General of the European Commission.
- “The Efficiency Defense in Merger Analysis,” (1999) with Lars-Hendrik Röller and Johan Stennek, report for the Economic and Financial Affairs Directorate General of the European Commission.
- “Restructuring in the Automotive Sector in Three Countries in Transition: a Comparative Analysis,” (1999) report for Phare ACE-program.

## **Other**

### **Services to international conferences**

- European Association for Research in Industrial Economics in Toulouse, 2008, member of program committee.

- 9<sup>th</sup> C.E.P.R. conference in Industrial Organization in Paris, 2008, member of program committee.
- European Economic Association conference in Budapest, 2007, member of program committee.
- European Association for Research in Industrial Economics in Valencia, 2007, member of program committee.
- 8<sup>th</sup> C.E.P.R. conference in Industrial Organization in Taragona, 2007, member of program committee.
- European Association for Research in Industrial Economics in Porto, 2005, member of program committee.
- 7<sup>th</sup> C.E.P.R. conference in Industrial Organization in Madeira, 200, member of program committee.
- 6<sup>th</sup> C.E.P.R. conference in Industrial Organization in Munich, 2005, member of program committee.
- European Association for Research in Industrial Economics in Berlin, 2004, member of program committee.
- 5<sup>th</sup> C.E.P.R. conference in Industrial Organization in Hydra, 2004, member of program committee.
- Econometric Society Conference in Stockholm, 2003, member of program committee.
- European Association for Research in Industrial Economics in Helsinki, 2003, member of program committee.
- 4<sup>th</sup> C.E.P.R. conference in Industrial Organization in Leuven, 2003, organizer.
- European Association for Research in Industrial Economics in Madrid, 2002, member of program committee.
- 2<sup>st</sup> C.E.P.R. conference in Industrial Organization in Lissabon, 2000, co-organizer.
- European Association for Research in Industrial Economics in Lausanne, 2000, member of program committee.
- 1<sup>st</sup> Joint C.E.P.R./N.B.E.R. conference in Industrial Organization in Toulouse, 1999, member of program committee.
- European Economic Association conference in Santiago, 1999, member of program committee.
- European Economic Association conference in Berlin, 1998, member of program committee.
- European Association for Research in Industrial Economics in Leuven, 1997, member of program committee.

### **Refereeing services**

American Economic Review; Economic Policy; Economisch en Sociaal Tijdschrift; European Economic Review; European Review of Agricultural Economics; Games and Economic Behavior, International Journal of Industrial Organization; Journal of Applied Econometrics; Journal of Economic Behavior and Organization; Journal of the European Economic Association; Journal of Competition, Industry and Trade; Journal of Political Economy; Journal of Public Economics; RAND Journal of Economics; Recherches Economiques de Louvain; Regional Science and Urban Economics; Review of Economics and Statistics; Review of Economic Studies; Tijdschrift voor Economie en Management.

### **Ph.D. supervision**

- Currently supervising Stijn Ferrari (Leuven), Catherine Haeck (Leuven), Laura Grigolon (Leuven).

- Promotor of:
  - Catherine Schaumans (Leuven, 2008; together with Hans Degryse);
  - Stijn Kelchtermans (Leuven, 2007; together with Reinhilde Veugelers);
  - Kathleen Cleeren (Leuven, 2007; together with Marnik Dekimpe);
  - Randy Brenkers (Leuven, 2006);
  - co-promotor of Yunus Aksoy (Leuven, 2000; Promotor: Paul De Grauwe).
- Committee member of Youdi Schipper (Amsterdam, 1999), Zsolt Sandor (Groningen, 2001), Vincent Verouden (Tilburg, 2001), Bert Willems (Leuven, 2004), Marc Callens (Leuven, 2004), Ziv Hagai (Tel Aviv, 2004), Christos Genakos (London Business School, 2005), Kristien Coucke (Leuven, 2005), Lapo Filistrucchi (Florence, 2005), Szabolcs Lorincz (Toulouse, 2006), Jan De Loecker (Leuven, 2006), Katrin Hussinger (Leuven, 2007), Gorm Gronnevet (Norwegian School of Economics), An Renkens (Leuven, 2008), Tom Franck (Leuven, 2008), Eve Van Haacht (Leuven, 2008), Ilke Van Beveren (Leuven, 2008), Sandra Jodar (Toulouse).

### Conference presentations

- Annual Conference of the European Association of Research in Industrial Economics, Ljubljana, 2009. (Invited session.)
- Keynote speech at the Annual Conference of the Spanish Industrial Economics Association, Reus, 2008.
- Annual Conference of the European Association of Research in Industrial Economics, Toulouse, 2008. (Invited session.)
- CRESSE Conference on Competition Policy, Athens, 2008.
- The 9<sup>th</sup> C.E.P.R. Conference on Empirical IO, Paris, 2008.
- UK Network of Industrial Economics Conference on Applied Industrial Organization, Oxford University, 2007.
- Professional Services Conference of the European Commission, 2006.
- The 7<sup>th</sup> C.E.P.R. Conference on Empirical IO, Madeira, 2006.
- Conference in Industrial Organization and Competition Policy, Madrid, 2005
- Annual Conference of the European Economic Association, Amsterdam, 2005.
- Conference Centrum voor Economische Studies, Leuven, 2005.
- WZB/RTN Conference on Competition Policy in International Markets, Berlin, 2004.
- The 5<sup>th</sup> C.E.P.R. Conference on Empirical IO, Hydra, 2004.
- PAI Conference on the Economics of Education, Toulouse, 2004.
- CEPR/Economic Policy Conference, Trinity College, Dublin, 2004.
- Conference on Antitrust and Regulation, University of Brescia, 2004.
- Conference on Issues on the Economics of Pricing, Utrecht School of Economics, 2004.
- UK Network of Industrial Economics Conference on Applied Industrial Organization, University of Lancaster, 2004.
- Annual Conference of the Econometric Society, Stockholm, 2003.
- RTN/C.E.P.R. Conference on Competition Policy in International Markets, Toulouse, 2003.
- C.E.P.R. Conference on Competition Policy, Madrid, 2003
- Annual Conference of the European Association of Research in Industrial Economics, Madrid, 2002. (Invited session.)
- Annual Conference of the European Economic Association, Lausanne, 2001.
- Annual Marketing Science Conference, Wiesbaden, 2001.
- The 2<sup>nd</sup> Tel Aviv Workshop on Industrial Organization and Antitrust, 2001
- Conference on the Economics of Antitrust, Wissenschaftszentrum Berlin, 2000.
- Annual Conference of the European Economic Association, Santiago, 1999.
- Annual Conference of the European Economic Association, Berlin, 1998.

- Conference on Advances in Empirical Industrial Organization, Wissenschaftszentrum Berlin, 1997.
- Annual Conference of the European Association of Research in Industrial Economics, Leuven, 1997.
- CEPR Conference on Applied Theory and Empirical Work in Industrial Organization, Champéry, 1996.
- Annual Conference of the European Association of Research in Industrial Economics, Nice, 1995.
- Annual Conference of the European Association of Research in Industrial Economics, Chania, 1994.
- Econometric Society European Meeting, Maastricht, 1994.
- Annual Conference of the European Association of Research in Industrial Economics, Tel-Aviv, 1993.
- Annual Conference of the European Association of Research Industrial Economics, Stuttgart, 1992.

### **Seminar presentations**

- 2008: CREST (Paris), Harvard/MIT, Stern Business School, Wharton, Tilburg (Tilburg).
- 2007: Stockholm School of Economics, Helsinki Center for Economic Research.
- 2006: Tinbergen Institute (Rotterdam), CPB/EZ/Tilburg (Den Haag), Norwegian School of Economics and Business Administration (Bergen), Collegio Carlo Alberto (Turin), Ecares (Brussels), London School of Economics.
- 2005: CREST (Paris), Warwick University.
- 2004: Portuguese Competition Authority (Lissabon), UCL (London), European Commission (Brussels), Nationale Bank (Brussels).
- 2003: European University Institute (Florence), Tilburg University, Maastricht University, Cemfi (Madrid), London School of Economics, Encore (Amsterdam).
- 2002: University of Chicago GSB, University of Cyprus, London Business School, Office of Fair Trading, University of Toulouse.
- 2001: UCL (Louvain-La-Neuve), IUI (Stockholm), FUNDP (Namur), DG-ECFIN of European Commission (Brussels), Tilburg University.
- 1999: University of Lausanne, University of Toulouse, WZB (Berlin), K.U.Leuven, Ecares (Brussels).
- 1998: London Business School, Tinbergen Institute (Amsterdam), Norwegian School of Economics (Bergen).
- 1997: Ecares (Brussels), UCL (Louvain).
- 1996: UFSIA (Antwerp), RUG (Groningen), WZB (Berlin), R.U.Limburg (Maastricht).
- 1995: WZB (Berlin).
- 1994: CEME (Brussels), ENCAE-CREST (Paris).
- 1993: Tinbergen Institute (Rotterdam), Erasmus University (Rotterdam), CES (Leuven), CentER (Tilburg), University of Toronto.