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Jacques Crémer

Curriculum Vitae

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Personal Data

Born in Hyères, France, May 18, 1949

French citizen

Married, three children

Education

Ingénieur diplômé de l'Ecole Polytechnique, 1970

M.S. Management, Massachusetts Institute of Technology, 1973

Ph. D. Economics, Massachusetts Institute of Technology, 1977

Regular Positions

Stagiaire de Recherche, Ecole Polytechnique, 1976-1978

Assistant Professor of Economics, University of Pennsylvania, 1978-1984

Associate Professor of Economics, V.P.I. & S.U., 1983-1985

Professor of Economics, V.P.I. & S.U., 1988-1989

(Director of Graduate Studies, V.P.I. & S.U., 1984-1989)

Directeur de Recherche au CNRS, GREMAQ, Université des Sciences Sociales
de Toulouse, 1991-2004.

Professor, Ecole Polytechnique, 1996 - 2003.

Director of the Institut d'Economie Industrielle, 2002 – 2007.

Scientific Director, Toulouse School of Economics, 2011-2014

Other Positions

Research Associate, Center for Policy Alternatives, MIT, 1973-1975
Consultant, World Bank, 1976
Chercheur visitant, Ecole Polytechnique, Paris, 1985-1986
Visiting Professor, ESSEC, 1985
Visiting Professor, Université de Paris I (Sorbonne), 1986
Visiting Professor, Université de Paris IX (Dauphine), 1986
Visiting Professor, Université de Toulouse, 1990-1991
Visiting Professor, Université d'Aix-Marseille, 1991
Adjunct Professor of Economics, Virginia Polytechnic Institute & State University, 1992-1995
Adjunct Director of the GREMAQ, Université des Sciences Sociales de Toulouse, 1999-
Director of the Ecole Doctorale de Sciences Economiques, Université des Sciences Sociales de Toulouse, 1995-2000
Director of Research, Institut d'Economie Industrielle, Toulouse, 1991-
Visiting Professor of Economics, Northwestern University, 2001-2002
Visiting Professor, University of Southampton, 1995-2002
Visiting Professor, University of Maryland, Fall 2007
Visiting Professor, University of Hong Kong 2008-2012 (12 months, total)

Editorial Positions

Member, Editorial Board, *Journal of Comparative Economics*, 1989-1991
Associate Editor, International Journal of Industrial Organization, 1993-2002
Member, Editorial Board, *Annales d'Economie et de Statistiques*, 1993-
Member, Editorial Board, *Mathematical Social Sciences*, 1994-2002
Associate Editor, *Rand Journal of Economics*, 1995-2002
Associate Editor, *European Economic Review*, 1997-2002
Member of the Editorial Board, *Journal of Economic Literature*, 2001-2003
Editor, *Rand Journal of Economics*, 2002-2003
Member, Conseil Scientifique, *Communications & Sociétés*, 2005-2010
Member, International Editorial Board, *Communications & Sociétés*, 2010-2011
Associate Editor, *ACM Transactions on Economics and Computation*, 2012-
Advisory Editor, *Games and Economic Behavior*, 2014-

Grants and Awards

Summer Research Fellowship, University of Pennsylvania, Summer 1979.
Principal Investigator, National Science Foundation Grant # SES-8408942, "Two Frameworks for the Theory of Organizations: Overlapping Games & Multiparty Contrat", 15/11/84-30/4/87.
Principal Investigator, National Science Foundation Grant # SES-8722014, "Economic

Theory and Corporate Culture”, 15/2 88-31/7/90.
Excellence in Teaching Award 1988-89, Virginia Tech Economics Club.
“1991 Scholar Award in Economics”, Virginia Social Sciences Association.
Research Fellow of the Centre for Economic Policy Research (1993-)
Fellow of the Econometric Society (1992).
Member of the Council of the Econometric Society, 2000-2005, 2009-2014
Member of the Council de la European Economic Association, 2005-2009
Regular columnist in the French Daily *Les Echos* (in part in collaboration with Christian Gollier), 2007-2011.
Member of the Scientific Council of the Department “Humanities and Social Sciences” of the CNRS, 2008-2010.
Member of the Scientific Council of the Institute for Humanities and the Social Sciences INSHS) of the CNRS, 2010-2014.
Director, Chaire Jean-Jacques Laffont pour l’Economie Numérique, 2015-2019

Recent Public Policy Bodies

Member, Comité de Prospective de l’ARCEP (French Telecom and Postal regulator), 2009-2013.
Member, Comité d’Orientation de la Nouvelle Licence, 2011-2012
Member, Mission Champsaur "sur la transition vers les réseaux à très haut débit et l’extinction du réseau de cuivre", 2013-2015.
Member, "Conseil National du Numérique", 2016-2017.
Special Adviser to European Commissioner for Competition Margrethe Vestager focusing on future challenges of digitisation for competition policy, 1 April 2018 - 31 March 2019
Member, Scientific Council of the “Evaluation du plan France très haut débit », 2019 - present

Consulting

Microsoft, Sucre Saint Louis, Intel, Time Warner, GTE.
Affiliate, Analysis Group, 2017-present

Publications

Planning with Non-Decreasing Returns to Scale, unpublished Ph. D. dissertation, MIT, 1975.
Principal Contributor, “National Support for Science and Technology, an Examination of Foreign Experience”, Center for Policy Alternatives, MIT, 1975.
“OPEC and the Monopoly Price of Oil” (with Martin L. Weitzman), *European Economic Review*, 8, 2, August 1976, 155-164. Reprinted in *European Economic Review Half Century Journal*

Issue, Gerard A. Plann, Zvi Eckstein, Esther Gal-Or, Thorvaldur Gylfason and Juergen von Hangen, editors, Elsevier, Amsterdam, 2007, 94-103.

“A Quantity-Quantity Algorithm for Planning Under Increasing Returns to Scale”, *Econometrica*, 45, 6, September 1977, 1339-1348. Reprinted in **The Economics of Increasing Returns**, The International Library of Critical Writings in Economics, Edward Elgar, 1999, Geoffrey M. Heal ed.

“Properties of the Solution Procedure” (with Larry E. Westphal), annex to Chapter 17 “The Allocation Consequences of Interdependence under Increasing Returns to Scale” in **Industrial Investment Analysis under Increasing Returns to Scale**, Soutjesdijk A. and L.E. Westphal, eds., Oxford University Press (for the World Bank).

“Une Analyse Econométrique de l’Effort de Recherche et Développement de l’Industrie Française” (with Marvin Sirbu), *Revue Economique*, 29, 5, September 1978, 940-957.

“A Comment on ‘Decentralized Planning and Increasing Returns’”, *Journal of Economic Theory*, 19, 1, October 1978, 217-221.

“On Hotelling’s Formula and the Use of Permanent Equipment in the Extraction of Natural Resources”, *International Economic Review*, 20, 2, June 1979, 317-324.

“A Partial Theory of the Optimal Organization of a Bureaucracy”, *Bell Journal of Economics*, Autumn 1980, 11, 2, 683-693.

“Prices vs. Quantities in Economics Planning: A Survey”, in **Mathematical Programming and its Economics Applications**, G. Castellani and P. Mazzolini, eds., Angeli, Milano, 1981.

“On the Efficiency of a Chinese-type Point System”, *Journal of Comparative Economics*, 6, 4, December 1982, 343-352.

“A Simple Proof of Blackwell’s “Comparison of Experiments” Theorem”, *Journal of Economic Theory*, 27, 2, August 1982, 439-443.

“The Discrete Heal Process with Intermediate Goods”, *Review of Economic Studies*, L, 2, April 1983, 383-391.

“The Interdependence of Investment Decisions’ Revisited” (with Larry E. Westphal), in **Economic Structure and Performance, Essays in Honor of Hollis B. Chenery**, M. Syrquin, L. Taylor, and L. Westphal, eds., Academic Press, 1984, 543-572.

“The Economics of Repeat Buying”, *The Rand Journal of Economics*, 15, 3, Autumn 1984, 396-403.

“A Sequential Solution to the Public Goods Problem” (with Mike Riordan), *Econometrica*, 53, 1, January 1985, 77-84.

“Optimal Selling Strategies under Uncertainty for a Discriminating Monopolist when Demands are Interdependent” (with Richard P. McLean), *Econometrica*, 53, 2, March 1985. Reprinted in *The Economic Theory of Auctions*, Paul Klemperer ed., E. Elgar, 2000.

- “Review of ‘Tinbergen Lectures on Organizational Theory’” by Martin J. Beckmann, *Journal of Economic Literature*, XXIII, 3, September 1985, 1235-1236.
- “Cooperation in Ongoing Organizations”, *Quarterly Journal of Economics*, 101, 1, February 1986, 33-49.
- “Halte aux Manipulations Rhétoriques !”, *Annales des Mines*, série Gérer et Comprendre, number 4, September 1986, 63-64.
- “On Governing Multilateral Transactions with Bilateral Contracts” (with Mike Riordan), *The Rand Journal of Economics*, 18, 3, Autumn 1987, 436-451.
- “Review of ‘Multicountry Investment Analysis’ by B.M. Mennes and A. Stoutjesdijk”, *Journal of Development Economics*, 26, 2, August 1987, 419-422.
- “Auctions with Contingent Payments: A Comment”, *American Economic Review*, 77, 4, September 1987, 746.
- “Full Extraction of the Surplus in Bayesian and Dominant Strategy Auctions” (with Richard P. McLean), *Econometrica*, 56, 6, November 1988, 1247-1258.
- “Deux Procédures de Planification pour Toutes Economies” in **Mélanges en l’honneur d’Edmond Malinvaud**, Economica, Paris, 1988, English translation: “Two Planning Procedures for all Economies” in **Essays in Honor of Edmond Malinvaud**, vol 1, Microeconomics, Champsaur et al, eds., MIT Press, Cambridge, 1990.
- “Common knowledge and the coordination of economic activities” in **The Firm as a Nexus of Contracts**, M. Aoki, B. Gustafsoon, and O. Williamson, eds., European Sage, 1989.
- “The Rise and Fall of Oil Prices: A Competitive View” (with Djavald Salehi-Isfahani), *Annales d’Economie et de Statistiques*, no 15/16, July-December 1989, 427-454.
- “Incentives and the Existence of Pareto-Optimal Revelation Mechanisms” (with Claude d’Aspremont and Louis-André Gérard-Varet), *Journal of Economic Theory*, 51, 2, August 1990, 233-254.
- “Contrats et Marchés” (with Claude d’Aspremont et Louis-André Gérard-Varet), in **Encyclopédie Economique**, X. Greffe, J. Mairesse, and J.L. Reiffers, eds., Economica, Paris 1990.
- Models of the Oil Market**, with Djalal Salehi-Isfahani, Harwood Academic Publishers, Postrasse, 1991.
- “How should you do Sensitivity Analysis?” in **Theoretical Foundations of Development Planning**, Shri Bhagwan Dahiya, ed., Vedam Books International, New Delhi, 1991.
- “Review of ‘Microeconomic Theory’ by David M. Kreps” *Managerial and Decision Economics*, 13, 1, 85–86, 1992
- “Duopoly with Employee Controlled and Profit Maximizing Firms: Some General Results” (with Helmuth Cremer), *Journal of Comparative Economics*, 16, 1, March 1992, 241-258.

“Gathering information before signing a contract” (with Fahad Khalil), *American Economic Review*, 82, 3, June 1992, 566-578.

“Mécanismes Bayésiens incitatifs: un survol informel de quelques résultats récents” (with C. d’Aspremont and L.A. Gérard-Varet), *Annales d’Economie et Statistiques*, 25/26, January/June 1992, 151-164.

“Corporate Culture: Cognitive Aspects”, *Industrial and Corporate Change*, 3, 2, 1993, 351-386.

“Employee Control and Oligopoly in a Free Market Economy” (with Helmuth Cremer), *Annales d’Economie et de Statistiques*, 33, January/March 1994, 29-50.

“L’apport des théories économiques récentes à la planification indicative” (with Helmuth Cremer), *Revue Economique*, numéro hors série, 1994, 57-74.

Making Sense of Subsidiarity: How much centralization for Europe? (with D. Begg, J.P. Danthine, J. Edwards, V. Grilli, D. Neven, P. Seabright, H.-W. Sinn, A. Venables, C. Wyplosz), Center for Economic Policy Research, Londres, 1993.

“Gathering information before the contract if offered: The case with two states of nature” (with Fahad Khalil), *European Economic Review*, 38, 1994, 675-682.

“The Value of Large Extensive Form Games”, *Games and Economic Behavior*, 7, 1994, 309-317.

“Intégration verticale: vers un guide pour le praticien”, *Revue d’Economie Industrielle*, numéro hors série, “Economie Industrielle: Développements récents”, 1995, 193-214.

“Manipulation by Coalition Under Asymmetric Information : The Case of Groves, Mechanisms”, *Games and Economic Behavior*, 1996, 13, 39-73.

“Arm’s Length Relationships”, *Quarterly Journal of Economics*, CX, 2, 1995, 275-296.

“Towards an economic theory of incentives in Just in Time manufacturing”, *European Economic Review*, 1995, 39, 432-439.

“Comment on Edward P. Lazear, ‘Corporate Culture and the Diffusion of Values’”, pp. 134-140, in **Trends in Business Organization: Do Participation and Cooperation Increase Competitiveness?**, Siebert, Horst, ed. J.C.B; Mohr (Paul Siebeck), Tübingen, 1995.

“In or Out? Centralization by Majority Vote” (with Tom Palfrey), *European Economic Review*, 1996, 40, 43-60.

“Decentralizing Public Services: what can we learn from the Theory of the Firm?” (with Antonio Estache and Paul Seabright), *Revue d’Economie Politique*, 1996, 106, 37-60. Reprinted in **Recent Developments in Urban and Regional Economics**, Paul C Cheschire and Gilles Duranton, eds., 2004, Edward Elgar Publishing Ltd.

“L’information dans la théorie des organisations”, in **Economie de l’information : les enseignements de la théorie économique**, ed. Pascal Petit, La Découverte, Paris, 1998, 277-292.

- “Contracts and productive information gathering” (with Fahad Khalil and Jean-Charles Rochet), *Games and Economic Behavior*, 1998, 25, 2, 174-193.
- “Strategic information gathering before a contract is offered” (with Fahad Khalil and Jean-Charles Rochet), *Journal of Economic Theory*, 1998, 81, 163-200.
- “L’ouverture de l’Université sur l’extérieur : une expérience à l’Université des Sciences Sociales” (with Jean-Jacques Laffont and Jean Tirole), *PCM Le Pont*, 1998,10, 33-35.
- “Political Confederation” (with Thomas R. Palfrey), *American Political Science Review*, 1999, 93, 1, 69-83.
- “Can JIT be an Element of Quality Management ?” (with Christophe Bernard), *Wirtschaftspolitische Blätter*, 1999, 1-2.
- “Unique implementation in auctions and in public goods problems” (with Claude d’Aspremont and Louis-André Gérard-Varet), in **Social Organization and Mechanism Design**, Proceedings of the Second Francqui Colloquium, 10-11 June 1996, Brussels, De Boeck Université Brussels, Claude d’Aspremont (Ed.), 2, 263-278.
- “The pricing of critical applications in the Internet” (with Cyril Hariton), *Journal of the Japanese and the International Economy*, 1999, vol. 13, 281-310.
- “Federal mandates by popular demand” (with Thomas R. Palfrey), *Journal of Political Economy*, 2000, vol. 108, 5, 905-27.
- “Network externalities and Universal Service Obligation in the Internet”, *European Economic Review*, 2000, vol. 44, 1021-1031.
- “Connectivity in the Commercial Internet” (with Patrick Rey and Jean Tirole), *Journal of Industrial Economics*, 2000, vol. 48, 433-472.
- “Some Reflections on Open Source Software” (with Eloi Peyrache and Jean Tirole), *Communications & Stratégies*, 2000, vol. 40, 139-160.
- “Regulating the Internet?” in **Regulation of Network Utilities : The European Experience**, Claude Henry, Michel Matheu and Alain Jeunemaître, eds, Oxford University Press, Oxford, 2001.
- “Critique des procédures d’attribution des licences de téléphonie mobile” (with Jean-Jacques Laffont), *Commentaires*, 2001, n° 93.
- “Public policy towards the Internet and development”, *Trade and Industry Monitor*, December 2001, vol. 20, pp. 2-8.
- “Federal Mandates with Local Agenda Setters” (with Thomas R. Palfrey), *Review of Economic Design*, 2002, vol. 20, pp. 279-296.
- “Correlation, independence, and Bayesian incentives” (with Claude d’Aspremont and Louis-André Gérard-Varet), *Social Choice and Welfare*, 2003, vol. 21, 2, 281-310.
- “Balanced Bayesian mechanisms” (avec Claude d’Aspremont et Louis-André Gérard-Varet), *Journal of Economic Theory*, 2004, vol. 115, 2, 385-396.

- “Quelques éléments d’économie du logiciel libre” (with Alexandre Gaudeul), *Réseaux*, 2004, vol 22/124, pp. 111-139.
- “Le retour à la régulation ordinaire au sortir de la crise” in **Les risques de régulation**, vol. 3, Dalloz et Presses de Sciences-Po, coll. “Thèmes et commentaires”, série “Droit et économie de la régulation”, 2005, pp. 59-65
- “Unique Implementation in Auctions and in Public Goods Problems” (with Claude d’Aspremont et Louis-André Gérard-Varet), *Economie publique*, n° 17, 2005, pp 125-139.
- “Optimal Search Auctions with Correlated Bidder Types” (with Yossi Spiegel and Charles Z. Zheng), October 2006, *Economics Letters*, vol. 93, Issue 1, 94-100.
- “An equilibrium voting model of federal standards with externalities” (with Thomas R. Palfrey), November 2006, *Journal of Public Economics*, vol. 90, 10-11, pp. 2091-2106.
- “Language and the Theory of the Firm” (with Luis Garicano and Andrea Prat), February 2007, *Quarterly Journal of Economics*, vol. 122, n° 1, 373-407.
- “Optimal Search Auctions” (with Yossi Spiegel and Charles Z. Zheng), 2007, *Journal of Economic Theory*, vol. 134, 226-248.
- “Les frontières de l’entreprise”, February 2008, *Economie et Statistique*, n° 405-406, 3-11.
- “Auctions with Costly Information Acquisition” (with Yossi Spiegel and Charles Z. Zheng), January 2009, *Economic Theory*, vol. 38, n°1, 41-72.
- “Risk Sharing, CEO Incentives, and Quality Differentiation in Agricultural Cooperatives: Discussion”, 2009, *American Journal of Agricultural Economics*, vol. 91, n° 5, 1233-1234.
- “Arm’s length relationships without moral hazard”, April-May 2010, *Journal of the European Economic Association*, vol. 8, 2-3, 377-387.
- “Solving the ‘selective intervention’ puzzle”, 1er – 2ème trimestre 2010, *Revue d’Économie Industrielle*, n° 129-130, 43-56.
- “Equilibria in an infinite horizon game with an incumbent, entry and switching costs”, (with Gary Biglaiser), March 2011, *International Journal of Economic Theory* (special issue in honor of Jim Friedman), vol. 7, 1, 65-75.
- “Switching Costs and Network Effects in Competition Policy” (with Gary Biglaiser), 2012, in **Recent Advances In The Analysis Of Competition Policy And Regulation**, Joseph E. Harrington Jr and Yannis Katsoulacos, editors, Edward Elgar Publishing, 13-27.
- “The Value of Switching Costs” (with Gary Biglaiser and Gergely Dobos), May 2013, *Journal of Economic Theory*, vol. 148, n°3, pp. 935-952.
- “Heterogeneous switching costs” (with Gary Biglaiser and Gergely Dobos), July 2016, *International Journal of Industrial Organization*, vol. 47, pp. 62-87
- “Incumbency Advantage and its Value” (with Gary Biglaiser and Emilio Calvano), 2019, *Journal of Economics & Management Strategy*, vol. 28, n°1, pp. 41-48.

“Some Remarks on Bayesian Mechanism Design” (with Claude d’Aspremont), 2019, pp. 85-98 in
W. Trockel (ed.), **Social Design: Essays in Memory of Leonid Hurwicz**, Studies in Economic
Design, Springer.

“The value of incumbency for heterogeneous platforms” (with Gary Biglaiser), forthcoming
American Economic Journal: Microeconomics

Work in progress

“Should I stay or should I go? Migrating away from an incumbent platform” with Gary Biglaiser
and André Veiga

“Vertical integration, information flows and the power of incentives”

“A Mechanism Design Approach to Federalism” with Thomas R Palfrey

“Full Surplus Sharing With or Without Free Beliefs” with Claude d’Aspremont