

# MILTON HARRIS

## Curriculum Vitae

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### ***Education***

Ph.D. in Economics, University of Chicago, August, 1974.

Dissertation: “Optimal Planning Under Transaction Costs and General Equilibrium”  
Supervisor: William A. Brock

A.M. in Economics, University of Chicago, April, 1973.

B.A. in Mathematics, Rice University, June, 1968.

### ***Teaching, Research, and Other Experience***

The Chicago Board of Trade Professor of Finance and Economics, University of Chicago Booth School of Business,<sup>1</sup> Chicago, IL, July, 1987, to present. Associate Dean for Ph.D. Studies, February 1, 1997, to June 30, 2004.

Nathan and Mary Sharp Professor of Finance and Professor of Managerial Economics and Decision Science, J.L. Kellogg Graduate School of Management, Northwestern University, Evanston, IL, July, 1983, to July, 1987. Director of the Ph.D. Program, February, 1982, to July, 1987.

Professor of Finance and Managerial Economics and Decision Science, J.L. Kellogg Graduate School of Management, Northwestern University, Evanston, IL, September, 1981, to July, 1983.

Associate Professor of Economics, Graduate School of Industrial Administration, Carnegie Mellon University, Pittsburgh, PA, September, 1978, to September, 1981.

Assistant Professor of Economics, Graduate School of Industrial Administration, Carnegie Mellon University, Pittsburgh, PA, September, 1974, to September, 1978.

Visiting Professor of Economics, Tel Aviv University, Tel Aviv, Israel, May-June, 2003, February, 2008

Visiting Professor of Economics, University of Haifa, Haifa, Israel, May, 2000.

Visiting Professor of Economics, Stanford University, Stanford, CA, July, 1983, to January, 1984.

Visiting Associate Professor of Managerial Economics and Decision Science, J.L. Kellogg Graduate School of Management, Northwestern University, Evanston, IL, September, 1980, to September, 1981.

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<sup>1</sup> Known as “Graduate School of Business, University of Chicago” prior to fall, 2008.

Visiting Associate Professor of Economics, Tel Aviv University, Tel Aviv, Israel May-June, 1979, May, 1980, December, 1984, December, 1985.

Instructor in Economics, University of Chicago, Chicago, IL, Spring, 1974.

Summer Assistant, Special Projects Branch, International Division, Board of Governors of the Federal Reserve System, Washington, DC, Summer, 1971.

Mathematician, Acoustic Warfare Branch, Acoustics Division, U.S. Naval Research Laboratory, Washington, DC, February, 1969, to June, 1971.

## **Publications**

### **Books**

1. [\*Handbook of the Economics of Finance\*](#), Volumes 1A, 1B, editor with George Constantinides and René Stulz, Amsterdam: Elsevier-North Holland, October, 2003.
2. *Dynamic Economic Analysis*, New York: Oxford University Press, April, 1987.

### **Articles**

1. [“Control of Corporate Decisions: Shareholders vs. Management.”](#) with Artur Raviv, *Review of Financial Studies*, 23, #11, November, 2010, 4115-4147. Appendix available at [http://www.sfsrfs.org/addenda\\_viewpaper.php?id=603](http://www.sfsrfs.org/addenda_viewpaper.php?id=603).
2. [“A Theory of Board Control and Size.”](#) with Artur Raviv, *Review of Financial Studies*, 21, #4, July, 2008, 1797-1832. Appendix available at [http://www.sfsrfs.org/addenda\\_viewpaper.php?id=99](http://www.sfsrfs.org/addenda_viewpaper.php?id=99).
3. [“Allocation of Decision-making Authority.”](#) with Artur Raviv, *Review of Finance*, 9, #3, September, 2005, 353-383.
4. [“Organization Design.”](#) with Artur Raviv, *Management Science*, 48, #7, July, 2002, 852-865.
5. [“Capital Budgeting and Delegation.”](#) with Artur Raviv, *Journal of Financial Economics*, 50, #3, December, 1998, 259-289 (lead article).
6. [“Review of ‘Firms, Contracts, and Financial Structure,’ by Oliver Hart.”](#) *Review of Financial Studies*, 9, #4, Winter, 1996, 1271-1277.
7. [“The Capital Budgeting Process: Incentives and Information.”](#) with Artur Raviv, *Journal of Finance*, 51, #4, September, 1996, 1139-1174.
8. [“The Role of Games in Security Design.”](#) with Artur Raviv, *Review of Financial Studies*, 8, #2, Summer, 1995, 327-367.
9. [“Differences of Opinion Make a Horse Race.”](#) with Artur Raviv, *Review of Financial Studies*, 6, #3, 1993, 473-506.
10. “Financial Contracting Theory,” with Artur Raviv, in J.-J. Laffont, *Advances in Economic Theory, Sixth World Congress, Vol. II*, Cambridge, UK: Cambridge University Press, 1992, 64-150.
11. [“The Theory of Capital Structure.”](#) with Artur Raviv, Golden Anniversary Invited Review Article, *The Journal of Finance*, 46, March, 1991, 297-355. Reprinted in K. Keasey, S. Thompson and M. Wright, *Corporate Governance*, Elgar Reference Collection, International Library of Critical Writings in Economics, vol. 106, Cheltenham, U.K. and Northampton, Mass.: Elgar, 1999, 268-326.

12. "Allocation Mechanisms for Asymmetrically Informed Agents," with Robert M. Townsend in R. M. Townsend, *Financial Structure And Economic Organization: Key Elements And Patterns In Theory And History*, Cambridge, Mass. and Oxford: Blackwell, 1990, 175-211.
13. "[Capital Structure and the Informational Role of Debt.](#)" with Artur Raviv, *The Journal of Finance* 45, June, 1990, 321-349 (lead article and second-place winner in the Smith-Breeden awards for best papers in *The Journal of Finance* in 1990).
14. "[The Design of Securities.](#)" with Artur Raviv, *Journal of Financial Economics* 24, October, 1989, 255-287. Reprinted in M. J. Brennan, *The Theory of Corporate Finance*, Elgar Reference Collection, International Library of Critical Writings in Financial Economics, no. 1, Cheltenham, U.K.: Elgar., 1996, 387-419.
15. "[Corporate Governance: Voting Rights and Majority Rules.](#)" with Artur Raviv, *Journal of Financial Economics*, 20, January/March, 1988, 203-236.
16. "[Corporate Control Contests and Capital Structure.](#)" with Artur Raviv, *Journal of Financial Economics*, 20, January/March, 1988, 55-86.
17. "[On the Duration of Agreements.](#)" with Bengt Holmström, *International Economic Review*, 28, June, 1987, 389-406.
18. "[A Sequential Signalling Model of Convertible Debt Call Policy.](#)" with Artur Raviv, *The Journal of Finance*, 40, 5, December, 1985, 1263-1281.
19. "Allocation Mechanisms, Asymmetric Information, and the 'Revelation Principle'," with Robert M. Townsend, in George R. Feiwel, *Issues in Contemporary Microeconomics and Welfare*, London: Macmillan, 1985, 379-394.
20. "[Job Matching With Finite Horizon and Risk Aversion.](#)" with Yoram Weiss, *Journal of Political Economy*, 92, 4, August, 1984, 758-779.
21. "[Microeconomic Developments and Macroeconomics.](#)" with Bengt Holmström, *American Economic Review*, 73, 2, May, 1983, 223-227.
22. "[Comment on 'Pricing a Product Line' by S. Oren, S. Smith, and R. Wilson.](#)" *Journal of Business*, 57, 1, part 2, January, 1984, S109-S110.
23. "[Comment on 'Models in Managerial Accounting' by Joel Demski and David Kreps.](#)" *Journal of Accounting Research*, 20, Supplement, 1982, 149-152.
24. "Pricing Schemes When Demand is Unobservable," in Martin Shubik and Richard Englebrecht-Wiggans, *Auctions, Bidding, and Contracting: Uses and Theory*, New York: New York University Press, 1983, 195-203.
25. "[A Theory of Wage Dynamics.](#)" with Bengt Holmström, *Review of Economic Studies*, LXIX, July, 1982, 315-333.
26. "[Asymmetric Information, Incentives and Intrafirm Resource Allocation.](#)" with Charles Kriebel and Artur Raviv, *Management Science*, 28, 6, June, 1982, 604-620.
27. "[A Theory of Monopoly Pricing Schemes with Demand Uncertainty.](#)" with Artur Raviv, *American Economic Review*, 71, 3, June, 1981, 347-365.
28. "[Allocation Mechanisms and the Design of Auctions.](#)" with Artur Raviv, *Econometrica*, 49, 6, November, 1981, 1477-1499.

29. [“Resource Allocation Under Asymmetric Information.”](#) with Robert M. Townsend, *Econometrica*, 49, 1, January, 1981, 33-64. Reprinted in D. K. Levine and S. A. Lippman, *The Economics of Information*, Elgar Reference Collection, International Library of Critical Writings in Economics, vol. 53, Aldershot, U.K.: Elgar, 1995, 119-50. Reprinted in R. M. Townsend, *Financial Structure And Economic Organization: Key Elements And Patterns In Theory And History*, Cambridge, Mass. and Oxford: Blackwell, 1990, 212-251.
30. “Comment on ‘Equilibrium in a Pure Currency Economy’ by Robert E. Lucas,” in J.H. Kareken and N. Wallace, *Models of Monetary Economies*, Minneapolis: Federal Reserve Bank of Minneapolis, 1980, 157-160.
31. [“Expectations and Money in a Dynamic Exchange Model.”](#) *Econometrica*, 47, 6, November, 1979, 1403-1419.
32. [“Optimal Incentive Contracts with Imperfect Information.”](#) with Artur Raviv, *Journal of Economic Theory*, 20, 2, April, 1979, 231-259.
33. [“Some Results on Incentive Contracts with Applications to Education and Employment, Health Insurance, and Law Enforcement.”](#) with Artur Raviv, *American Economic Review*, 68, 1, March, 1978, 20-30. Reprinted in M. E. Ricketts, *Neoclassical Microeconomics*, Schools of Thought in Economics Series, no. 3, Aldershot, U.K.: Elgar, 1988, 220-30.
34. [“Dynamic Aspects of Air Quality Control Costs.”](#) with W. Dolde, D. Epple, L. Lave, and S. Leinhardt, *Journal of Environmental Economics and Management*, 4, 4, December, 1977, 313-334.
35. [“Optimal Planning Under Transaction Costs: The Demand for Money and Other Assets.”](#) *Journal of Economic Theory*, 12, 2, April, 1976, 298-314.
36. [“A Mutual Primal-Dual Linear Programming Algorithm.”](#) *Naval Research Logistics Quarterly*, 17, 2, June, 1970, 199-206.

## **Work in Progress**

*Handbook of the Economics of Finance*, Volumes 2A, 2B, editor with George Constantinides and René Stulz, Amsterdam: Elsevier-North Holland.

[“Rating Agencies in the Face of Regulation.”](#) with Christian C. Opp and Marcus M. Opp.

[“Intellectual Property Contracts: Theory and Evidence from Screenplay Sales.”](#) (tentative title) with S. Abraham Ravid and Suman Basuroy.

“Bank Disclosure Regulation,” (tentative title) with Artur Raviv.

“Optimal Rating Contingent Regulation,” with Christian C. Opp and Marcus M. Opp.

## **Courses Taught**

Undergraduate: Price Theory, Labor Economics, Monetary Theory.

Masters: Corporate Finance, Price Theory, Economics of Energy and Natural Resources, Monetary Theory.

Doctoral: Financial Economics, Imperfect Competition, General Equilibrium, Seminar in Monetary Theory, Theory of Contracts, Dynamic Competitive Analysis, Economics of Information.

## **Administrative Responsibilities and Service Activities**

Associate Dean for Ph.D. Studies, University of Chicago Booth School of Business, February 1, 1997, to June 30, 2004.

President, Society for Financial Studies (publisher of *The Review of Financial Studies*), July 1, 1999, to June 30, 2002.

Member, Executive Committee, Society for Financial Studies (publisher of *The Review of Financial Studies*), July 1, 2002, to June 30, 2005.

Chair, Dean Search Committee, University of Chicago Booth School of Business, December, 2000, to May, 2001.

Corporate Finance Course Scheduler, University of Chicago Booth School of Business, July 1, 2006, to present.

Member, faculty board of directors, Applied Theory Initiative, University of Chicago Booth School of Business, February 1, 2011, to June 30, 2013.

Member, Ryerson Lecture Committee, University of Chicago, March 1, 2007, to February 28, 2010.

Member, Board of Student and Campus Life, University of Chicago, July 1, 2004, to June 30, 2007 (chair, July 1, 2005 to June 30, 2007).

Member, Faculty Retirement and Oversight Committee, University of Chicago, July 1, 1999, to June 30, 2004.

President (1994-95), President-elect and Program Chair (1993-94), and Vice President (1992-93) of the Western Finance Association.

Member of the Council of the University Senate, University of Chicago, Fall, 1993, to Fall, 1996; Fall 1997, to Fall, 2000; Fall, 2002, to Fall, 2005; Fall, 2006, to Fall, 2009.

Member of the Policy Committee, University of Chicago Booth School of Business, Fall, 1989, to Fall, 1992, Fall, 1993, to Fall, 1996, and Fall, 2004, to Fall, 2006.

Member of the Committee on International Programs, University of Chicago Booth School of Business.

Member of the Committee on Awards, University of Chicago Booth School of Business, Fall, 1993, to Fall, 1996 (chair, 1995-96).

Member of the Dean Search Committee, University of Chicago Booth School of Business, Fall, 1992, to Spring, 1993.

Member of the Committee to Review Admissions Policy, University of Chicago Booth School of Business, Fall, 1991, to Spring, 1992.

Member of the Board of Directors, American Finance Association, 1990-1993.

Director of the Doctoral Program, J.L. Kellogg Graduate School of Management, February, 1982, to January, 1987.

## **Honors**

Fellow of the American Finance Association since 2011

Fellow of the Econometric Society since 1989

## **Ph.D. Students Supervised**

- Keith Crocker, Ph.D. in Economics, Graduate School of Industrial Administration, Carnegie Mellon University, May, 1981.
- M.P. Narayan, Ph.D. in Finance, J.L. Kellogg Graduate School of Management, Northwestern University, June, 1984.
- Robert A. Brown, Ph.D. in Finance, J.L. Kellogg Graduate School of Management, Northwestern University, August, 1985.
- Naveen Khanna, Ph.D. in Finance, J.L. Kellogg Graduate School of Management, Northwestern University, August, 1986.
- S. Viswanathan, Ph.D. in Finance, J.L. Kellogg Graduate School of Management, Northwestern University, August, 1986.
- Chun Chang, Ph.D. in Managerial Economics and Decision Sciences, J.L. Kellogg Graduate School of Management, Northwestern University, June 1986.
- Chang Bun Yoon, Ph.D. in Finance, J.L. Kellogg Graduate School of Management, Northwestern University, August, 1987.
- Louie Keh-luh Wang, Ph.D. in Finance, J.L. Kellogg Graduate School of Management, Northwestern University, August, 1988.
- Vikram Nanda, Ph.D. in Finance, University of Chicago Booth School of Business, Winter, 1991.
- Ivo Welch, Ph.D. in Finance, University of Chicago Booth School of Business, Winter, 1991.
- Eli Ofek, Ph.D. in Finance, University of Chicago Booth School of Business, Spring, 1991.
- Vincent Warther, Ph.D. in Finance, University of Chicago Booth School of Business, Spring, 1993.
- Wei Jiang, Ph.D. in Economics, Department of Economics, University of Chicago, Spring, 2001.

## **Membership in Professional Organizations**

American Finance Association (Member of the Board of Directors, 1990-93, Fellow since 2011), American Economic Association, Econometric Society (Fellow since 1989), The Society for Financial Studies (President 1999-2002, member of the executive committee, 2002-05), European Finance Association, Western Finance Association (Vice President, 1992-93, President-elect and Program Chairman, 1993-94, President, 1994-95).

## **Editorial Activities**

Occasional referee: *American Economic Review*, *Econometrica*, *The Journal of Finance*, *Journal of Financial Economics*, *Journal of Financial and Quantitative Analysis*, *Journal of Political Economy*, *Management Science*, National Science Foundation, *Quarterly Journal of Economics*, *Rand Journal of Economics*, *The Review of Financial Studies*.

Associate Editor: *The Review of Financial Studies* (1988-1991).

Member of the Board of Editors: *Journal of Economics and Management Strategy* (1992-1998), *European Finance Review* (renamed *Review of Finance*) (1997-2004).

## **Research Grants**

National Science Foundation Grant #SES-9209722: “The Design of Bankruptcy Procedures,” with Artur Raviv, July 15, 1992 to December 31, 1994.

Bradley Foundation Grant: “Corporate Debt and the Efficiency of Bankruptcy Law,” with Artur Raviv, June 1, 1990 to September 30, 1993.

National Science Foundation Grant #SES-8721303: “Corporate Governance and Takeovers,” with Artur Raviv, April 1, 1988 to September 30, 1990.

National Science Foundation Grant #SES-8511277: “Managerial Objectives, Corporate Control, and Financial Policy,” with Artur Raviv, August 15, 1985 to January 31, 1988.

National Science Foundation Grant #SES-8218132: “Alternative Methods for Raising Capital,” with Artur Raviv, June 1, 1983 to November 30, 1985.

National Science Foundation Grant #SES-7826262: “Topics in the Economics of Asymmetric Information,” October 15, 1980 to April 14, 1983.

National Science Foundation Grant #SOC-7826262: “Resource Allocation Under Asymmetric Information,” with Robert M. Townsend, January 1, 1979 to September 30, 1980.