

## CURRICULUM VITAE

**Marc IVALDI**

### POSITION

Directeur d'Etudes, Ecole des Hautes Etudes en Sciences Sociales (EHESS) - Toulouse School of Economics (TSE) since 1998.

### Professional Address

Toulouse School of Economics - EHESS

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### EDUCATION

Doctorat de sciences économiques, University of Toulouse, France, 1978-1982.

PhD in Economics, University of Pennsylvania, (U.S.A.), Advisor: Marc Nerlove, 1981-1990.

### PAST ACADEMIC POSITIONS

Fellow (Assistant) and lecturer (Maître Assistant), Université des Sciences Sociales de Toulouse, 1983-1992.

Lecturer (Maître de Conférences), Ecole des Hautes Etudes en Sciences Sociales, Toulouse, 1992-1998.

### OTHER POSITIONS

President, International Transportation Economics Association (ITEA), since 2018.

Research Director, Institut D'Economie Industrielle (IDEI), since 1990.

Research Fellow, Centre for Economic Policy Research, London, since 1996.

Research Fellow, CESifo, Munich, since 2017.

Member of the Expert Consultancy Panel of the Australian Competition and Consumer Commission (ACCC), since 2014.

Member, Institute for Advanced Study in Toulouse, since 2014.

Member, Editorial Board, Economics of Transportation, since 2011.

Member, Editorial Board, Review of Network Economics, since 2016.

Academic Affiliate, NERA Economic Consulting, Paris, since 2016.

Member of the Scientific Committee of Toulouse Aerospace Express, since 2017.

### PAST POSITIONS

Scientific Coordinator, Cooperation on European Research in Economics (COEURE), 2013 - 2016

Director, Division of Social Sciences and Humanities, Directorate General for Research and Innovation, Ministry of Higher Education and Research, since 2007-2009.

Director of Scientific Communication, Toulouse School of Economics, 2007-2011.

Chairman of the Evaluation Committee of the National Institute of Research on Transport and Safety Agency under the Evaluation of Research and Higher Education, 2009.

Program Director in Industrial Organization, Center for Economic Policy Research, 2003-2014.

Member, Economic Advisory Group on Competition Policy, DG Concurrence, European Commission, 2003 - 2013.

Chair, European Economic Association Standing Committee on Research, 2011-2014.

## **FIELDS OF INTEREST AND RESEARCH**

Applied Industrial Organization: Demand and production analysis, Market structure and conduct, Regulation and competition analysis.

Industrial sectors: Transport, Telecommunications, Energy, Information Technology, Insurance, Banking.

## **ACTIVITY RELATED TO RESEARCH**

**Referee** for *Econometrica*, *Review of Economic Studies*, *American Economic Review*, *Journal of Industrial Economics*, *International Journal of Industrial Organization*, *Rand Journal of Economics*, *Economic Journal*, *Journal of Applied Econometrics*, *Journal of Business and Economic Statistics*, *Journal of Transportation and Statistics*, *Information Economics and Policy*, *Journal of Productivity Analysis*, *Annals of Public and Cooperative Economics*, *Review for Journal of Economics & Management Strategy*, *Annale d'Economie et de Statistique*, *Revue Economique*, *Economie et Prévision*, ...

### **Conference organization and programme committee**

International Transportation Economics Association, Chair of the Scientific Committee, Oslo, 2015 et Santiago 2016.

International Transportation Economics Association, Organization of Conference and School, Toulouse, 2014.

Conference "L'Homme et la Société face aux défis des changements climatiques", Paris, 22-23 Septembre 2008, organized with the Présidence Française de l'Union Européenne.

Conference "Knowledge for Growth : European Strategies in the Global Economy", Toulouse, 7-9 Juillet 2008, organized with the Présidence Française de l'Union Européenne.

CEPR School on Applied Industrial Organization, 2004-2014.

CEPR Annual Conference on Applied Industrial Organization, 1999-2014.

Annual Conference on Railroad Industry Structure, Competition and Investment, Toulouse, since 2003. First Workshop on Competition Policy in International Markets, Toulouse, 2003.

Econometric Society European Meeting and European Economic Association Meeting, Toulouse, 1997.

Conference on the Econometrics of Imperfect Competition, Toulouse, 1992.

Programme Committee: ESEM-EEA 2002-2004, 2011; EARIE 2002, 2004, 2008.

## **GRANTS**

ANR - POLICRE - " Politique de la concurrence, marchés publics et régulation : de la théorie à la pratique "

COEURE (Cooperation on European Research in Economics) Coordination Action, funded by the European Commission's FP7 SSH Programme,

## **PRIZE**

Best paper in Transport Economics and Finance at the World Conference on Transport Research Society, Shanghai, July 2016 (Eliciting the Regulation of an Economic System: The Case of the French Rail Industry, co-authored with Jerome Pouyet.

## **INVITED LECTURES**

RIDGE (Research Institute for Development, Growth and Economics), November 2017, *Efficiency Analysis for Competition and regulation Policy*.

Université d'été de l'Ecole des Ingénieurs de la Ville de Paris, September 2017, *Outils numériques et économie de la mobilité*.

15<sup>th</sup> European Workshop on Efficiency and Productivity Analysis, London (University of Loughborough), June 2017; *Efficiency Analysis for Competition and Regulation Policy*.

Universidad del Rosario, Bogota, May 2017, Nuevos Enfoques en Economía Contemporánea, *Economic Efficiency and Political Capture in Public Service Contracts*.

Economic Seminar, Directorate General FISMA (Financial Stability, Financial Services and Capital Markets Union), January 2017, *Is the French Life Insurance Industry Competitive?*

Competition Advocacy Workshop – European Bank for Reconstruction and Development (EBRD) and Georgian Competition Agency, Tbilisi, December 2016, *Competition Policy and Economic Growth*.

2nd Meeting on Transport Economics and Infrastructure, University of Barcelona, January 2016, *Economics of Public Service Contracts*.

8<sup>th</sup> Regulatory Studies Forum, Rio de Janeiro, November 27, 2014, *Competition and Regulation Policy for Local Public Transport Services*

ChinaGoAbroad, Beijing, December 4, 2014, *Competition and Competitiveness of the EU Economy*.

Russian Railways Conference, Moscow, May 20, 2013, *Railroad Industry Structure, Competition and Investment: In Theory and Practice*.

Instituto de Pesquisa Econômica Aplicada, Regulatory Studies Forum, Rio de Janeiro – November 13, 2009, *The Effectiveness of Competition Policy : In Theory and in Practice*.

CPRC/JFTC Symposium, Tokyo, Mars 2008, *The Effectiveness of Competition Policy : In Theory and in Practice*.

University of Auckland, Auckland, Mars 2006, *Empirical Methods for Competition Policy*.

Dutch Competition Authority, The Haag, Novembre 2004, *Empirical Analysis of Mergers under the New Guidelines: Lessons from the Hachette/Editis Case*.

Hellenic Competition Commission, Athens, Mai 2004, *Empirical Methods for Competition Policy*.

Competition Commission, London, Avril 2004, *Empirical Methods for Competition Policy*.

30th Annual Conference of the European Association for Research in Industrial Economics, Helsinki, 2003, *Empirical Methods for Competition Policy*.

Convegno nazionale 2001 Odissea nel mercato, Rome, *Regulatory and Policy Issues in European and French Public Transit Systems*.

5th Congress on the Economics of Telecommunications and Information Technologies, Madrid, 2001, *Pricing Telecommunications: An Econometric Implementation*.

U.S. DOT, Washington DC, 1999, *Econometric Analysis of Rail and Highway Agency Costs*.

## DOCTORATE STUDENTS

Jérôme Foncel, *Analyse micro-économétrique des marchés à produits différenciés*, 1997.

Philippe Gagnepain, *Efficacité, incitations et réglementation/économétrie des contrats de transports urbains*, 1998.

Séverine Dautremont, *Econométrie des contrats de défense*, 2001.

Simona Fabrizi, *Essays on Competition in Telecommunications*, 2003.

Szabolcs Lorincz, *Essays on Empirical Industrial Organization*, 2006.

Catherine Vibes, *Effects of the Liberalization in the European Railway Industry*, 2007.

Adriana Perez, *Regulation and Competition in Network Industries: An Empirical Analysis*, 2008.

Jrissy Motis, *Essays in the Quantitative Analysis of Competition*, 2010.

Thibault Larger, *Trois essais sur la différenciation des produits*, 2011.

Miguel Urdanoz, *Essais sur les régulations économiques du secteur du transport*, 2011.

Daniel Coublucq, *Essays in Empirical Industrial Organization with Applications to the US rail industry*, 2012.

Marco Antonio Batarce Moreno, *Essays on industrial organization of urban transportation*, 2012.

Miguel Angel Alcobendas Lisboa, *Essays on the Economics of the Airline Industry*, 2013.

Aleksandra Khimich, *Essays in Competition Policy*, 2013.

Nicolas Dupuis, *Essays in Industrial Organization*, 2015.

Vicente Lagos, *Essays on the Economics and Competition Assessment of Mergers*, 2016



## PUBLICATIONS

### Books

- Economics without Borders*, co-editors: T. Blundell, E. Cantillon, B. Chizzolini, W. Leininger, L. Matyas, R. Marimon, F. Steen, Cambridge University Press, 2017.
- A Structural Analysis of Expectation Formation Based on Business Surveys of French Manufacturing Industry*, Springer-Verlag, 1991.
- Microeconometrics: Surveys and Applications*, co-editors: J.P. Florens, J.J. Laffont and F. Laisney, Blackwell, pp. 347-367, 1990.

### Publications in

<b>Applied Industrial Organization</b>	<b>page 4</b>
<b>Competition Economics</b>	<b>page 5</b>
<b>Transport Economics</b>	<b>page 7</b>

## APPLIED INDUSTRIAL ORGANIZATION

### Articles

- The Static-Dynamic Efficiency Trade-off in the US Rail Freight Industry: Assessment of an Open Access Policy*, co-authors: D. Coublucq and G. McCullough, Review of Network Economics, forthcoming, 2019. <https://www.degruyter.com/view/j/rne.ahead-of-print/rne-2018-0009/rne-2018-0009.xml>
- The Differentiated Effect of Advertising on Readership: Evidence from a Two-Sided Market Approach*, co-author : C. Muller-Vives, Marketing Letters, September 2018, Volume 29, Issue 3, pp 363–376.
- Economic efficiency and political capture in public service contracts*, co-author: P. Gagnepain, Journal of Industrial Economics, vol 65, n° 1, March 2017, p. 1-38.
- The Cost of Contract Renegotiation: Evidence from the Local Public Sector*, co-authors: P. Gagnepain and D. Martimort, American Economic Review, 103(6), 2013, p2352-83.
- Econometric Modeling of Holding and Usage of Differentiated Products: An Application to Telephones*, co-author: J. Foncel, Annales d’Economie et de Statistiques, N° 89, 2008.
- Introduction to the Special Issue on the Econometrics of Auctions*, co-authors: P. Dubois and T. Magnac, Journal of Applied Econometrics, vol. 23, n° 7, november 2008, p. 867-869.
- The Market of Academic Journals: Empirical Evidence from Data on French Libraries*, co-authors: P. Dubois et A. Hernandez-Perez, Journal of the European Economic Association, vol. 5, n. 2, avril-mai 2007, p. 390-399.
- Operating System Prices in the Home PC Market*, co-author: J. Foncel, Journal of Industrial Economics, 53:2, 265-298, 2005.
- Telecommunications Demand and Pricing Structure: An Econometric Analysis*, co-authors: M. Aldebert and C. Roucolle, Telecommunication Systems, 25:1,2, 89-115, 2004.
- Incentive Regulatory Policies: The Case of Public Transit Systems in France*, co-author: P. Gagnepain, Rand Journal of Economics, 33:4, 1-25, 2002.
- Branching and Competition in the European Banking Industry*, co-authors: B. Chizzolini and V. Cerasi, Applied Economics, 34, pp. 2213-2225, 2002.
- Stochastic Frontiers and Asymmetric Information Models*, co-author: P. Gagnepain, Journal of Productivity Analysis, 18:2, 145-159, 2002.
- Asymétries d'information et richesse immatérielle de l'entreprise*, co-author: P. Gagnepain, Revue Française d'Economie, 16:3, 129-153, 2002.
- An Individual Choice Model of Energy Mix*, co-author: A. Bousquet, Resources and Energy Economics, 20, 263-286, 1998.
- Risk Sharing in Licensing*, co-authors: A. Bousquet, H. Cremer and M. Wolkowicz, International Journal of Industrial Organization, 16, 535-554, 1998.
- Optimal Pricing of Telephone Usage: An Econometric Implementation*, co-author: A. Bousquet, Information Economics and Policy, 9, 219-239, 1997.

- Econométrie de la Concurrence Imparfaite sur les Marchés à Produits Différenciés*, co-auteur: J. Foncel, *Revue Economique*, 47, pp. 447-486, 1996.
- Comparing Fourier and Translog Specifications of Multiproduct Technology: Evidence from an Incomplete Panel of French Farmers*, co-authors: N. Ladoux, H. Ossard and M. Simioni, *Journal of Applied Econometrics*, 11, pp. 649-667, 1996.
- Real-Time Pricing of Electricity of Residential Customers: Econometric Analysis of an Experiment*, co-authors: C. Aubin, D. Fougère and E. Husson, *Journal of Applied Econometrics*, 10, pp. S171-S191, 1995.
- The Diffusion of Telephone in Spain*, co-authors: J.P. Florens and S. Larribeau, *Revista Española de Economía*, 12, pp. 3-34, 1995.
- Licence de Brevet et de Partage du risque : Résultats de Simulation*, co-authors: A. Bousquet, H. Crémer and M. Wolkowicz, *Annales des Télécommunications*, 50, pp. 297-305, 1995.
- Productive Efficiency of French Grain Producers: A Latent Variable Model*, co-authors: I. Perrigne and M. Simioni, *Journal of Productivity Analysis*, 5, pp. 287-299, 1994.
- Rent Extraction and Incentives in Recent Regulatory Proposals*, co-authors: F. Gasmi and J.J. Laffont, *Journal of Regulatory Economics*, 6, pp. 151-176, 1994.
- Competition under Nonlinear Pricing*, co-author: D. Martimort, *Annales d'Economie et de Statistique*, 34, pp. 71-115, 1994.
- Estimation of Errors-in-latent-variable Models on Business Survey Data*, *Computational Statistics and Data Analysis*, 13, pp. 307-318, 1992.
- Survey Evidence on the Rationality of Expectations*, *Journal of Applied Econometrics*, 7, pp. 225-241, 1992.
- Système de régressions empilées et panel incomplet : un tour d'horizon*, co-author: M. Simioni, *Economie et Prévision*, 4, 1992.
- Efficiency and Productivity in the French Telecommunications Industry*, *Communications et Stratégies*, 3, pp. 35-55, 1991.
- La demande d'énergie des industries laitières : une analyse microéconomique*, co-authors: A. Bousquet and N. Ladoux, *Economie et Prévision*, 91, pp. 75-90, 1990.
- La forme flexible de Fourier : Une évaluation sur données macro-économiques*, co-authors: J-G. Devezeaux de Lavergne and N. Ladoux, *Annales d'Economie et de Statistique*, , 17, pp. 121-144, 1990.
- Etudes Sectorielles : Présentation générale*, *Economie et Prévision*, 91, pp.3-8, 1989.

### **Other articles**

- Mobile Transactions: Through the Window of the Two-Sided-Platforms Approach*, co-authors: A. Amelio and B. Bjembissi, *The Transformational Potential of M-Transactions in The Policy Paper Series*, N° 6, 43-48, July 2007.
- Fonction de Production*, in *Le Dictionnaire des Sciences Economiques*, in C. Jessua, C. Labrousse et D. Vitry (editeurs), PUF, Paris, 2001.

### **Working papers**

- Advertising Competition in the Free-to-air Television Broadcasting Industry*, co-author: Jiekai Zhang, *CEPR Discussion Paper 10762*, 2015.
- An Empirical Analysis of Cellular Demand in South Africa*, co-authors: F. Gasmi and L. Recuero Virto, *TSE working paper, n°09-091*, September 2009.

## **COMPETITION ECONOMICS**

### **Articles**

- The Static-Dynamic Efficiency Trade-off in the US Rail Freight Industry: Assessment of an Open Access Policy*, co-authors: D. Coublucq and G. McCullough, *Review of Network Economics*, forthcoming, 2019. <https://www.degruyter.com/view/j/rne.ahead-of-print/rne-2018-0009/rne-2018-0009.xml>

- A Test of the Impact of Mergers on Bank Competition*, co-authors: V. Cerasi and B. Chizzolini, *Economic Notes*, 2019, 1-27.
- Competition For Versus In the Market of Long-Distance Passenger Rail Services*, co-authors: Frédéric Cherbonnier, Catherine Muller-Vibes and Karine Van Der Straeten, *Review of Network Economics*, *Review of Network Economics*, 2018, vol. 16, no. 2, pp. 203-238
- Assessment of Post-merger Coordinated Effects: Characterization by Simulations*, co-author: V. Lagos, *International Journal of Industrial Organization*, 53, July 2017, 267-305.
- Evaluation of the Risks of Collective Dominance in the Audit Industry in France*, co-authors: O. Billard and S. Mitraïlle, *European Competition Journal*, Vol. 7, n° 2, August 2011, p. 349-378.
- Implementation of Relevant Market Tests in Antitrust Policy: Application to Computer Servers*, co-author: S. Lorincz, *The Review of Law & Economics*, Vol. 7, Issue 1, 2011, p.31-73.
- Quantifying the Effects from Horizontal Mergers in European Competition Policy*, co-author: F. Verboven, *International Journal of Industrial Organization*, vol. 23, n° 9, December 2005, p. 669-691.
- Quantifying the Effects from Horizontal Mergers: Comments on the Underlying Assumptions*, co-author: F. Verboven, *International Journal of Industrial Organization*, vol. 23, n° 9, December 2005, p. 699-702.

### **Contributions to books**

- Cartel Damages to the Economy: An Assessment for Developing Countries*, co-authors: Frederic Jenny and Aleksandra Khimich, in Frédéric Jenny and Yannis Katsoulacos (editors), *Competition Law Enforcement in the BRICS and in Developing Countries*, Springer, 2016.
- Merger Analysis and Public Transport Service Contracts*, co-authors: P. Gagnepain and C. Latgé-Roucolle, in Thomas K; Cheng, Ioannis Lianos and D. Daniel Sokol (editors), *Competition and the State*, Stanford University Press, 2014.
- Testing for the Presence of a Maverick in the French Audit Industry*, co-authors: S. Mitraïlle and C. Müller-Vibes, in Joseph E. Harrington Jr., Johns and Yannis Katsoulacos (editors), *Recent Advances in the Analysis of Competition Policy and Regulation*, Edward Elgar Publishing, 2012.
- Análise Da Eficácia Da Defesa Da Concorrência*, in Lucia Helena Salgado e Eduardo Fiuza Marcos (editors), *Regulatórios no Brasil – Revendo o Papel do Estado após a Crise Financeira*, pp. 187-205, 2010.
- A Merger in the Insurance Industry: much easier to measure unilateral effects than expected*, co-author: C. Gollier, in Bruce Lyons (editor), *Cases in European Competition Policy*, Cambridge: Cambridge University Press, 2009.
- Market Definition in Printed Media Industries : Theory, Practice and Lessons for Broadcasting*, co-author: E. Argentesi, in Paul Seabright and Juergen von Hagen (editors.), *The Economic Regulation of Broadcasting Markets*, Cambridge University Press, 2007
- European Competition Policy in International Markets*, co-author Olivier Bertrand, in André Sapir (editor), *Fragmented Power: Europe and the Global Economy*, Bruegel Books, 2007
- Mergers and the New Guidelines: Lessons from Hachette-Editis*, in P.A.G. Van Bergeijk and E. Kloosterhuis (editors), *Modelling European Mergers: Theory, Competition and Case Studies*, 2005.
- The Economics of Tacit Collusion in Merger Analysis*, co-authors: Bruno Jullien, Patrick Rey, Paul Seabright and Jean Tirole, in Vivek Ghosal and Johan Stennek (editors), *The Political Economy of Antitrust*, Chapter 8, 2007.
- The Significant Impediment of Effective Competition Test in the New European Merger Regulation: In Theory and Practice*, co-authors: Jérôme Foncel and Valérie Rabassa, in Vivek Ghosal and Johan Stennek (editors), *The Political Economy of Antitrust*, Chapter 13, 2007.

### **Reports**

- Mesure du degré de concurrence sur le marché de l'assurance-vie en France*, co-author: Philippe Gagnepain, 2014.
- Towards Guidelines for Efficiency Analysis in Mergers and Antitrust Cases*, co-author Aleksandra Khimich, Report to Regional Competition Center for Latin America, May 2014.

*Competitive Assessment of Cooperative Agreements in Transatlantic Airline Markets*, co-authors: Olivier Armantier, Philippe Gagnepain, Jérôme Pouyet, Raquel Sampaio, Miguel Urdanoz, Catherine Vibes, Study No COMP/2008/F1/009, European Commission – DG Competition, September 2009.

*The Industrial Organization of Local Bus Services: A Survey of Economic Evidence*, co-authors: P. Gagnepain and C. Vibes, Report for the Competition Commission, U.K., September 2010.

*The Economics of Tacit Collusion*, co-authors: B. Jullien, P. Rey, P. Seabright and J. Tirole, Report for DG Competition, European Commission, March 2003

*The Economics of Unilateral Effects*, co-authors: B. Jullien, P. Rey, P. Seabright and J. Tirole, Report for DG Competition, European Commission, November 2003.

### **Working papers**

*Advertising Competition in the Free-to-air Television Broadcasting Industry*, co-author: Jiekai Zhang, CEPR Discussion Paper 10762, 2015.

### **Work in progress**

*Assessing the accuracy of merger guidelines' screening tools*, co-authors: Jérôme Foncel and Aleksandra Khimich, 2013.

*Competitive Assessment of an Oligopolistic Market Open to International Trade with Incomplete Data*, co-author: Chantal Latgé-Roucolle, 2011.

*Unsophisticated Assessment of the Impact of a Merger in the French Retail Banking Industry*, 2011.

*Competitive Analysis and Network Effects in the Management of Concession Contracts*, co-authors: P. Gagnepain and C. Latgé-Roucolle, 2011.

*Quantitative Evaluation of Impacts of Anti-trust Practices: A Roadmap*, co-author: C. Latgé-Roucolle, 2011.

## **TRANSPORT ECONOMICS**

### **Articles**

*The Static-Dynamic Efficiency Trade-off in the US Rail Freight Industry: Assessment of an Open Access Policy*, co-authors: D. Coublucq and G. McCullough, Review of Network Economics, forthcoming, 2019. <https://www.degruyter.com/view/j/rne.ahead-of-print/rne-2018-0009/rne-2018-0009.xml>

*Competition For Versus In the Market of Long-Distance Passenger Rail Services*, co-authors: Frédéric Cherbonnier, Catherine Muller-Vibes and Karine Van Der Straeten, Review of Network Economics, Review of Network Economics, 2018, vol. 16, no. 2, pp. 203-238

*Competitive impact of the air ticket levy on the European airline market*, co-author: Tuba Toru-Delibası, Transport Policy, Available online 2 March 2018, <https://www.sciencedirect.com/science/article/pii/S0967070X17300331>.

*Eliciting the Regulation of an Economic System: The Case of the French Rail Industry*, co-author: J. Pouyet, Transport Policy, Vol 62, February 2018, p. 21-30.

*Economic efficiency and political capture in public service contracts*, , co-author: P. Gagnepain, Journal of Industrial Economics, vol 65, n° 1, March 2017, p. 1-38.

*Urban Travel Demand Model with Endogenous Congestion*, co-author: Marco Batarce, Transportation Research Part A: Policy and Practice, 59 (2014), 331-345.

*The Cost of Contract Renegotiation: Evidence from the Local Public Sector*, co-authors: P. Gagnepain and D. Martimort, American Economic Review, 103(6), 2013, p2352-83.

*Elasticités de la demande : Définitions, mesures et perspectives pour le transport ferroviaire*, co-author: Jerome Pouyet, Revue Générale des Chemins de Fer, n° 208, Septembre 2011, p. 36-50.

*Note sur l'Impact d'une Taxe sur le Transport Ferroviaire*, co-author: J. Pouyet, Transport, n°463, 2010, p.284-290.

*Railway (De)Regulation: A European Efficiency Comparison*, co-authors: G. Friebel and C. Vibes, , Economica, 2010, 77, p 77-91.

- Renégociation de contrats dans l'industrie du transport urbain en France*, co-authors: P. Gagnepain and D. Martimort, *Revue Economique*, Volume 60, n° 4, 2009.
- Price Competition in the Intercity Passenger Transport Market: a Simulation Model*, co-author: C. Vibes, *Journal of Transport Economics and Policy*, Volume 42, Part. 2, May 2008.
- Subadditivity Tests for Network Separation with an Application to U.S. Railroads*, co-author: G. McCullough, *Review of Network Economics*, Vol. 7, Issue 1, March 2008.
- Railroad Pricing and Revenue-To-Cost Margins in The Post-Staggers Era*, *Railroad Economics*, co-author G. McCullough, *Research in Transportation Economics*, Vol. 20, 153-178, 2007.
- Incentive Regulatory Policies: The Case of Public Transit Systems in France*, co-auteur: P. Gagnepain, *Rand Journal of Economics*, 33:4, 1-25, 2002.
- Density and Integration Effects on Class I U.S. Freight Railroads*, co-author : G. J. McCullough, *Journal of Regulatory Economics*, 19:2, pp. 161-182, 2001.

### Other articles

- Restructuring Railways: In Theory and Practice*, CESifo DICE Report 4, 4-9, 2005.

### Contributions to books

- La gouvernance des méga projets d'infrastructure: Que dit l'analyse économique ?* co-auteurs: F. Bloch et P. Gagnepain, in Prager J.C, *Le Grand Paris Express, les enjeux économiques et urbains*, *Economica*, janvier 2019.
- La commande publique: que dit la théorie des contrats et des incitations*, co-auteurs: F. Bloch et P. Gagnepain, in Prager J.C, *Le Grand Paris Express, les enjeux économiques et urbains*, *Economica*, janvier 2019.
- Outils numériques et économie de la mobilité*, in Bernard Landau et Youssef Diab (éditeurs), *Le nouveau monde de la mobilité*, Press des Ponts, 2018.
- Merger Analysis and Public Transport Service Contracts*, co-authors: P. Gagnepain and C. Latgé-Roucolle, in Thomas K; Cheng, Ioannis Lianos and D. Daniel Sokol (editors), *Competition and the State*, Stanford University Press, 2014.
- Are Airports Two-sided Platforms? A Methodological Approach*, co-authors: S. Sokullu and T. Toru, in James Peoples (Editor), *Pricing Behavior and Non-Price Characteristics in the Airline Industry*, Emerald Group Publishing, 2012.
- The Industrial Organization of Competition in Local Bus Services* co-authors: P. Gagnepain and C. Müller-Vibes, in A. De Palma, R. Lindsey, E. Quinet and R. Vickerman, *Handbook of Transport Economics*, forthcoming, Edward Elgar 2011.
- Analyse Coût-Bénéfice dans un contexte de concurrence intermodale et intramodale*, co-author: C. Vibes, in G. Brun, *Le Calcul Economique, Collection Méthodes et Approches*, *Economica*, 2007.

### Reports

- Ouvrir la grande vitesse ferroviaire à la concurrence*, co-auteurs: Frédéric Cherbonnier, Catherine Muller-Vibes and karien Van Der Straeten, Juin 2018, [http://13xy.mj.am/nl2/13xy/ly6t2.html?m=AHwAAEuLTOMAAAAAAAAAAEDRZ7sAALN4\\_I\\_AAAAAAHFvgBbK4CXBj3Xo656STCc16umAGOJvOABsl8&b=60a15e48&e=00b570d0&x=W8FkCcsTCcvQx6TkOYZ\\_XgUtzEa-FRIaFKHy8jN2\\_Ew](http://13xy.mj.am/nl2/13xy/ly6t2.html?m=AHwAAEuLTOMAAAAAAAAAAEDRZ7sAALN4_I_AAAAAAHFvgBbK4CXBj3Xo656STCc16umAGOJvOABsl8&b=60a15e48&e=00b570d0&x=W8FkCcsTCcvQx6TkOYZ_XgUtzEa-FRIaFKHy8jN2_Ew).
- Individual Electric Mobility: Pioneering concepts, first experiences, future challenges*, co-authors: E. Quinet and E. Windish, April 2011.
- La mobilité électrique personnelle : Concepts pionniers, premiers expériences, et futurs défis*, co-auteurs: E. Quinet and E. Windish, Avril 2011.
- Elasticités de la Demande de Transport Ferroviaire: Définitions et mesures*, co-auteurs : J. Pouyet et M. Urdanoz, Rapport IDEI, Décembre 2010.
- The Economics of Passenger Rail Transport. A Survey*, supervised by Paul Seabright, IDEI Report #1 On Passenger Rail Transport, January 2003.
- Entry in the Passenger Rail Industry: A Theoretical Investigation*, co-authors: E. Billette De Villemeur and J. Pouyet, IDEI Report #2 On Passenger Rail Transport, May 2003.

*Railway (De)Regulation: A European Efficiency Comparison*”, co-authors: G. Friebel and C. Vibes, IDEI Report #3 On Passenger Rail Transport, Novembre 2003.  
*Intermodal and Intramodal Competition in the Long-Haul Passenger Transport Market*, co-author: C. Vibes, IDEI Report #4 On Passenger Rail Transport, September 2005.

### **Working papers**

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