

Andrew Postlewaite

Curriculum Vitae

July 2017

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Current Positions:

Harry P. Kamen Professor of Economics and Professor of Finance, University of Pennsylvania.

Past Positions:

Visiting Professor, Yale University, Spring semester, 2004.
Visiting Professor, Harvard University, Spring semester, 2003, Spring semester 2007.
Visiting Professor, California Institute of Technology, Winter Quarter, 2002.
Visiting Professor, Stanford Business School, 1988-89.
Visiting Professor, Princeton University, 1979-80.
Visiting Assistant Professor, University of California, San Diego, 1976.
Associate Professor of Economics, University of Illinois, 1976-80.
Assistant Professor of Economics, University of Illinois, 1974-76.
Research Fellow, Center for Operations Research and Economics, University of Louvain, Belgium, 1973-1974.

Education:

B.A. Illinois Wesleyan University (Economics), 1965
M.S. DePaul University (Mathematics), 1969
Ph.D. Northwestern University (Applied Mathematics), 1974

Shorter Term Appointments:

Visiting Scholar, Columbia University, April, 2015
Visiting Scholar, Yale University, April, 2009, intermittent 2010-2017.
Visiting Research Associate, Microsoft Research Laboratory, Cambridge, MA, March, June, July, 2009.
Visiting Scholar, Paris School of Economics, intermittent 2007 – 2012.
Visiting Scholar, Princeton University, March, 2008.
Visiting Scholar, University of Paris X, July, 2007.
Visiting Scholar, UCLA, October, 2006, January, 2007.
Visiting Scholar, MIT, March, 2006.
Pierre de Fermat Visiting Professor, University of Toulouse, May-July, 2005, 2006.
Visiting Scholar, Institute for International Economic Studies, Stockholm, Sweden, May, 2003.
Royal Economic Society Easter School, University of Birmingham, April 2002.
European Summer School in Economic Theory, Venice Italy, 2001.
STICERD Visiting Fellow, London School of Economics, March, 1999.
Visiting Scholar, Western Ontario University, March, 1998.
Visiting Scholar, Federal Reserve Bank, Minneapolis, February, 1998.
Visiting Scholar, Federal Reserve Bank, Philadelphia, 1996 – 1997, 2012, 2013.

Visiting Scholar, Tel Aviv University, June, 1995.
Visiting Scholar, Federal Reserve Bank, Minneapolis, August, 1992.
Visiting Scholar, University of Bonn, Bonn, Germany, June, 1992.
Visiting Scholar, European University, Florence, Italy, June, 1992.
Visiting Scholar, Autonomous University of Barcelona, Barcelona, Spain, March 1987.
Visiting Professor, University of Toulouse, Toulouse, France, June 1985.
Visiting Professor, University of Tokyo, Tokyo, Japan, May 1985.
Visiting Professor, Chulalongkorn University, Bangkok, Thailand, December - January, 1984-1993, 1995-99.
Invited Fellow, Institute for Advanced Studies, Hebrew University, Jerusalem, March 1983.
Visiting Professor, Tel Aviv University, January, 1979 and January, 1982.
Visiting Research Associate, Bell Laboratories, Murray Hill, New Jersey, 1978 to 1980 (intermittent).

Editorial Positions

Editor, *AEJ: Microeconomics*, 2007 – 2016.
Associate Editor, *Journal of Economic Theory*, 1981-97, 2005 – 2007.
Associate Editor, *Journal of Games and Economic Behavior*, 1990 – 97, 2006 – 2007.
Coeditor, *Econometrica*, 1997 – 2005.
Guest Editor (with E. Karni), *Journal of Games and Economic Behavior* issue marking David Schmeidler's 65th birthday, 2004.
Guest Editor (with R. Wilson), *Journal of Games and Economic Behavior* Issue in Memory of Robert Rosenthal, 2003.
Guest Editor (with S. Koray), Special issue of *Economic Design* on voting, 2002.
Editor, *International Economic Review*, 1996 – 98.
Editor, Organization Theory and Allocation Processes section of *Fundamentals of Pure and Applied Economics*, Harwood Academic Publishers, 1985 – 1994.

Grants:

National Science Foundation grant, 2016 – 2019, “Uncertainty in Models of Authority and Models of Matching” (with George Mailath).
National Science Foundation grant, 2013 – 2016, “Topics in Matching” (with George Mailath).
National Science Foundation grant, 2010 – 2013, “Topics in Economic Theory” (with George Mailath).
National Science Foundation grant, 2007 – 2010, “The Foundations of Cooperation” (with George Mailath).
National Science Foundation grant, 2006 – 2009, “Learning and Social Efficiency in Large Games” (with A. Kalai and E. Kalai).
National Science Foundation grant, 2004 – 2007, “The Role of Authority and Communication in Cooperation” (with G. Mailath).
National Science Foundation grant, 2001 – 2004, “Authority and Social Assets” (with G. Mailath).
National Science Foundation grant, 1998 – 2001, “Incorporating Social Arrangements into Economic Models” (with G. Mailath).
Co-Principal Investigator (with Masahiro Okuno-Fujiwara), "Theory of Social Norm and Evolution," Japanese Ministry of Education, 1995 – 1998.
National Science Foundation grant, “A General Equilibrium Model Incorporating Social Concerns” 1995 – 99.
National Science Foundation grant, 1992 – 1995 “Asymmetric Information”.
National Science Foundation grant, 1989 – 1992 “Topics in Economic Theory”.
National Science Foundation, grant 1986 – 89, (with R. Kihlstrom) “Studies in the Economic Theory of Asymmetric Information”.
National Science Foundation, grant 1983 – 86, (with R. Kihlstrom) “General Equilibrium Allocation Mechanisms and Risk Aversion”.

Japan Society for the Promotion of Science Grant to visit several Japanese Universities, 1985.
Sloan Foundation grant, 1983-1986.
National Science Foundation, grant, 1980 – 1983 “Studies in the Economic Theory of Asymmetric Information”.
National Science Foundation, grant, 1978 – 1980, (with R. Kihlstrom) “General Equilibrium Theory and the Economics of Uncertainty”.
Summer support, 1977, National Science Foundation.

Honors

Fellow, Game Theory Society, 2017.
Fellow, Society for the Advancement of Economic Theory, 2012.
Jacob Marschak Lecture, Asian Meetings of the Econometric Society, Delhi, India, December 2012.
Robert Rosenthal Memorial Lecture, Boston University, 2010.
Fellow, American Academy of Arts and Sciences, 2006.
Pierre de Fermat Chair (Visiting), University of Toulouse, 2005 – 2006.
Doctor of Humane Letters, Illinois Wesleyan University, 2001.
John Wesley Powell Lecture, Illinois Wesleyan University, 2001.
2001 Koç University Prize for the Best Paper of the Year in Economic Design: “Investment and Concern for Relative Position,” with Harold L. Cole and George Mailath, *Review of Economic Design*, 6 (2001), 241-261.
Elisha Pazner Memorial Lecture, Tel Aviv University, 1986.
Fellow, Econometric Society, 1985.

Professional Service

External Review Committee, Economics Department, Johns Hopkins University, October 2017.
American Economic Association Committee for Oversight of Operations and Publishing, 2013 – present.
Executive Committee, American Economic Association (*ex officio*), 2007 – 2016.
Board of Directors, National Bureau of Economic Research, 1986 – present; Executive Committee, 2006 – 2016.
External Review Committee, Economics Department, University of California, Santa Barbara, March 2009.
Prize Committee, American Economic Association, 2002 – 2008.
Council of the Game Theory Society, 2005 – 2011.
Member, Visiting Committee, Economics Department, Ohio State University, 2006.
Council of the Econometric Society, 2000 – 2005.
Member, Visiting Committee, Economics Department, Rutgers University, 2002.
Member, Visiting Committee, Economics Department, Cornell University, 2001.
Member, Accreditation Committee, Kellogg School of Management, Northwestern University, 2001.
Member, Visiting Committee, Economics Department, University of Minnesota, 1999.
Panel Member, National Science Foundation, Economics Division, 1989 – 1991.
Chair, Visiting Committee, Economics Department, Georgetown University, 1990.
Chair, Economics Department, University of Pennsylvania, 1982-88 and 1991-1996.

Published and Forthcoming Papers in Refereed Journals:

“Memorable Consumption,” (with Itzhak Gilboa and Larry Samuelson), forthcoming, *Journal of Economic Theory*.
“Optimism and Pessimism with Expected Utility,” (with David Dillenberger and Kareen Rozen), forthcoming, *Journal of the European Economic Association*.
“Buying Locally,” (with George Mailath and Larry Samuelson), forthcoming, *International Economic Review*.

“Premuneration Values and Investments in Matching Markets,” (with George Mailath and Larry Samuelson), forthcoming, *Economic Journal*.

“Economics: Between Prediction and Criticism,” (with Itzhak Gilboa, Larry Samuelson and David Schmeidler), forthcoming, *International Economic Review*.

“Laws and Authority,” (with George Mailath and Stephen Morris), forthcoming, *Research in Economics*.

“A Dynamic Non-direct Implementation Mechanism for Interdependent Value Problems,” (with Richard McLean), forthcoming *Games and Economic Behavior*.

“Plausible Cooperation,” (with Olivier Compte), *Games and Economic Behavior* 91 (2015), 45-59.

“Implementation with Interdependent Valuations,” (with Richard McLean), *Theoretical Economics* 10(3) October 2015, 923-952.

“Economic Models as Analogies,” (with Itzhak Gilboa, Larry Samuelson and David Schmeidler), *Economic Journal*, August 2014, 124: F513-F533.

“Robustness of Public Equilibria in Repeated Games with Private Monitoring,” (with Richard McLean and Ichiro Obara), *Journal of Economic Theory* 153 (2014), 191-212.

“Rhetoric and Analogies,” (with Enriqueta Aragonés, Itzhak Gilboa and David Schmeidler), *Research in Economics* 68(1) 2014, 1-10.

“Matching with Incomplete Information,” (with Qingmin Liu, George Mailath and Larry Samuelson), *Econometrica*, Vol. 82, No. 2 (March, 2014), 541–587.

“Pricing and Investments in Matching Markets,” (with George Mailath and Larry Samuelson), *Theoretical Economics*, May 2013, 8 (2): 535-590.

“Information, Liquidity, Asset Prices and Monetary Policy,” (with B. Lester and R. Wright) *Review of Economic Studies*, 79(3) 2012: 1209-1238.

“Rationality of Belief Or: Why Savage's axioms are neither necessary nor sufficient for rationality” (with I. Gilboa and D. Schmeidler), *Synthese*, 187 2012:11-31.

“Rationality and Uncertainty” (with D. Schmeidler), *Rivista Internazionale di Scienze Sociali*, Special Issue on "The Whole Breadth of Reason", 2013.

“Dueling Algorithms (with N. Immorlica, A. Kalai, B. Lucier, A. Moitra and M. Tennenhotz) in *Proceedings of the forty-second annual ACM symposium on Theory of Computing* 2011: 215-224.

“Should Courts Always Enforce What Contracting Parties Write?,” (with L. Anderlini and L. Felli) *Review of Law and Economics*, 7 2011(1), 15-25.

“Social Norms and Social Assets,” *Annual Review of Economics*, Vol 3, 2011: 239-259.

“Information and Liquidity,” (with B. Lester and R. Wright), *Journal of Money, Credit and Banking* 2011, 43: 355-377.

“Is It Always Rational to Satisfy Savage’s Axioms?,” (with I. Gilboa and D. Schmeidler), *Economics and Philosophy*, 2009, 25(3): 285-296.

“Strategic Firms and Endogenous Consumer Emulation,” (with P. Kircher), *Quarterly Journal of Economics*, 2008, 123(2): 621-661.

“Consumption Commitments and Employment Contracts,” (with D. Silverman and L. Samuelson), *Review of Economic Studies*, 2008, 75(2): 559-578.

“Aggregation of Expert Opinions” (with D. Gerardi and R. McLean), *Games and Economic Behavior*, 2008, 65(2): 339-371.

“Probabilities in Economic Modeling” (with I. Gilboa and D. Schmeidler), *Journal of Economic Perspectives*, 2008, 22(3):173-188.

“Reputation and Rhetoric in Elections,” (with E. Aragonés and T. Palfrey), *Journal of the European Economic Association*, 2007, 5: 846-884.

“Courts of Law and Unforeseen Contingencies,” (with L. Anderlini and L. Felli), *Journal of Law, Economics and Organization*, 2007, 23: 662–684.

“Social Assets,” (with G. Mailath), *International Economic Review*, 47 2006: 1057-1091.

“Fact-Free Learning,” (with E. Aragones, I. Gilboa, and D. Schmeidler), *American Economic Review*, 95, 2005: 1355-1368.

“Confidence-Enhanced Performance,” (with O. Compte), *American Economic Review* 94, 2005: 1536-1557.

“Contemporaneous Perfect Epsilon-Equilibria,” (with G. Mailath and L. Samuelson), *Games and Economic Behavior* 53(1), 2005: 126-140.

“Social Isolation and Inequality,” (with D. Silverman), *Journal of Economic Inequality* 3, 2005: 243-262.

“Sunk Investments Lead to Unpredictable Prices,” (with G. Mailath and L. Samuelson), *American Economic Review*, 94, 2004: 896-918.

“The Effect of Adolescent Experience on Labor Market Outcomes: The Case of Height,” (with N. Persico and D. Silverman), *Journal of Political Economy*, 112, 2004: 1019-1053.

“Informational Size and Efficient Auctions,” (with R. McLean), *Review of Economic Studies*, 71, 2004: 809-827.

“Business Strategy, Human Capital and Managerial Incentives,” (with G. Mailath and V. Nocke), *Journal of Economics and Management Strategy*, 13, 2004: 617-633.

“Core Convergence with Asymmetric Information,” (with R. McLean), *Games and Economic Behavior*, 50, 2005: 58-78.

“Informational Size and Incentive Compatibility with Aggregate Uncertainty,” (with R. McLean), *Games and Economic Behavior* 45(2), 2003: 410-433.

“Informational Size, Incentive Compatibility and the Core of a Game with Incomplete Information,” (with R. McLean), *Games and Economic Behavior*, 45(1), 2003: 222-241.

"Ambiguity in Election Games," (with E. Aragones), *Review of Economic Design*, (2002) 7(3): 233-255.

“Informational Size and Incentive Compatibility,” (with R. McLean), *Econometrica*, 70, 2002, 2421-2454.

“Social Arrangements and Economic Behavior," *Annales d' Economie et de Statistique*, 63-64, 2001, pp. 67-87.

“Efficient Non-Contractible Investments in Large Economies,” (with H. Cole and G. Mailath), *Journal of Economic Theory*, 101, 2001, pp. 333-373.

“Investment and Concern for Relative Position,” (with H. Cole and G. Mailath), *Review of Economic Design*, 6, 2001, pp. 241-261.

"Efficient Non-Contractible Investments in a Finite Economy," (with H. Cole and G. Mailath), *Advances in Theoretical Economics*, Vol. 1 [2001], No. 1, Article 2.

“Specialization of Labor and the Distribution of Income,” (with A. Matsui), *Games and Economic Behavior*, 33, 2000, pp. 72-89.

“Relative Income Concerns and the Rise in Married Women's Employment", (with David Neumark), *Journal of Public Economics*, 70, 1998, pp. 157-183.

"Class Systems and the Enforcement of Social Norms, (with H. Cole and G. Mailath), *Journal of Public Economics*, 70, 1998, pp. 5-35.

"Response to 'Aristocratic Equilibrium'," (with H. Cole and G. Mailath), *Journal of Political Economy*, 1995, Vol. 103, pp 439-443.

- "Depth of Knowledge and the Effect of Higher Order Uncertainty," (with Steve Morris and Hyun Shin), *Economic Theory*, 1995, Vol. 6, pp.453-467.
- "Social Norms in Matching Games," (with M. Okuno-Fujiwara), *Games and Economic Behavior*, 1995, Vol. 9, pp.79-109.
- "Exclusivity Clauses and Best Price Policies in Input Markets," (with P. DeGraba), *Journal of Economics and Management Strategy*, 1993, Vol. 1, pp. 423-454.
- "Finite Bubbles with Short Sale Constraints and Asymmetric Information," (with Franklin Allen and Stephen Morris), *Journal of Economic Theory*, 1993, Vol. 61, pp. 206-230.
- "On Belief Based Refinements in Signaling Games," (with G. Mailath and M. Okuno-Fujiwara), *Journal of Economic Theory*, 1993, Vol. 60, pp. 241-276.
- "Social Norms, Savings Behavior and Growth," (with H. Cole and G. Mailath), *Journal of Political Economy*, 1992, Vol. 100, pp. 1092-1126.
Erratum: "Response to "Aristocratic Equilibria"," also with Harold L. Cole and George Mailath, *Journal of Political Economy*, 103 (April 1995), 439-443.
- "Asymptotic Efficiency in Large Exchange Economies with Asymmetric Information," (with F. Gul), *Econometrica*, 1992, Vol. 60, pp. 1273-1292.
- "Refining Cheap-talk Equilibria," (with S. Matthews and M. Okuno-Fujiwara), *Journal of Economic Theory*, 1991, Vol. 55, pp. 247-273.
- "Workers versus Firms: Bargaining over a Firm's Value," (with G. Mailath), *Review of Economic Studies*, 1990, Vol. 57, pp. 368-380.
- "Asymmetric Information Bargaining Problems with Many Agents," (with G. Mailath), *Review of Economic Studies*, 1990, Vol. 57, pp. 351-360.
- "Strategic Information Revelation," (with M. Okuno-Fujiwara and K. Suzumura), *Review of Economic Studies*, 1990, Vol. 57, pp. 25-48.
- "Implementing Constrained Walrasian Equilibria Continuously," (with D. Wettstein), *Review of Economic Studies*, 1989, Vol. 56, pp. 603-612.
- "The Nucleolus in Pure Exchange Economies," (with R. McLean), *Games and Economic Behavior*, 1989, Vol. 1, pp. 131-143.
- "Pre-play Communication in Two-Person Sealed-Bid Double Auctions," (with S. Matthews), *Journal of Economic Theory*, 1989, Vol. 48, pp. 238-263. Reprinted in *Bargaining with Incomplete Information*, P. Linhart, R. Radner, and M. Satterthwaite, eds., New York: Academic Press, 1992.
- "Bank Runs as an Equilibrium Phenomenon," (with X. Vives), *Journal of Political Economy*, June 1987, Vol. 95, No. 3, pp. 485-491.
- "Implementation in Differential Information Economies," (with D. Schmeidler), *Journal of Economic Theory*, June 1986, Vol. 39, No. 1, pp. 14-33.
- "Strategic Behavior and a Notion of Ex-Ante Efficiency in a Voting Model," (with D. Schmeidler), *Journal of Social Choice and Welfare*, Vol. 3, pp. 37-49, 1986.
- "The Economics of Quality Testing and Disclosure," (with S. Matthews), *Rand Journal of Economics*, Vol. 16, No. 3, pp. 328-340, 1985.
- "The Possibility of Harmful Transfers with More than Two Countries," (with M. Webb), *Journal of International Economics*, Vol. 16 (1984) pp. 357-364.
- "Rational Expectations and the Measurement of Stock's Elasticity of Demand," (with F. Allen), *Journal of Finance*, Sept., 1984, Vol. 39, No. 4, pp. 1119-1125.
- "Monopolistic Quantity Rationing," (with V. Bohm, E. Maskin and H. Polemarchakis), *Quarterly Journal of Economics*, 1983 Supplement, Vol. 98 pp. 189-197.
- "Approximate Walrasian Equilibria and Nearby Economies," (with D. Schmeidler), *International Economic Review*, Feb. 1981, Vol. 22, No. 1, pp. 105-111.

- "Expected-Utility-Maximizing Search with Learning," (with R. Harstaad), *Management Science*, Vol. 27, pp 75-80, 1981.
- "Oligopoly and Competition in Large Markets," (with M. Okuno and J. Roberts), *American Economic Review*, March 1980, Vol. 70, No. 1, pp. 22-32.
- "Manipulation Via Endowments," *Review of Economic Studies*, April 1979, Vol. 46, No. 143, pp. 255-263.
- "A Group Incentive Compatible Mechanism yielding Core Allocations," (with E. Kalai and J. Roberts), *Journal of Economic Theory*, Feb. 1979, Vol. 20, No. 1, pp. 13-23.
- "Approximate Efficiency of Non-Walrasian Nash Equilibria," (with D. Schmeidler), *Econometrica*, Jan. 1978, Vol. 46, No. 1, pp. 127-137.
- "Barriers to Trade and Disadvantageous Middlemen: Nonmonotonicity of the Core," (with E. Kalai and J. Roberts), *Journal of Economic Theory*, Oct. 1978, Vol. 19, No. 1, pp. 200-210.
- "Weak Versus Strong Domination in a Market with Indivisible Goods," (with A. Roth), *Journal of Mathematical Economics*, Aug. 1977, Vol. 4, No. 2, pp. 131-139.
- "A Note on the Stability of large Cartels," (with D.J. Roberts), *Econometrica*, Nov. 1977, Vol. 45, No. 8, pp. 1877-1879.
- "Disadvantageous Monopolies and Disadvantageous Endowments," (with J. Dreze and J. Gabszewicz), *Journal of Economic Theory*, Oct. 1977, Vol. 16, No. 1, pp. 116-121.
- "The Incentives for Price-Taking Behavior in Large Exchange Economies," (with D.J. Roberts), *Econometrica*, Jan. 1976, Vol. 44, No. 1, pp. 115-129.
- "Disadvantageous Syndicates," (with R. Rosenthal), *Journal of Economic Theory*, Nov. 1974, Vol. 9, No. 3, pp. 324-326.

Other Papers:

- "Active Courts and Menu Contracts," (with Luca Anderlini and Leonardo Felli). In *Research Handbook on Economic Models of Law*, T.J. Miceli and M. Barker (eds.). Edward Elgar, Aldershot, 2013.
- "Social Norms and Preferences," *Handbook of Social Economics*, edited by J. Benhabib, A. Bisin and M. Jackson; Amsterdam: Elsevier, 2011.
- "Probabilities in Economic Modeling" (with I. Gilboa and D. Schmeidler), *Journal of Economic Perspectives*, 22(3) 2008:173-188.
- "On Price-Taking Behavior in Asymmetric Information Economies," (with R. McLean and J. Peck), in *Essays in Dynamic General Equilibrium: Festschrift for David Cass*, ed. by A. Citanna, J. Donaldson, H. Polemarchakis, P. Siconolfi and S. Spear; Springer: 2005.
- "The Social Context of Economic Decisions," (with G. Mailath), *Journal of the European Economic Association*, 1 (2003), 354-362.
- "The Social Basis of Interdependent Preferences," *European Economic Review*, 1998 (42), pp 779-800.
- "Incorporating Status Concerns in Economic Models," (with H. Cole and G. Mailath), *Quarterly Review of the Minneapolis Federal Reserve Bank*, Fall, 1995.
- "Feasible Implementation of Social Choice Correspondences by Nash Equilibria," (with L. Hurwicz and E. Maskin), in *Essays in Honor of Stanley Reiter*, Kluwer Academic Publishers, 1995; pp 367-433.
- "On Modelling Cheaptalk in Bayesian Games," (with S. Matthews) in *Essays in Honor of Stanley Reiter*, Kluwer Academic Publishers, 1995; pp 347-366.

"Asymmetric Information," in J. Eatwell, M. Milgate and P. Newman, eds., *The New Palgrave Dictionary of Money and Finance* London: Macmillan Press Ltd. (This is a revised and expanded version of the next item).

"Asymmetric Information," in J. Eatwell, M. Milgate and P. Newman, eds., *The New Palgrave: A Dictionary of Theory and Doctrine*, London: Macmillan Press Ltd., 1987.

"Differential Information and Strategic Behavior in Economic Environments: A General Equilibrium Approach," (with D. Schmeidler), Information, Incentives, and Economic Mechanisms: *Essays in Honor of Leonid Hurwicz*, T. Groves, R. Radner and S. Reiter, eds., University of Minnesota Press, Minneapolis, 1987.

"Implementation via Nash Equilibria in Economic Environments," *Social Goals and Social Organization: A Volume in Memory of Elisha Pazner*, L. Hurwicz, D. Schmeidler, and H. Sonnenschein, eds., Cambridge University Press, Cambridge, 1985.

"Experimental Consumption and the 'Rothschild Effect'," (with L.J. Mirman & R. Kihlstrom), in *Bayesian Models in Economic Theory*, M. Boyer and R. Kihlstrom (eds.), Elsevier Science, 1984.

"The Effects of Improved Information in a Principal Agent Model," in *The Economics of Information and Uncertainty*, edited by John McCall, National Bureau of Economic Research, University of Chicago Press, Chicago, 1982.

"Notes on Optimality and Feasibility of Informationally Decentralized Allocation Mechanisms," (with D. Schmeidler), *Game Theory and Related Topics*, Edited by O. Moeschlin, North Holland, 1979.

"Arbitration of Exchange Situations with Public Goods," (with E. Kalai and J. Roberts), in *Applied Game Theory*, Edited by S. Brams, A. Schotter and G. Schwodiauer, Physica-Verlag, Vienna-Wurzburg, 1979.

Consulting:

I occasionally consult through Econsult, a consulting group that specializes in litigation support.