

1/27/2012

**Roy Radner**  
Curriculum Vitae

**1. BIOGRAPHY**

**1.1 Personal Data**

- Born June 29, 1927, Chicago, Illinois
- m. Charlotte V. Kuh
- Children: Hilary A., Erica H. (dec.), Amy E., Ephraim L.
- U. S. Army, 1945-48

**1.2 Education**

- Ph.B. with Honors, University of Chicago, 1945
- B.S., Mathematics, University of Chicago, 1950
- M.S., Mathematics, University of Chicago, 1951
- Ph.D., Mathematical Statistics, University of Chicago, 1956

**1.3 Research and Academic Appointments**

- Research Assistant, Cowles Commission for Research in Economics, U. of Chicago, 1951
- Research Associate, Cowles Commission, University of Chicago, 1951-54
- Assistant Professor, Cowles Commission, University of Chicago, 1954-55
- Assistant Professor, Department of Economics (and staff of Cowles Foundation for Research in Economics), Yale University, 1955-57
- Associate Professor of Economics and Statistics, University of California, Berkeley, 1957-61
- Professor of Economics and Statistics, University of California, Berkeley, 1961-79
- Chairman, Department of Economics, University of California, Berkeley, 1966-69
- Taussig Professor of Economics, Harvard University, 1977-78
- Visiting Professor, Kennedy School of Government, Harvard University, 1978-79
- Member of Technical Staff, AT&T, Bell Laboratories, 1979-1985
- Distinguished Member of Technical Staff, AT&T Bell Laboratories, 1985-95
- Research Professor of Economics, New York University, 1983-95
- Professor of Economics and Information Systems, New York University Stern School of Business, 1995-; Leonard N. Stern School Professor of Business, 1996-; Professor of Environmental Studies, 2007-

**1.4 Fellowships, Honors, etc.**

- William Cook Scholarship, University of Chicago, 1944-45
- Phi Beta Kappa, University of Chicago, 1950
- Fellow, Center for Advanced Study in the Behavioral Sciences, 1955-56
- Guggenheim Foundation Fellow, for study of mathematical theory of organization, 1961-62
- Fellow, Econometric Society, elected 1962
- Guggenheim Foundation Fellow, for research on resource allocation planning and decentralization, 1965-66
- Overseas Fellow, Churchill College, Cambridge, 1969-70, 1990
- Fellow, American Academy of Arts & Sciences, elected, 1970
- Elected to National Academy of Sciences, 1975
- AT&T Bell Laboratories Distinguished Technical Staff Award, 1985
- Distinguished Fellow, American Economic Association, elected 1988
- Fellow, American Association for the Advancement of Science, elected 1989
- Woytinsky Award, U. of Michigan, Ann Arbor, 199

- Laffont Memorial Lecturer, Econometric Society and European Economic Association, Vienna, 2006
- Fellow, Society for the Advancement of Economic Theory, elected 2011

### **1.5 Memberships in Scholarly and Professional Organizations**

- American Academy of Arts and Science
- American Association for the Advancement of Science
- American Economic Association
- Econometric Society (Vice-President 1971-72, President, 1972-73)
- National Academy of Sciences
- Schumpeter Society
- Society For Economic Design
- H.A. Simon Society

### **1.6 Professional Appointments**

- Consultant, Boeing Airplane Company, 1956-57
- Consultant, Kaiser Foundation Psychology Research, 1957-58
- Consultant, Maritime Cargo Transportation Conference, National Academy of Sciences, 1958-60
- Consultant, The RAND Corporation, 1959-70
- Associate Editor, *Management Science*, 1959-70
- Associate Editor, *Econometrica*, 1961-68
- Consultant, Societe d'Economie et de Mathematique, Appliquees (Society for Economics and Applied Mathematics), 1961-1962
- Consultant, System Development Corporation, 1962-1965
- The Institute of Management Sciences, Vice President - Member Activities, 1962-65
- Consultant, Committee on Utilization of Scientific and Engineering Manpower, National Academy of Sciences, 1962-63
- Economics Advisory Panel, National Science Foundation, 1963-65
- Policy Committee, Contra Costa County Project for Economics Education Curriculum Dev. & In-Service Training of Teachers, 1964-65
- Consultant, *Mathematica*, 1956-66
- Technical Advisory Committee, Carnegie Commission on the Future of Higher Education, 1967-73
- Consultant on econometric models of higher education, Carnegie Commission on the Future of Higher Education, 1967-73
- Committee on the Status of Teaching Assistants, American Association of University Professors, 1968-70
- Associate Editor, *Journal of Economic Theory*, 1968-2005
- Carter Panel on Student Financial Need Analysis, 1969-71
- Advisory Committee on the Economics of Education, Nat. Acad. of Education, 1972-3
- Mathematical Social Science Board, Social Science Research Council, 1970-74
- Advisory Board of the Office of Mathematical Sciences, National Research Council, National Academy of Sciences, 1972-76
- National Bureau of Economic Research, Committee on Econometrics and Mathematical Economics, 1971-
- Advisory Board, *Journal of Mathematical Economics*, 1973-
- Nominating Committee, American Economic Association, 1972-74
- Commission on Human Resources, National Research Council, National Academy of Sciences, 1976-79

- Committee on Fundamental Research Relevant to Education, National Research Council, National Academy of Sciences, 1976-77
- Associate Editor, *American Economic Review*, 1979-82
- Assembly of the Behavioral and Social Sciences, National Research Council, 1979-82
- Committee on Risk and Decision Making, National Research Council, 1980-81
- Oversight Committee for Economics Program, National Science Foundation, 1983
- Committee on Basic Research in the Behavioral and Social Sciences, Working Group on Markets and Organizations, National Research Council, 1985
- Committee on the Contribution of Behavioral and Social Science to the Prevention of Nuclear War, National Research Council, 1985-90
- Editorial Board, "*Games and Economic Behavior*," 1989-2005
- Editorial Board, "*Economic Theory*," 1991-2003
- Panel on Contingent Valuation Methodology, National Oceanic and Atmospheric Administration, U.S. Dept. of Commerce, 1992-93.
- Editorial Board, "*Economic Design*," 1993-2003
- Editorial Board, "*Review of Accounting Studies*," 1993-2004
- Member, Steering Committee, Project on "Enjeux et Procédures de Décentralization," Commissariat du Plan, Paris, 1992-5
- Chair, Economics Section, National Academy of Sciences, 1994-7.
- Member, Comm. on the High-Technology/Information-Technology Workforce, Computer Science and Technology Board, Nat. Res. Council, 1999-2000.
- Editorial Board, *Information Systems Frontiers*, 2000-
- Member, Standing Comm. on Geophysical and Environmental Data, Nat. Res. Council, 2001-2004
- Member, Study Comm. on Public-Private Partnerships in Weather and Climate Services, Nat. Res. Council, 2001-2.
- AEA Delegate, Consortium of Social Science Associations, 2003 –
- Secretary, Class 5, Behavioral and Social Sciences, Nat. Acad. of Sci., 2004-2007
- Associate Editor, *Theoretical Economics*, 2005-
- Chair, Class 5, Behavioral and Social Sciences, Nat. Acad. of Sci., 2007- 9.
- Editorial Board, Economic Sciences, *Proc. National Acad. of Sciences, U.S.A.*, 2009-
- Executive Board, Herbert A. Simon Society, 2009-

## 2. PUBLICATIONS

### 2.1 Books and Monographs

1. *Notes on the Theory of Economic Planning*, Athens, Greece: Center for Economic Research, 1963.
2. *Optimal Replacement Policy* (with D. W. Jorgenson and J. J. McCall), North-Holland Press and Rand-McNally, 1967 (also released as RAND Corporation Report R-437-PR, April 1966).
3. *Decision and Organization* (with C. B. McGuire, eds.), North Holland Press, Amsterdam, 1972; second ed., Univ. of Minnesota Press, Minneapolis, 1986.
4. *Economic Theory of Teams* (with J. Marschak), Cowles Foundation and Yale University Press, New Haven, 1972.
5. *Demand and Supply in U.S. Higher Education* (with L. S. Miller), Carnegie Commission on Higher Education and McGraw-Hill, New York, 1975.

6. *Education as an Industry* (with J. T. Froomkin and D. T. Jamison, eds.), National Bureau of Economic Research, Univ. -NBER Series, No. 28, Ballinger, Cambridge, Mass., 1976.
7. *Mathematicians in Academia* (with C. V. Kuh), Conference Board of the Mathematical Sciences, Washington, D.C., 1980.
8. *Information, Incentives and Economic Mechanisms* (with T. Groves and S. Reiter, eds.), Univ. of Minnesota Press, Minneapolis, 1987.
9. *Perspectives on Deterrence* (with P. C. Stern, R. Axelrod, and R. Jervis, eds.), Oxford University Press, New York, 1989.
10. *Bargaining with Incomplete Information* (with P. B. Linhart and M. A. Satterthwaite, eds.), Academic Press, San Diego, 1992.

## 2.2 Articles

1. "[Notes on Some Proposed Decision Criteria](#)" (with J. Marschak), in Thrall, Coombs, and Davis (eds.) *Decision Processes*. New York: John Wiley and Sons, 1954, Ch. 5.
2. "[The Linear Team: An Example of Linear Programming under Uncertainty](#)," in *Proceedings of the Second Symposium on Linear Programming*. Washington, D.C.: National Bureau of Standards, 1955, pp. 381-96.
3. "[Limit Distributions of Failure Time for Series-Parallel Systems](#)," in *Proceedings of the New York University Industry Conference on Reliability Theory*. New York: New York University, June 1958, pp. 163-86.
4. "[Minimax Estimation in Linear Regression](#)," *Annals of Mathematical Statistics*, Vol. 5, No. 2, January 1959, pp. 1244-50.
5. "[The Application of Linear Programming to Team Decision Problems](#)," *Management Science*, Vol. 5, No. 2, January 1959, pp. 143-50.
6. "[The Use of Bayesian Techniques for Predicting Spare-Parts Demand](#)" (with W. H. McGlothlin), RAND Research Memorandum RM-2536, The RAND Corporation, March 1, 1960.
7. "[The Evaluation of Information in Organizations](#)," in *Proceedings of the Fourth Berkeley Symposium on Probability and Statistics*. Berkeley, California: University of California Press, 1961, Vol. 1, pp. 491-530.
8. "[Paths of Economic Growth that are Optimal with Regard Only to Final States: A `Turnpike Theorem'](#)," *Review of Economic Studies*, Vol. 28, 1961, pp. 98-104.
9. "[Team Decision Problems](#)," *Annals of Mathematical Statistics*, Vol. 33, 1962, pp. 857-81.
10. "[Politiques Optimales d'Entretien et de Remplacement dans les Systemes a Plusieurs Elements](#)" (Optimal Policies of Maintenance and Replacement for Systems with Several Parts), *Bulletin de l'Association Francaise pour le Controle Industriel de Qualite* (Bulletin of the French Association for Industrial Quality Control), No. 11, October 1962, pp. 29-42.
11. "[Opportunistic Replacement of a Single Part in the Presence of Several Monitored Parts](#)" (with Dale Jorgenson), *Management Science*, Vol. 10, No. 1, October 1963, pp. 70-84.
12. "[Optimal Replacement and Inspection of Stochastically Failing Equipment](#)" (with Dale Jorgenson), in Arrow, Karlin, and Scarf (eds.) *Studies in Applied Probability and Management Science*. Stanford, California: Stanford University Press, 1963, pp. 184-206.
13. "[Mathematical Specification of Goals for Decision Problems](#)," in *Symposium on the Use of Judgement in Optimal Decisions*, Shelly and Bryan (eds.), New York, Wiley, 1964.
14. "[Decision Rules Based on Failure-Restoration Processes](#)," System Development Corporation, SP-15301000100, January 1964.
15. "[Optimal Growth in a Linear-Logarithmic Economy](#)," *International Economic Review*, Vol. 7, 1966, pp. 1-33.
16. "[Efficiency Prices for Infinite Horizon Production Programs](#)," *Review of Economic Studies*, Vol. 34, 1967, pp. 51-66.

17. "[Equilibre des marches a terme et au comptant en cas d'incertitude](#)," *Cahiers d'Econometrie* No. 9, 1967, pp. 30-47.
18. "[Dynamic Programming of Economic Growth](#)," in M. Bacharach and E. Malinvaud (eds.), *Activity Analysis in the Theory of Growth and Planning*, Macmillan, London, 1967.
19. "[On Maximal Points in Convex Sets](#)," *Proceedings of the Fifth Symposium on Probability and Statistics*, Vol. 1, University of California Press, Berkeley, 1967, pp. 351-54.
20. "[Competitive Equilibrium under Uncertainty](#)," *Econometrica*, Vol. 36, No. 1, January 1968, pp. 31-58.
21. [Review of V. S. Nemchinov](#), (ed.), *The Use of Mathematics in Economics*, English edition, edited and with an introduction by A. Nove. Review was published in *American Economic Review*, Vol. 58, No. 1, March 1968, pp. 232-35.
22. "[Demand and Supply in U.S. Higher Education: A Progress Report](#)" (with L. S. Miller), *American Economic Review*, Vol. 60, No. 2, May 1970, pp. 326-34.
23. "[Problems in the Theory of Markets Under Uncertainty](#)," *American Economic Review*, Vol. 60, No. 2, May 1970, pp. 454-60.
24. "[Balanced Stochastic Growth at the Maximum Rate](#)," in G. Bruckman and W. Weber (eds.), *Contributions to the von Neumann Growth Model* (Zeitschrift fur Nationalokonomie, Suppl. 1), Springer-Verlag, Vienna, 1971, pp. 39-62.
25. "[Existence of Equilibrium of Plans, Prices, and Price Expectations in a Sequence of Markets](#)," *Econometrica*, Vol. 40, 1972, pp. 289-304.
26. "[Allocation of Resources in a Team](#)" (with T. F. Groves), *Journal of Economic Theory*, Vol. 4, 1972, pp. 415-441.
27. "[Shadow Prices for Infinite Growth Programs: The Functional Analysis Approach](#)" (with M. K. Majumdar), in *Techniques of Optimization*, A. V. Balakrishnan, (ed.), Academic Press, New York and London, 1972.
28. "[Optimal Steady State Behavior of an Economy with Stochastic Production and Resources](#)," in *Mathematical Topics in Economic Theory and Computation*, R. A. Day, (ed.), SIAM Publications, Philadelphia, 1972.
29. "[Optimal Stationary Consumption with Stochastic Production and Resources](#)," *Journal of Economic Theory*, Vol. 6, 1973, pp. 68-90.
30. "[Market Equilibrium under Uncertainty: Concepts and Problems](#)," in *Frontiers of Quantitative Economics*, Vol. II, M. Intriligator and D. A. Kendrick, (eds.), North-Holland, Amsterdam, 1974.
31. "[A Note on Unanimity of Stockholders' Preferences among Alternative Production Plans](#)," *Bell Journal of Economics and Management Science*, Vol. 5, No. 1, 1974, pp. 181-86.
32. "A Stochastic Decentralized Resource Allocation Process, [Parts I](#) and [II](#)" (with L. Hurwicz and S. Reiter), *Econometrica*, Vol. 43, No. 2, 1975, pp 187-221, and Vol. 43, No. 3, 1975, pp. 363-93.
33. "[A Behavioral Model of Cost Reduction](#)," *Bell Journal of Economics and Management Science*, Vol. 6, No. 1, Spring 1975.
34. "[Satisficing](#)," *Journal of Mathematical Economics*, Vol. 2, 1975, pp. 253-62.
35. "[On the Allocation of Effort](#)" (with M. Rothschild), *Journal of Economic Theory*, Vol. 10, 1975, pp. 358-76.
36. "[Planning Under Uncertainty: Recent Theoretical Developments](#)," in *Economic Planning, East and West*, M. Bornstein, (ed.) University of Michigan Press, Ann Arbor, 1975.
37. "[Faculty-Student Ratios in U.S. Higher Education](#)," in J. T. Froomkin, D. T. Jamison, and R. Radner, eds., *Education as an Industry*, Ballinger, Cambridge, Mass., 1976, pp. 415-444.
38. "[Allocation of Resources in Large Teams](#)" (with K. J. Arrow), *Econometrica*, Vol. 47, 1979, pp. 361-386.

39. "[Rational Expectations Equilibrium: Generic Existence and the Information Revealed by Prices](#)," *Econometrica*, Vol. 47, 1979, pp. 655-678.
40. "[Market Adjustment in Disequilibrium with Random Disturbances](#)" (with W. Hildenbrand), in J. Green (ed.), *General Equilibrium, Growth, and Trade*, Academic Press, N.Y., 1979, pp. 139-149.
41. "Market Conditions and Tenure in Higher Education" (with C. V. Kuh), Technical Report No. 2, Carnegie Council on Policy Studies in Higher Education, Berkeley, July, 1977.
42. "[Preserving a Lost Generation: Policies to Assure a Steady Flow of Young Scholars until the Year 2000](#)" (with C. V. Kuh), Carnegie Council on Policy Studies in Higher Education, Berkeley, October, 1978.
43. "[Behavioral Models of Stochastic Control](#)," in S. Reiter (ed.), *Mathematical Models in Economics*, American Mathematical Society, Washington, 1986, pp. 351-404.
44. "[Collusive Behavior in Noncooperative Epsilon-Equilibria of Oligopolies With Long but Finite Lives](#)," *J. of Econ. Theory*, Vol. 22, 1980, pp. 136-154.
45. "[Monitoring Cooperative Agreements in a Repeated Principal-Agent Relationship](#)," *Econometrica*, Vol. 49, 1981, pp. 1127-1148.
46. "[Equilibrium Under Uncertainty](#)", in K. J. Arrow and M. Intriligator, eds., *Handbook of Mathematical Economics*, North-Holland, Amsterdam, 1981, Ch. 20, pp. 923-1006.
47. "[Private Information and Pure-Strategy Equilibria](#)" (with R. W. Rosenthal), *Mathematics of Operations Research*, Vol. 7, 1982, pp. 401-409.
48. "[Rational Expectations in Microeconomic Models: An Overview](#)" (with J. S. Jordan), *J. of Econ. Theory*, Vol. 26, 1982, pp. 201-223.
49. "[The Role of Private Information in Markets and Other Organizations](#)," in W. Hildenbrand, ed., *Advances in Economic Theory*, Cambridge University Press, Cambridge, 1982, pp. 95-120.
50. "[A Nonconcavity in the Value of Information](#)" (with J. E. Stiglitz), in M. Boyer and R. E. Kihlstrom, eds., *Bayesian Models in Economic Theory*, North-Holland, Amsterdam, 1983, pp. 33-52.
51. "[Approximate Purification of Mixed Strategies](#)" (with R. J. Aumann, et al), *Mathematics of Operations Research*, vol. 8, 1983, pp. 327-341.
52. "[Stationary Optimal Policies with Discounting in a Stochastic Activity Analysis Model](#)" (with M. K. Majumdar), *Econometrica*, Vol. 51 (1983), 1821-1835.
53. "[A Sequential Principal-Agent Approach to Regulation](#)" (with P. B. Linhart and F. W. Sinden), in O. H. Gandy, Jr., P. Espinosa, and J. A. Ordover, eds., *Proc. 10th Annual Telecommunications Policy Research Conference*, ABLEX Publ. Co., Norwood, N.J., 1983, pp. 213-226.
54. "[Jacob Marschak and the Theory of Decision and Organization](#)," in H. W. Spiegel and W. J. Samuels, eds., *Contemporary Economists in Perspective*, JAI Press, Greenwich, Connecticut, 1984.
55. "[Deregulation of Long-Distance Telecommunications](#)" (with P. B. Linhart), in V. Mosco, ed., *Policy Research in Telecommunications*, ABLEX Publ. Co., Norwood, N.J., 1984.
56. "[Repeated Principal-Agent Games with Discounting](#)," *Econometrica*, Vol. 53, 1985, pp. 1173-1198.
57. "[Repeated Partnership Games with Imperfect Monitoring and No Discounting](#)," *Review of Economic Studies*, Vol. 53 (1986), 43-57.
58. "[An Example of a Repeated Partnership Game with Discounting and with Uniformly Inefficient Equilibria](#)" (with E. Maskin and M. Satterthwaite), *Review of Economic Studies*, Vol. 53 (1986), 59-69.

59. "[Repeated Moral Hazard with Low Discount Rates](#)," in W. P. Heller, R. M. Starr, and D. Starrett, eds., *Uncertainty, Information, and Communication, Essays in Honor of Kenneth J. Arrow*, Vol. III, Cambridge U. Press, Cambridge, 1986, pp. 25-64.
60. "[The Internal Economy of Large Firms](#)," *The Economic Journal*, Vol. 96, Supplement, 1986, 1-22.
61. "[Can Bounded Rationality Resolve the Prisoners' Dilemma?](#)", in A. Mas-Colell and W. Hildenbrand, eds., *Contributions to Mathematical Economics*, North-Holland, Amsterdam, 1986, pp. 387-399.
62. "[Decentralization and Incentives](#)," in T. Groves, R. Radner, and S. Reiter, eds. *Information, Incentives, and Economic Mechanisms*, U. of Minn. Press, Minneapolis, 1987.
63. "[Alternative Market Arrangements for Technology Transfer](#)" (with P. B. Linhart), *Annales des Telecommunications* 42, (1987), 720-730.
64. "Price Caps: Theory and Implementation" (with P. B. Linhart), in E. E. Zajac (ed.), *Proceedings of the 15th Annual Telecommunications Policy Research Conference*, 1988.
65. "[A Model of Defense-Protected Build-Down](#)," in A. M. Weinberg and J. N. Barkenbus (eds.), *Strategic Defenses and Arms Control*, " The Washington Institute, Washington, 1987.
66. "[Uncertainty and General Equilibrium](#)," "Teams", and "Jacob Marschak," J. Eatwell, M. Milgate, and P. Newman (eds.), *The New Palgrave: A Dictionary of Economics*, Macmillan, London, 1987.
67. "[Effects of Increased Subscriber-Line Charge on Total Surplus and GNP](#)" (with P. B. Linhart), *AT&T Technical Journal*, 66 (5), Sept./Oct. 1987, 86-91.
68. "[Introduction: Symposium on Noncooperative Bargaining](#)" (with P. B. Linhart and M. Satterthwaite), *J. Econ. Theory.*, vol. 48 (June 1989), 1-17.
69. "[Equilibria of the Sealed-Bid Mechanism for Bargaining with Incomplete Information](#)" (with W. Leininger and P. B. Linhart), *J. Econ. Theory.*, vol. 48 (June 1989), 47-62.
70. "[The Sealed-Bid Mechanism: An Experimental Study](#)" (with A. Schotter), *J. Econ. Theory.*, vol. 48 (June 1989), 179-220.
71. "[Minimax-Regret Strategies for Bargaining over Several Variables](#)" (with P. B. Linhart), *J. of Econ. Theory*, vol. 48 (June 1989), 152-178.
72. "[Linear Models of Economic Survival Under Production Uncertainty](#)" (with M. K. Majumdar), *Economic Theory*, vol. 1, no. 1 (1991), 13-30.
73. "[A Sequential Mechanism for Direct Price Regulation](#)" (with P. B. Linhart and F. W. Sinden), Ch. 7 of Michael A. Einhorn (ed.), *Price Caps and Incentive Regulation in Telecommunications*, Kluwer Academic Publishers, Norwell, MA, 1991, pp. 127-153.
74. "[On the Market for Data Networking Products](#)" (with P. B. Linhart and R. Tewari), Ch. 11 in Christiano Antonelli (ed.), *The Economics of Information Networks*, International Telecommunications Society, 1991.
75. "[Intertemporal General Equilibrium](#)," Ch. 15 of L. W. McKenzie and S. Zamagni (eds.), *Value and Capital Fifty Years Later*, Macmillan, London, 1991.
76. "[Dynamic Games in Organization Theory](#)," *J. of Econ. Behavior and Organization*, 16 (1991), 217-260.
77. "[Transfer Payments and the Core of a Profit-Center Game](#)," in P. Dasgupta, et al, eds., *Economic Analysis of Markets and Games*, MIT Press, Cambridge, MA, 1992, pp. 316-339.
78. "[Information Processing in Firms and Returns to Scale](#)" (with T. Van Zandt), *Annales d'Economie et de Statistique*, June, 1992, No. 25/26, 265-298.
79. "[Joint Exploitation of a Productive Asset](#)" (with J. Benhabib), *Economic Theory*, 2 (1992), 155-190.
80. "[Hierarchy: The Economics of Managing](#)," *J. of Economic Literature*, vol. 30 (Sept. 1992), 1382-1415.

81. "[Survival under Production Uncertainty](#)" (with M. K. Majumdar), in M. K. Majumdar, ed., *Equilibrium and Dynamics*, Macmillan, London, 1992, pp. 179-200.
82. "[Price Caps](#)" (with P. B. Linhart), *Annals of Operations Research*, 36 (1992), 17-32.
83. "[The Organization of Decentralized Information Processing](#)," *Econometrica*, 61 (1993), 1109-1146.
84. "[A Note on the Theory of Cost-Benefit Analysis in the Small](#)," Chapter 6 in K. Basu, M. K. Majumdar, and T. Mitra, eds., *Capital, Investment, and Development*, Basil Blackwell, Oxford, 1993, pp. 129-141.
85. "[Report of the NOAA Panel On Natural Resource Damage Assessments Under the Oil Pollution Act of 1990](#)" (with K.J. Arrow, K., R. Solow, P.R. Portney, E.E. Learner, and H. Schuman, *Federal Register*, 58 (1993), pp. 4601-14, reprinted in Richard T. Carson, ed., *The Stated Preference Approach to Environmental Valuation, Volume III Applications: Benefit-Cost Analysis and Natural Resource Damage Assessment*, Ashgate Publ., Aldershot, UK 2007.
86. "[Optimal Principal-Agent Contracts for a Class of Incentive Schemes](#)" (with P. K. Dutta), *Economic Theory*, Vol. 2, (1994), 483-504.
87. "[Efficiency in Partnership when the Joint Output is Uncertain](#)" (with S. R. Williams), in J. Ledyard, ed., *The Economics of Informational Decentralization*, Kluwer, Boston, 1995, pp. 79-99.
88. "[Moral Hazard](#)" (with P. K. Dutta), in R. Aumann and S. Hart, eds., *Handbook of Game Theory*, Vol. 2, North-Holland, Amsterdam, 1995, pp. 869-903.
89. "[The Allocation of Value for Jointly Provided Services](#)" (with P. B. Linhart, K. G. Ramakrishnan, and R. Steinberg, *Telecommunications Systems*, 41 (1995), 151-175.
90. "[The Design and Performance of Sharing Rules for a Partnership in Continuous Time](#)" (with A. Rustichini), *Games and Economic Behavior*, 12 (Feb. 1996), 245-265.
91. "[Risk vs. Profit Potential: A Model for Corporate Strategy](#)" (with L. A. Shepp), *J. of Econ. Dynamics and Control*, 1996.
92. "[Bounded Rationality, Indeterminacy, and the Managerial Theory of the Firm](#)," in Z. Shapira, ed., *Organizational Decision Making*, Cambridge U. Press, Cambridge, 1997, pp. 324-352. [A shorter version published as "Bounded Rationality, Indeterminacy, and the Theory of the Firm," *Economic J.*, 106, no. 438 (Sept. 1996), 1360-1373.]
93. *Economic Survival*, Nancy Schwartz Memorial Lecture, Northwestern University, 1996; reprinted in D. P. Jacobs, et al, *Frontiers of Research in Economic Theory*, Cambridge University Press, Cambridge, 1998, pp. 183-209.
94. "[Profit Maximization with Bankruptcy and Variable Scale](#)," *J. of Econ. Dynamics and Control*, v. 22, no. 6 (June, 1998), 849-867.
95. "[On the Optimal Schedule for Introducing a New Technology](#)" (with P. B. Linhart), in G. Chichilnisky, ed., *Markets, Information, and Social Choices*, Cambridge U. Press, 1999, pp. 165-190.
96. "[Profit-Maximization and the Market Selection Hypothesis](#)" (with P. K. Dutta), *Review of Economic Studies*, 66(1999), 769-798..
97. "[A Profit-Center Game with Incomplete Information](#)" (with T. Ichiishi), *Review of Economic Design*, 4 (1999), 307-343.
98. "[Real-Time Decentralized Information Processing and Returns to Scale](#)" (with Timothy Van Zandt), *Economic Theory*, 17 (no. 3, May 1999), 545-575.
99. "[Costly and Bounded Rationality in Individual and Team Decision-Making](#)," *Industrial and Corporate Change*, v.9, no. 4 (2000), 623-658.
100. "[On the Core of a Cartel](#)," in G. Debreu, W. Neufeind, and W. Trockel, eds., *Economics Essays*, Springer, Berlin, 2001, pp. 315-331.

101. "[Bounded and Costly Rationality](#)," in N. J. Smelser and P. B. Baltes, eds., *International Encyclopedia of the Social and Behavioral Sciences*, Pergamon, Oxford, 2001, pp. 1298-1303.
102. "[Viscous Demand](#)," *J. of Economic Theory*, 112 (2003), 189-231.
103. "[Robert W. Rosenthal](#)" (with Debraj Ray), *J. of Economic Theory*, 112 (2003), 365-8.
104. "[Monopolists and Viscous Demand](#)" (with T. J. Richardson), *Games and Economic Behavior*, 45, No.2 (2003), 442-464.
105. "[Self-Enforcing Climate-Change Treaties](#)" (with P. K. Dutta), *Proc. Nat. Acad. Sci. U.S.*, 101 (2004), 4746-4751.
106. "[The Best is the Enemy of the Good](#)," in Mie Augier and James G. March, eds., *Models of a Man: Essays in Memory of Herbert A. Simon*, MIT Press, Cambridge, MA, 2004.
107. "[A Game-Theoretic Approach to Global Warming](#)" (with P. K. Dutta), S. Kusuoka and A. Yamazaki, eds., *Advances in Mathematical Economics*, Springer-Verlag, Tokyo, 2006.
108. "[Population Growth and Technological Change in a Global Warming Model](#)" (with P. K. Dutta), *Economic Theory*, 29 (2006), 251-270.
109. "[Strategic Analysis of Petty Corruption: Entrepreneurs and Bureaucrats](#)" (with A. Lambert-Mogiliansky and M. K. Majumdar), *J. of Development Economics*, 83 (2007), 351-367.
110. "[Petty Corruption: A Game-Theoretic Approach](#)" (with A. Lambert-Mogiliansky and M. K. Majumdar), *International J. of Economic Theory*, 4 (2008), 273-297
111. "[Strategic Analysis of Petty Corruption with an Intermediary](#)" (with A. Lambert-Mogiliansky and M. K. Majumdar), *Review of Economic Design*, 13 (2009), 45-57.
112. "[Strategic Analysis of Global Warming: Theory and Some Numbers](#)" (with P. K. Dutta), *J. of Economic Behavior and Organization*, vol. 71, (2009), 187-209.
113. "[Capital Growth in a Global Warming Model: Will China and India Sign a Climate Treaty](#)" (with P. K. Dutta), *Economic Theory*, 49 (2012), 411-443.

### 3. PAPERS IN PROCESS

1. "Dynamic Pricing of Network Goods with Boundedly Rational Consumers" (with Ami Radunskaya and Arun Sundararajan), December 2011
2. "Bounded Rationality: In Search of a Definition," July 2011
3. "Bayesian Analysis and Model Revision for k<sup>th</sup> Order Markov Chains with Unknown k," September 2002.
4. "Nonconvex Production Technology and Price Discrimination" (with Bing Jing), December 2004.
5. "Designing a Discrete Product Line in a Monopoly" (with Bing Jing), January 2006.

### 4. CURRENT RESEARCH

- Self-Enforcing Climate-Change Treaties: Changing Capital and Population
- Bounded rationality
- Pricing of information goods
- Statistical theory of data mining