

Edmond BARANES  
Curriculum Vitae

## Personal Data

<b>Citizenship</b>	French
<b>Marital status</b>	Married, three children
<b>Address</b>	Faculté d'Economie, Université de Montpellier, Rue Raymond Dugrand, CS 79606, 34960 Montpellier, Cedex 2, France
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## Education

Ph.D (Economics) University of Paris I Panthéon-Sorbonne, supervisor Pr. Anne Perrot, 1996  
Master of Economics, University of Paris I Panthéon-Sorbonne, 1991

## Academic Positions

- Professor of Economics (2001-), University of Montpellier
- Professor of Economics (1998-2001), University of Artois
- Associate Professor (1997-1998), University of Franche-Comté
- Research Fellow (1995-1997), University of Paris I Panthéon-Sorbonne

## Visiting positions and Invitations

- Renewable and Sustainable Energy Institute, National Renewable Energy Laboratory & University of Colorado at Boulder (February and July 2013)
- University of Colorado at Boulder, Department of Economics (Feb.-Aug. 2012, April 2014, April 2017)
- Université Laval, Department of Economics, Québec (March 2016)

## Professional Activity

Member of the *LABEX Entrepreneurship*, 2011-  
Member of the Editorial Secretariat of *Communications & Strategies*, IDATE, 2012-2017  
Editor, *Communications & Strategies*, IDATE, 2002-2010  
Scientific Committee member, EURO CPR, ENCIP, 2002-2017  
Scientific Committee member, Annales des Mines, Enjeux numérique/digital issues, 2018-  
Laboratory of Industrial Organization, CREST-INSEE, 2000-2001  
EUREQua, University of Paris I Panthéon-Sorbonne, 1997-2000

## Research interests

- Digital economics
- Energy economics
- Competition Policy and Regulation

## Publications

### Journals

1. 'Competitive Strategy of Proprietary Software Firms in an Open Source Environment', with Cuong H. Vuong and M. Zeroukhi, *Review of Economic Research on Copyright Issues*, vol. 17(1), 38-59, 2020.
2. 'Access Prices, Unbundling and Product Variety in European Internet Markets', with S. Savage, *Applied Economics*, vol. 50, Issue 60, pp. 6576-6587, 2018.
3. 'Non-renewable and intermittent renewable energy sources: friends and foes?', with J. Jacqmin and J.C. Poudou, *Energy Policy*, 11, 58-67, 2017.
4. 'Mobile access charges and collusion under asymmetry', with S. Behringer and J.C. Poudou, *Annales d'Économie et de Statistique*, n°127, 33-60, 2017.
5. 'Mixed Bundling May Hinder Collusion', with M. Podesta and J.C. Poudou, *Research in Economics*, 70(4), 638-658, 2016.
6. 'Les défis posés par l'économie numérique aux politiques de concurrence', avec A. Cosnita-Langlais, *Réalités industrielles, Annales des Mines*, août 2016.
7. 'La neutralité de l'Internet et ses effets sur les incitations à investir', with J.C. Poudou, *Revue Economique*, 67, 153-170, 2016.
8. 'Competition between health maintenance organizations and nonintegrated health insurance markets', with D. Bardey, *Health Economics Review*, 2015.
9. 'The Interplay between network investment and content quality in the Internet', *Information Economics and Policy*, Vol.28, September 2014.
10. 'Access to natural gas storage facilities: strategic and regulation issues', with F. Mirabel and J.C. Poudou, *Energy Economics*, 41: 19-32, 2014.
11. 'Prospects for European Shale Gas', with M. Bazilian and A. Pedersen, *International Shale Gas and Oil Journal*, Vol. 1, April 2013.
12. 'Considering Shale Gas in Europe', with M. Bazilian and A. Pedersen, *The European Energy Journal*, Vol. 3, Issue 1, January, 2013.
13. 'Competition with asymmetric regulation of mobile termination charges', with C. Vuong, *Journal of Regulatory Economics*, 42: 204-222, 2012.
14. 'Collusion sustainability with multimarket contacts: revisiting HHI tests', with J.C. Poudou and F. Mirabel, *Theoretical Economics Letters*, 2(3), 307-315, 2012.
15. 'How does European termination rate regulation impact mobile operators performance?', with C. Vuong and L. Benzioni, *Review of European Economic Policy*, Vol. 46, n°6 November/December, 2011.
16. 'Ex-ante asymmetric regulation and retail market competition: Evidences from the Europe's mobile industry', with C. Vuong, *Technology & Investment*, Vol.2, n°4, November 2011.
17. 'Interactions Between Network Operators, Content Providers and Internet Intermediaries: Empirical Implications of Network Neutrality', with Antonin Arlandis, *Review of European Economic Policy*, Vol 46, N°2, March/April 2011.
18. 'Cost-based access regulation and collusion in a differentiated duopoly', with J.C. Poudou, *Economics Letters*, 106, p172-176, 2010.
19. 'Bundling and collusion in communications markets', *International Journal of Management and Networks Economics*, 2010.
20. 'Competition in Networks with Call Externalities', with L. Flochel, *Journal of Regulatory Economics*, 34:53-74, 2008.
21. 'Strategic Access to Storage and Competition in Gas', *Actualité Economique de Montréal*, 2007.
22. 'Horizontal Mergers in Internet', *Economie et Prévision*, n° 178-179, 2-3, 2007.
23. 'Concurrence et stockage stratégique dans le secteur gazier', with F. Mirabel and JC Poudou, *Economie et Prévision*, n° 178-179, 2-3, 2007.
24. 'Les logiciels libres : Un tour d'horizon des questions économiques', *Review of AIST*, July, 2007.
25. 'Energie et politique de la concurrence : Quels liens entre concentration des marchés et collusion ?', with F. Mirabel and J.C. Poudou, *La Revue de l'Energie*, 2007.
26. 'Storage and Competition in gas market', avec F. Mirabel et J.C. Poudou, *Economics Bulletin*, vol. 12, 2005.
27. 'An Economic Guide to Local Loop Unbundling', with M. Bourreau, *Communications & Strategies*, n°57, 2005.
28. 'Analysis of the vertical structure in the European gas industry', with F. Mirabel et J.C. Poudou, *Energy Studies Review*, vol.12, n°1, Fall, 2003.
29. 'Why are technological spillovers spatially bounded?', with J.P. Tropeano, *Regional Science and Urban Economics*, vol. 33, Issue 4, July, 2003.
30. 'The Relationship between Research, Innovation and Growth: Introduction', *Communications & Strategies*, Issue 48, 2002.
31. 'The Relevant Market for Television: The French Case', with D. Encaoua, *Communications & Strategies*, Issue 47, 2002.

32. 'Will Broadband Lead to a More Competitive Access Market?', with Y. Gassot, *Communications & Strategies*, Issue 46, 2002.
33. 'Network Interconnection and Infrastructure Quality as a barrier to entry', with L. Flochel, *Recherches Economiques de Louvain*, n°1, vol.65, 1999.
34. 'Regulation and Networks Liberalization: The Case of Telecommunications', *Revue Française d'Economie*, vol. XIII, 4, 1998.
35. 'Networks Externalities, Technological Adoptions and Vertical Restraints : A survey', *Revue d'Economie Politique*, n°108, September 1998.
36. 'Open Network and Telecommunications', with M.H. Jeanneret, *Revue Economique*, November 1996.
37. 'Network Interconnection, Quality and Competition', with L. Flochel, *Revue Economique*, May 1996.

### Chapters in Books

38. 'QoS investment, vertical integration and regulation of the Internet', with C. Vuong, in *Applied Economics in Digital Era*, Edited by J. Alleman, P. N. Rappoport, M. Hamoudia, Palgrave Macmillan, 2020.
39. 'Multisided markets and platform dominance', with J. Alleman and P. Rappoport, in *Applied Economics in Digital Era*, Edited by J. Alleman, P. N. Rappoport, M. Hamoudia, Palgrave Macmillan, 2020.
40. 'Neutralité du net', in *Régulation des communications électroniques*, ('Net Neutrality', in *Regulation of Telecommunications in France*), Editions Lavoisier, Hermès, 2016.
41. 'Policy implications of asymmetric termination rate regulation in Europe', in *Regulation performance of communication and information networks*, Edited by G. Faulhaber, G. Madden and J. Petchey, Edward Elgar, 2012.
42. 'Vertical Relationships and Horizontal Mergers in Internet', with T. Cortade, *The Economics of Digital Markets*, Ed. G. Madden, Edward Elgar, 2009.
43. 'Natural gas storage and market power', *The Economics of Natural Gas Storage*, with F. Mirabel and J.C. Poudou, 2009.

### Other publications

44. 'No need to envy the French for their Internet', TechPolicyDaily.com, December 9, 2014.
45. 'Lessons from Europe – Regulating the Internet as a Utility Would be a Mistake', InsideSources, July 29, 2014.
46. 'Learn from Europe's mistakes in crafting telecommunications laws for the future', op-ed in the *Washington Examiner*, May, 2014.
47. 'Stockage du gaz : une réglementation à revoir', *La Tribune*, April, 2014.
48. 'Des énergies renouvelables bien trop polluantes', *Les Echos*, February 2013.
49. 'Pour ou contre le gaz de schistes ?', *Les Echos*, February 2011.
50. 'Quelle justification économique du double seuil en parts de marché ?', *Journal des sociétés*, July 2010.
51. 'Commerce parallèle de médicaments : Inflexion de la jurisprudence ?' *Pharmaceutiques*, March/April 2010.
52. 'Réseaux de soins agréés : Quels effets sur la concurrence ?', *Pharmaceutiques*, January, 2010.
53. 'Donnez envie de télécharger légalement', with W. Maxwell, *Les Echos*, November 2009.
54. 'Open innovation: Introduction', with D. Lescop, G. Madden and X. Yan, *Communications & Strategies*, n°74, 2<sup>nd</sup> quarter 2009.
55. 'Un divorce risqué dans le gaz', with F. Mirabel and J.C. Poudou, *LesEchos*, November, 2008.
56. 'Concurrence : faire les bons choix', with F. Mirabel and J.C. Poudou, *Le Monde*, April, 2007.
57. 'Et si demain les Français achetaient leur gaz directement à Gazprom ? », with F. Mirabel and J.C. Poudou, *LesEchos*, March, 2007.
58. 'Interview with Philippe Busquin, European Commissioner for Research', with Y. Gassot, *Communications & Strategies*, Issue 47, 2002.

### Working Papers and works in progress

59. 'Utility Tokens, Investment Incentives, and Time Inconsistency', with U. Hege and J.H. Kim, mimeo, 2019.
60. 'Merger control in two-sided markets: Is there need for an efficiency defense?', with T. Cortade and A. Cosnita-Langlais, January 2019.
61. 'Multi-sided Markets & Antitrust', with J. Alleman, February 2019.
62. 'Quality of service investment and vertical integration in the Internet', with Cuong Vuong, February 2019.
63. 'Investment decision and regulation in the Internet', with Cuong Vuong, November 2018.
64. 'Horizontal Mergers between Asymmetric Firms and Investment', mimeo, October 2018.
65. 'Initial coins offering in a two-sided market model', with Kim Jin-Hyuk, mimeo, September 2018

66. 'GDPR: Short Run Outputs vs. Long Term Welfare. Mapping the EU's General Data Protection Regulation to Best Practices for Online Privacy', with Roslyn Layton, April 2017.
67. 'International roaming regulation and competition in domestic markets', mimeo, May 2017.
68. 'Regulation, Market Structure and Product Variety: Evidence from Broadband Internet', with Scott Savage, May, 2017.
69. 'Modeling Modularity in the Digital Economy: Strategic moves toward convergence'', with Jonathan Libeneau et Silvia E. Calderwood, mimeo, January 2014.
70. 'The Competitive/Cooperative Dynamic between Natural Gas and Renewable Energy', with Kevin Doran and Adam Reed, May, 2013.
71. 'Persuasive advertising in the pharmaceutical industry and prescription', with D. Bardey, mimeo, 2009.

## **Selected Conference Presentations**

Eastern Economic Association, 45<sup>th</sup> Annual Conference, February 2019; 15<sup>th</sup> Annual International Industrial Organization Conference, Boston, April 2017 ITS, International Telecommunications Society, 24<sup>th</sup> European Regional Conference, October 2013, Florence, Italy; TPRC, Telecommunications Policy Research Conference, September 2013, George Mason University School of Law, Arlington, Virginia; ICT Conference TELECOM Paristech – Ecole Polytechnique, Paris, October 2012; SMi Conferences, Gas Storage, London, June 2012; EuroCPR, March 2010, Brussels; International Telecommunications Society, 4<sup>th</sup> Africa-Asia-Australia Regional Conference, 2009, Perth; European Association for Research in Industrial Economics, Slovenia, 2009; The 36<sup>th</sup> Research Conference on Communication, Information, and Internet Policy (TPRC), Arlington, 2008; International Telecommunications Society, Africa-Asia-Australia Regional Conference, 2008, Perth; Royal Economic Society 2004; THOR-GDF Conference, Paris, 2004; 3rd European Congress on Economics and Management of Energy in Industry, Lisbonne, 2004; Congrès de l'AFSE, Paris, september 2003; THOR-GDF Conference, Paris, 2003 ; 30<sup>th</sup> Annual conference of the European Association for Research in Industrial Economics, Helsinki, august 2003; Journées de Microéconomie Appliquée, Montpellier, juin 2003; European Economic Association, Bolzano, august 2000; European Association for Research in Industrial Economics, Lausanne, september 2000; European Meeting of the Econometric Society, Santiago de Compostela, 1999; Journées de Microéconomie Appliquée, Marrakech, may 1997 ; Ecole de printemps d'Economie Internationale et d'Economie Industrielle, Marseille, may 1998 ; International Telecommunications Society, Stockholm, june 1998; European Economic Association, Istanbul, august 1996 ; International Telecommunications Society, Vienne, september 1996 ; Journées de Microéconomie Appliquée, Liège, june 1996 ; Congrès de l'AFSE, Paris, september 1995; Journées de Microéconomie Appliquée, Clermont-Ferrand, june 1995 ; Journée de l'AFSE, Nantes, june 1995 ; Ecole de printemps d'Economie Internationale et d'Economie Industrielle, University Aix-Marseille III, may 1995.