

## C U R R I C U L U M   V I T A E

### PERSONAL DATA

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First Name: Alan  
Family Name: Kirman  
Date of birth: 16 January 1939  
Citizenship: British and French  
Marital Status: Married, 2 children from a first marriage

### ADDRESS

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Office address:  
GREQAM, Bureau 109,  
Faculté de Droit et de Sciences Politiques,  
3, avenue Robert-Schuman  
13628 *Aix-en-Provence*  
France

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e-mail: [alan.kirman@univ-amu.fr](mailto:alan.kirman@univ-amu.fr)

### EDUCATION

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- 1950-1957    Dulwich College (G.B.)
- 1957-1960    Oxford University (Jesus College) B.A. 1960 M.A. 1965
- 1965            Johns Hopkins School of Advanced International Studies, Bologna (Italy) diploma
- 1965-1966    University of Minnesota (USA) First year of graduate studies in economics.
- 1966-1969    Princeton University (USA) Ph. D. 1971: "Optimum tariffs in a general equilibrium model of trade", Princeton University, 1971. Supervisor: Professor H.W. Kuhn.

### DISTINCTIONS

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- 1990            Elected Fellow of the Econometric Society,
- 1995            Membre de l'Institut Universitaire de France
- 1995            Alexander von Humboldt Stiftung prize
- 2003            Chevalier de l'Ordre des Palmes Académiques
- 2004            Fellow of the European Economic Association (EEA)
- 2010            Fondation Urrutia Prize for Economic Diversity

### CURRENT SITUATION

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Professeur émérite de Sciences Économiques at Aix-Marseille University and Directeur d'Études à l'École des

PREVIOUS EMPLOYMENT

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- Sept. 1987 - Professor of Economics at the European University Institute, Florence.  
august 1995
- 1976-79 Professeur de Sciences Economiques à l'Université d'Aix-Marseille II
- 1973-74 Reader in economics Warwick University.
- 1974-76 Professeur of economics Warwick University.
- 1972-73 Professeur Extraordinaire à l'Université Libre de Bruxelles
- 1970-72 Professeur Associé au CORE, Louvain-La-Neuve et Professeur Visiteur à l'Université Libre de Bruxelles
- 1969-70 Assistant Professor at the Johns Hopkins University, Baltimore
- 1969-70 Teaching Fellow, Princeton University
- 1965-66 Teaching Assistant at the University of Minnesota
- 1961-64 Head of the Department of Geography, Ratcliffe College, Leicester
- 1960-61 1960-61 : Schoolmaster at Bedford Modern School, Bedford

OTHER POSTS AND INVITED APPOINTMENTS

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Chercheur invité à l'Ecole Polytechnique, Paris (november-december 1973)

Visitingt Professeur, Universität Bonn (May June 1973; June 1984; June 1985)

Professeur Associé, Université de Marseille-Luminy, 1974-75

Professeur à l'Ecole Nationale de Statistique et Administration Economique, Paris, 1976-84

Professeur à l'Université de Paris IX (DEA), 1977-86

Visiting Professor European University Institute, Florence, September 1984

Visiting Professor, University of Copenhagen, June 1985

"Benjamin Meaker visiting professor", University of Bristol, June and November 1989

Visiting Professor, Institute for Advanced Studies, Vienne, January 1991

Visiting Professor, Santa Fe Institute, New Mexico, 1993, 1994, 1995, 1996, 1997, 2010,2011,2012,2013,2014, 2015

Visiting Professor, Universite de Paris X, December 1994

Visiting Professor, University College London, 1996,1997,1998, 1999, 2000

Visiting Professor, Humboldt University, Berlin, 1997, 1998

Visiting Professor, University of Bolzano, 1998, 1999

Visiting Professor, Humboldt University, Berlin, 1998

Visiting Professor, University of New South Wales, Sydney, Australia, 1998

Visiting Professor, University of Ancona, 2003

Chaire franco-italienne, Scuola Superiore Sant'Anna, 2003-2004

Visiting Professor, Humboldt University, Berlin, 1998

Richard B Fisher Member, Institute for Advanced Study, Princeton 2005-2006

Visiting professor, University of Bolzano, 2010

Visiting professor, LUISS University ,Rome 2011, 2014

Visiting professor, Scuola Superiore Sant'Anna Pisa, 2008, 2009, 2010,2011,2010,2013.  
2014, 2015

Visiting professor Collegio Carlo Alberto Torino 2014

Visiting professor University of Strasbourg, 2014, 2015

Visiting professor University of Adelaide 2015

## COURSES TAUGHT

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Microeconomics; General Equilibrium, Economic theory; Mathematical Economics; International Trade Theory; Game Theory; Quantitative Economics; History of Economic Thought; International Financial Economics; Industrial Economics; The Economics of Information; Welfare Economics; Public Economics: Market structure. The Economics of Interaction, Behavioural economics. Complex economics.

## THESES SUPERVISED OR CO-SUPERVISED

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1. Michael Blad "Dynamical models in disequilibrium theory", University of Warwick, 1979.
2. Martine Marciano "Information imparfaite et dispersion des prix sur le marché d'un bien homogène", Université d'Aix-Marseille II, 1979.
3. F. Oguer "Biens collectifs locaux et biens différenciés", Université de Marseille, 1985.

4. Michel Le Breton "Essais sur les Fondements de l'analyse économique de l'inégalité", Université de Rennes 1 1986.
5. Alain Trannoy, University of Rennes 1, "Economic Theory of the Measurement of Inequality", Université de Rennes 1 1986.
6. Robert Jordan "Essais sur la dynamique du déséquilibre", GREQE, January 1987.
7. Robert Kast "Structures mathématiques des processus de décisions économiques dans l'incertain", GREQE, January 1987.
8. Mohamed Nassourou Toure "Etude de la stabilité des équilibres concurrentiels: instabilité du mécanisme de tâtonnement", Université de Paris IX Dauphine, January 1988.
9. Vincent Brousseau "Equilibre de Nash en temps continu, et application à la dynamique des croyances auto-entretenués", EHESS, January 1990.
10. Guy Patrick Mafouta Batsimba "Prix et déséquilibre: formation et dynamique", Université d'Aix-Marseille III, February 1991.
11. Pierluigi Sacco, "Four essays on dynamic evolutionary models in economics and game theory", EUI, March 1993.
12. Nick Vriend, "Essays on decentralized trade", EUI, April 1993.
13. Luciano Pasi, "An essay on some aspects of public goods", EUI, June 1993.
14. Annick Vignes, "Dispersion de prix et marchés décentralisés: le cas du marché au poisson de Marseille", EUI, October 1993.
15. Alain Desdoigts, "Changes in the World Income Distribution: A Non-Parametric Approach to Challenge the Neo-Classical Convergence Argument", EUI, June 1994.
16. Torben Holvad, "Efficiency Evaluations for Hospitals", EUI, September 1994.
17. Aurora García, "Essays on Oligopoly", EUI, October 1994.
18. Frédéric Palomino, "Financial Markets and Market Selection with Imperfect Competition", EUI, October 1994.
19. Isabelle Maret, "Heterogeneity and Aggregation", EUI, November 1994.
20. Alexandra Rauchs, "Option Value and Irreversibility Effect: An Experimental Approach", EUI, February 1995.
21. Ed Hopkins, "Essays on Learning and Evolution", EUI, March 1996.
22. Alfredo Huertas-Rubio, "Exchange Rates, Export Pricing and the Frequency of Price Adjustment, An

- Analysis of Newsstand Prices of Magazines", EUI, June 1996.
23. Esther Hauk, "Breaking Out: Essays on Partner Selection in Prisoner's Dilemma Games", EUI, December 1996.
  24. Paul Pezanis-Christou "Three Essays on Competitive Bidding", EUI, June 1997.
  25. Roger Waldeck, "Prices within Imperfectly Informed Consumers", EUI, June 1997.
  26. Ludger Birkendorf, "Private Lending to Sovereign Countries", October 1997.
  27. Nathalie Schueller, "Pricing Policies and the European Market for Cars", January 1998.
  28. Etienne Billette de Villemeur, "Essays on Consistency in Economic Modelling: Stability of Equilibrium, Behavioural Rationality, Heterogeneity of Preferences", September 1998.
  29. Dorothea Herreiner, Random Matching and Trade Relationships in Decentralized Markets, EUI, 2000.
  30. Giorgio Fagiolo, "Essays on Decentralized Economies with Interacting Agents: Individual Behaviors and Aggregate Dynamics." EUI, 2002.
  31. Christophe Bravard, Formation des réseaux. Une approche par la théorie des jeux évolutionnaires, Université de Saint Etienne, 2002.
  32. Christian de Peretti, Computational Econometrics for the Long Memory in Financial Time Series, Université de la Méditerranée, 2003.
  33. Maude Pelissier, « Evolution et Economie : Metaphore ou Paradigme ? », Université d'Aix-Marseille III, 2003.
  34. Walid Hichri: "Contribution to Public Goods: Theoretical Study and Experimental Evidence," Université d'Aix-Marseille III, 2004.
  35. Miriam Teschl "The Identity of the Economic Agent", Université d'Aix-Marseille III, 2005.
  36. Tilman Hertz, "Le statut des jugements normatifs en économie : Quelques réflexions concernant le cas du développement durable", Université d'Aix-Marseille III 2007
  37. Sonia Moulet, EHESS "Negotiations, information, et formations des prix: le MIN de Marseille" 2008
  38. Sebastien Ille, University of Siena, "A Game Theoretic Approach to the Formation of Groups" 2011
  39. Martha G. Alatraste Contreras EHESS, (codirected with Nobuyuki Hanaki), "Essays on the Structural Properties and Dynamics of the Economic System" 2014

Invited speaker at conferences or seminars at the Universities of: Toulouse, Strasbourg, Grenoble, Lyon, Dijon, Paris II, Paris IX, Paris X, Paris XII, Essex, London School of Economics, Southampton, Warwick, Cambridge, Oxford, Aston, University College London, Madrid, Bilbao, Barcelone, Pise, Bonn, Bruxelles, Louvain, Namur, Amsterdam, Lausanne, Menya (Egypt), MIT, Harvard, Johns Hopkins, Yale, New York University, California at Santa Cruz, Tulane, Rochester, Dartmouth, Michigan, Princeton, Haifa, Copenhagen, Belfast, Dublin, Lisbon, Shanghai, Athens, Prague, Vienna, Geneva, Porto Allegre, Tokyo, Beijing, Hanoi, Columbia, Sydney, Canberra, Tufts, Cornell, Cattolica Milano, Bicocca Milano, LUISS Rome, Princeton, Stanford, Collegio Carlo Alberto Torino, Taipei, Johannesburg, Waseda University Tokyo, Glasgow, Manchester, Helsinki, LSE.

Co-organizer, together with Professor C. Zeeman, of a series of meetings between mathematicians, economists and other social scientists at the University of Warwick, June 1974.

Co-organizer of the UK Study Group in Economic Theory.

Member of the Programme Committee for the European Meetings of the Econometric Society: Helsinki 1976, Vienna 1977, Geneva 1978, Athens 1979, Amsterdam 1981, Dublin 1982, Toulouse 1997.

Member of the Organizing Committee for the International Colloquium on "Systèmes dynamiques et modèles économiques", Luminy, July 1976.

Director of the Summer School in Mathematical Economics, International Center for Theoretical Physics, Trieste, September-October 1978.

Co-organizer of the Southern European Meeting on Theoretical Economics and Econometrics: Luminy 1979, Bilbao 1980, 1981, 1982, 1983, 1984, 1985, Marseille 1986, Madrid 1987.

President of the local organizing committee for the World Congress of the Econometric Society, Aix-en-Provence, 1980.

Co-organizer of the workshop in Mathematical Economics at the University of Essex, 1982.

Co-founder of SEEDS (Southern European Economics Discussion Paper Series) with the Universities of Toulouse, Bilbao, Madrid and Barcelona.

Responsible for the ATP CNRS on "Dynamique du déséquilibre", 1982.

Responsible for the grant from the Commissariat Général du Plan on "Dynamiques, anticipations et échanges d'informations dans les modèles microéconomiques de l'analyse macroéconomique", 1984.

Responsible for the grant from the Commissariat Général du Plan on "Information, communication et planification", 1985.

Responsible for the Erasmus exchange scheme between the Université d'Aix-Marseille, the University of Oxford and the E.U.I., 1988.

Responsible for the grant from the Commissariat Général du Plan on "La Formation des Prix", 1987.

Co-responsible for the project on "The financing of economic research in Europe" (with Michael Emerson, E.E.C.), 1989.

Responsible for S.P.E.S. (Stimulation Plan for Economic Science), A.S.S.E.T. (Association of Southern European Theoretical Economists and Econometricians) project 1989 and for S.P.E.S. project for workshops presenting recent theoretical advances to applied economists.

Member of the Organizing Committee for the Conference on Demography, Florence, December 1988.

Organizer of the ASSET meetings, Florence, October 1989.

Co-organiser, with Mark Salmon, of a conference on Rational Behaviour and Aggregation: Theory and Tests, in the European Workshops series "Applications of recent developments in econometrics and economic theory", Florence, November

Member of the Organizing Committee of the International Conference on Game Theory, Florence, June 1991.

Co-organizer, with Mark Salmon, of a Workshop on Rationality and Learning in Economics, Florence, July 1991.

Co-organizer, with Yves Balasko, of a Workshop on General Equilibrium Theory, Florence, June 1992.

Co-organizer, with Mark Salmon, of a Workshop on Nonlinear Dynamics in Economics, Florence, July 1992.

Co-organiser of European Workshops in Economic Theory, 1993-1997.

Member of the Programme Committee for the Meeting of the Society for the Advancement of Economic Theory, Anatolya, 1997.

Organizer of the ASSET meeting, Marseille, 1997.

Member of the Scientific Committee of the Commission des Operations de la Bourse, Paris, 1993-2002.

Member of the scientific programme committee for the WEHIA meetings from 1997-2004 in Ancona, Genova, Marseille, Maastricht, Trieste, Kiel, Kyoto.

Local Organiser of the Second World Congress of the Game Theory Society, Marseille 2004.

Organiser of the Summer School on Game Theory and its Applications, Bolzano 2005.

Co-leader of EU project, "Complex Markets", STREP with the Universities of Warwick, Amsterdam, Cagliari, and ICTP Trieste. 2005-2008.

"Ineck", Network of Excellence with the universities of Maastricht, Pompeu Fabra Barcelona, Strasbourg, and Alicante.

“Exystence” Network of Excellence with the universities of Jerusalem, Turin, ENS Paris.

## ADMINISTRATIVE RESPONSIBILITIES

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President du Département de Sciences Humaines, Faculté des Sciences de Luminy, 1978-79.

Director of the Research Group in Economie Quantitative et Econométrie (GREQE), U.A. CNRS 04-950, 1982-87. Attaché aux Universités d'Aix-Marseille II et III et à l'Ecole des Hautes Etudes en Sciences Sociales, since 1980.

Organizer of the teaching programme for the License MASS, Université d'Aix-Marseille III.

Director of the doctoral programme of "3ème cycle en Economie Mathématique et Econometrie, DEA et Doctorat", à l'Ecole des Hautes Etudes en Sciences Sociales, Marseille et Université d'Aix-Marseille II et III, 1982-87.

Member of the Comité de Direction du Laboratoire CNRS, le CAMS.

Directeur Fondation Les Treilles, Tourtour, France, 1986

Chairman, Department of Economics, E.U.I., Florence, 1989-90.

Member of the Panel of Economic Policy, 1995-96.

President of the Visiting Committee, Università Bocconi, Milan, Italy

Member of the Scientific Council University of Trento 1999-

Member of the Council of the Centro Di Giorgi, Scuola Normale Superiore di Pisa 2002-

Member of the Founding Committee of the Free University of Bolzano 1998 - 2009

Vice chairman of the Marie Curie selection committee Brussels 2003

Member of the Comité National des Universités, 1999-2003

President of ASSET, (The Association of Southern European Economic Theorists) 2001-2003

Member of the Steering Committee of the Europe de l'Arbois

President of the Association PISTE, 2002-

Member of the “Wise Men Committee”, MTS, Milan, 2003-

Member of the selection committee for projects submitted to the Eu 5th and 6th framework, 2003-2004

Vice President of the Committee for “Projets Blancs” Association Nationale pour la Recherche, 2007-2009

Member of the Organising Committee for the Social Sciences, ANR 2009-

Member of the International Supervisory Committee, Scuola Superiore, Sant'Anna Pisa 2009-

Membre du Comité d'Evaluation de l'Université de Saint Etienne, 2009-

Member of the International selection committee, Austrian National Science Foundation, 2009-



Membre du Comité Sectoriel ANR SHS 2009-2-14

Membre du Jury des Projets d'Avenir 2009

Membre du Directoire de la recherche Aix Marseille Université 2013-

Membre de comite scientifique de l'Alliance ATHENA (SHS)

#### OTHER RESPONSIBILITIES

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Member of the Editorial Board of the Journal of Mathematical Economics 1974-86.

Member of the Committee of the Society for Economic Analysis (the Board of the Review of Economic Studies 1975-85).

Advisory Editor for Textbooks in Advanced Economic Theory, North Holland.

Member of the Editorial Board of Ricerche Economiche. 1992-1996.

Co-Editor, Journal of Economic Behavior and Organization, 2000-2009.

Member of the Panel of Economic Policy for 1995 and 1996.

Member of the Editorial Board of Advances in Complex Systems, 1998 -

Associate Editor, Journal of Economic Dynamics and Control, 1999-

Honorary Editor, Journal of Economic Behavior and Organization, 2010-

Advisory Editor Journal of Economic Interaction and Coordination 2011-

#### REFEREE

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American Economic Review; Economic Journal; Econometrica; Quarterly Journal of Economics; International Economic Review; Journal of Industrial Economics; Journal of Public Economics; European Economic Review; Journal of Mathematical Economics; Review of Economic Studies; Journal of Economic Organization and Behaviour, etc., Physica A.

#### FELLOWSHIPS

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Houblon-Norman Senior Research Fellow, Bank of England, August 1994.

#### RECENT PRESENTATION AT SEMINARS CONFERENCES ETC.

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Keynote speaker European Society for the History of Economic Thought May 30th 2014 "The Complex Routes of Economic Liberalism".

Invited speaker, INET Conference Pullach Germany June 2014 "On the Fragility of Economic Networks"

Invited Speaker Conference France Inde June 12th Marseille " L'économie de l'Inde aujourd'hui, son avenir et ses opportunités

Keynote speaker "The Complex Roots of Macroeconomics" and summer school lecturer "Complex Economics" WEHIA Tianjin University China, June 2014

Invited participant Santa Fe Institute Summer Workshop on Behavioural Economics, July 25th –August 4th 2014,

Society for the Advancement of Economic Theory conference, Tokyo Japan, August 17th -19th 2014 "First Things First: Discovering Sequential Structure".

Keynote speaker Mathematics of Finance Conference Skuzuba South Africa "On the Fragility of Financial Networks" August 23rd to August 30th 2014

Invited speaker AIFMRM conference on Financial Economics after the Financial Crisis, Johannesburg Sept 1st 2014, "The Complex Roots of the Economic and Financial Crisis".

Invited Speaker Eco\*\*2 conference on "Exploring the fundamental links between ecology and economics" London School of Economics Sept 8th to 10th 2014 "Self-organisation in economics: lessons from other disciplines"

Invited Speaker, Research in Behavioural Finance Conference 2014. Erasmus University Rotterdam, 18th - 19th September "The Complex Roots of the Economic and Financial Crisis".

Invited lecturer GENED Meeting at Technische Universität Darmstadt, 3 lectures on Agent Based and Computational Economics. September 28th – 29th 2014

Visiting Professor Collegio Carlo Alberto Torino: course of 12 hours on Complex Economics October 2014

Coorganizer of the Ernst Strungmann Forum on Evolution, Complexity and Economics, Frankfurt February 2015

Invited speaker Bank of England conference March 2015 on 'Revisiting the state of economics education'.

Visiting Professor University of Strasbourg, April 2015 Course on Complex Economics.

Visiting professor University of Adelaide, April-May 2015, Lectures on complex economics

Invited speaker at the Rethinking Economics Conferences Universities of Glasgow and Manchester 2015

Invited Speaker, WEHIA Nice May 2015, Round Table on WEHIA after 20 years.

Invited speaker Association Francaise d'Economie Rennes June 2015. "That is much too unfair! Experimental Evidence and neuroeconomics".

Visiting researcher Santa Fe Institute July 2015

Invited Lecture ENPC Paris, August 2015, "Complex Economics"

Invited speaker Colloque Contre Walras, Paris, September 2015 "Walras' Unfortunate Legacy"

Invited speaker Engelberg Academy, Engelberg, Switzerland October 2015 "The Complex Roots of Economic Liberalism"

Invited speaker RAI school of journalism Perugia, Italy. October 2015 "What should I fear?, Whom can I trust?"

Invited speaker Festival della Scienza Genova Italy, October 2015. "Complexity and Disequilibrium in Economics".

## BOOKS

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1. (with W. Hildenbrand): Introduction to Equilibrium Analysis, North Holland Publishing Co., 1976.
2. (with W. Hildenbrand): Equilibrium Analysis, North Holland Publishing Co., 1988.
3. (with A. Lapied): Microéconomie, P.U.F., Paris, 1991.
4. Co-editor with K. Binmore and P. Tani of Frontiers of Game Theory, M.I.T. Press, 1993.
5. Learning and Rationality in Economics, (co-editor with M. Salmon), Basil Blackwell, 1995.
6. (with M.Dahl), Economic Research in Europe, E.U.I. Monographs in Economics, European University Institute, Florence, 1996.
7. (with M. Dahl), Europeanisation of economic research, European Commission, March 1996
8. Nonlinear Dynamics and Economics, (editor with W A Barnett and M Salmon) Cambridge University Press, Cambridge, 1996.
9. Elements of General Equilibrium Analysis (editor) Basil Blackwell 1998.
10. Economics Beyond the Millennium (editor with L.A. Gerard-Varet), Oxford University Press 1999
11. Beyond the Representative Agent, (Editor with M. Galegatti), Edward Elgar, Oxford, 1999
12. Interaction and Market Structure (Edited with Dominico Delli Gatti, Mauro Gallegati) Springer Verlag, Heidelberg (1999)
13. Economics with Interacting Agents (Edited with J-B Zimmermann), Springer Verlag, Heidelberg (2001)
14. "The Complex Dynamics of Economic Interaction", ed with, Gallegati et Marsili, Springer Verlag, Heidelberg. (2004)
15. "Economics: Complex Windows" edited with Massimo Salzano Springer Verlag, Heidelberg, 2005
16. Long Memory in Economics, edited with Gilles Teyssière, Springer Verlag, Heidelberg, 2006
17. Complex Economics: Individual and Collective Rationality, Routledge, London, 2010
18. Vilfredo Pareto: Il Padre de la Scienza Economica? Luiss University Press Rome 2014

## THESIS

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"Optimum tariffs in a general equilibrium model of trade", Princeton University, 1971. Supervisor: Professor H.W. Kuhn.

#### ARTICLES

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1. (with W. Schmidt), "Key currency burdens. The U.K. case", *National Banking Review*, September 1965.
2. (with L. Tomasini), "A note on convexity", *Metroeconomica*, no. 11, 1968.
3. (with L. Tomasini), "A new look at international income inequalities", *Economia Internazionale*, August 1968 : Cowles Foundation Paper no. 317.
4. (with L. Tomasini), "Teoria delle scelte sociali e relativi concetti", *L'Industria*, no. 2, 1969.
5. "A report on the marine insurance industry", U.S. Department of Commerce, October 1970.
6. Three translations of the works of Pareto, Volterra and Antonelli in *Preferences Utility and Demand*, Chipman et al., Harcourt, Brace & Jovanovitch, 1971.
7. "Distribution of income, social welfare functions and the criterion of consumer surplus: a comment", *European Economic Review*, no. 3, pp. 437-440, 1972; CORE Reprint no. 125.
8. (with D. Sondermann): "Arrow's theorem many agents and invisible dictators", *Journal of Economic Theory*, no. 5 (3), pp. 308-35, 1972.
9. "Trade diverting customs unions: a comment", *Economic Journal*, September 1973.
10. "Réflexions sur la contribution de la théorie économique au problème de resorption de la fraude fiscale", in *L'Exacte Perception de l'Impôt*, M. Frank (ed.), Bruxelles, 1973.
11. (with W. Hildenbrand): "Size removes inequity", *Review of Economic Studies*, no. 40 (3), pp. 305-19, 1973.
12. (with A. Feldman): "Fairness and envy", *American Economic Review*, vol. 64(6), pages 995-1005, 1974.
13. (with M. Sobel): "Dynamic oligopoly with inventories", *Econometrica*, March 1974.
14. (with J.M. Grandmont and W. Neufeind): "A new approach to the uniqueness of equilibrium", *Review of Economic Studies*, 1975.
15. "Learning by firms about demand conditions", in *Adaptive Economics*, R. Day (ed.), Academic Press, 1975.
16. Two articles in *The Economist*, 1976 and 1977.
17. "Measure theory and its applications to economics", in *Handbook of Mathematical Economics*, vol. 1,

- K. Arrow and M. Intriligator (eds.), North Holland, 1981.
18. "Communication in markets: a suggested approach", *Economics Letters*, vol. 12, no. 1, pp.101-8, 1983.
  19. "Mistaken beliefs and resultant equilibria", in *Individual Forecasting and Collective Outcomes*, R. Frydman and E. Phelps (eds.), Cambridge University Press, 1983.
  20. (with L.A. Gérard-Varet and R. Jordan): "Dynamiques, anticipations et échanges d'information dans les modèles microéconomiques de l'analyse macroéconomique". 1) Report for ATP CNRS, April 1982 and 2) Report for the Commissariat Général du Plan, 1984.
  21. (with M. Blad): "L'évolution à long terme d'un modèle d'équilibre with rationnement", *Revue d'Economie Politique*, 6, pp. 795-808, 1985.
  22. "Organisation et communication dans les marchés", *Economie Appliquée*, vol. 38, no. 3/4, 1985.
  23. (with L.A. Gérard-Varet and R. Jordan): "Information, communication et planification", Report for the Commissariat Général du Plan, July 1985.
  24. (with C. Oddou and S. Weber): "Stochastic communication and coalition formation", *Econometrica*, January 1986.
  25. "La communication in économie", *Les Cahiers STS*, Editions du CNRS, Paris, 1986.
  26. (with K. Koch): "Market excess demand functions: identical preferences and collinear indowmints", *Review of Economic Studies*, vol. 53:3, 1986, pp. 457-63.

Articles on :

27. Pareto as an Economic Theorist
28. G. Antonelli
29. Combinatorics in Economics
30. Graph Theory in Economics
31. Atomistic Competition
32. Measure Theory in Economics in *The New Palgrave Dictionary of Economics*, J. Eatwell and P. Newman (eds.), Macmillan, London, 1987.
33. (with L.A. Gérard-Varet and R. Jordan): "Dynamique des stocks et équilibre budgétaire dans un modèle où les prix sont contraints à la baisse", in *Macro-dynamique et Déséquilibre*, J.P. Fitoussi and P.A. Muet (eds.), *Economica*, Paris, 1987, chapter 10.
34. "Economic research and consultancy: the case of Britain and France", *World Economic Herald*, Shanghai, November 1987.
35. "The intrinsic limits of economic theory: the emperor has no clothes", *Economic Journal*, supplement, vol. 99, no. 395, 1989, pp. 126-39.

36. "L'importance des réseaux en économie", *Mathématique et Informatique pour les Sciences Humaines*, 106, 1989, pp. 5-15.
37. "On the instability of Walrasian economics", in *Non-Linear Dynamics in Economics and Social Sciences*, M. Galeotti, L. Geronazzo and F. Gori (eds.), Pitagora Editrice, Bologna, 1989.
38. "La formation des prix", report no. 58/86 for the Commissariat Général du Plan, September 1989.
39. "On the value of game theory", (in Italian) in *La Teoria dei Giochi e La Politica Economica*, L. Spaventa (ed.), Il Mulino, Bologna, 1989.
40. (with N. Schueller): "Price leadership and discrimination in the European car market", *Journal of Industrial Economics*, vol. 34, September 1990.
41. (with A. Vignes): "Price dispersion. Theoretical considerations and empirical evidence from the Marseille fish market", in *Issues in Contemporary Economics*, K.J. Arrow (ed.), Macmillan, London, 1991.
42. Review of Economic Complexity: Chaos Sunspots, Bubbles and Non Linearity, W. Barnett et al (eds.), *Economic Journal*, 1991.
43. "What or whom does the representative individual represent?", *Journal of Economic Perspectives*, vol. 6, 2, (spring 1992), pp. 117-36.
44. (with L.A. Gérard-Varet and R. Jordan): "A model of temporary equilibria with stochastic quantity rationing", in *Economic Decision-Making: Games, Econometrics and Optimisation (Contributions in honour of Jacques H. Drèze)*, J. Gabszewicz, J.F. Richard and L.A. Wolsey (eds.), North Holland, 1990, pp. 33-65.
45. (with L. Reichlin): "L'aide aux pays de l'Est: les leçons du Plan Marshall", *Observations et Diagnostics Economiques*, November 1990 and *A l'Est in Europe*, J.P. Fitoussi (ed.), Fondation Nationale des Sciences Politiques, Paris, 1990.
46. (with N. Schueller): "Market structure, producer costs and location. An alternative view of pricing in the European car market", chapter 5 (pp. 77-104), *International Trade Modelling*, M.G. Dagenais and P.A. Muet (eds.), Chapman & Hall, London, 1992.
47. "Epidemics of opinion and speculative bubbles in financial markets", chapter 17 (pp.354-68) of *Money and Financial Markets*, M. Taylor (ed.), Macmillan, London, 1991.
48. "Information, communication et coordination", *Economie Appliquée*, vol. XLIV, 1, pp. 105-124, 1991.
49. Comment on "Cycles and non-stationary equilibrium search", by C. Fershtman and A. Fishman, in N. Thygesen, K. Velupillai and S. Zambelli (eds.), *Business Cycles: Theories, Evidence and Analysis*, Macmillan, London, 1991.

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