

CURRICULUM VITAE

Fumio Hayashi

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Hitotsubashi University
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Principal Current Positions:

Professor, Hitotsubashi University
Research Associate, National Bureau of Economic Research, Inc. (since 1986)

Principal Past Positions:

2010 Advisor, Canon Institute for Global Studies
2005 Advisor, Banque AIG
1995 Professor, Department of Economics, University of Tokyo
2000 Visiting Professor, Department of Economics, Harvard University
1993 Carl Sumner Shoup Professor of Japanese Economy, Department of Economics,
Columbia University
1989 Adviser, Research Department, Federal Reserve Bank of Minneapolis
1988 Professor of Economics, Department of Economics, University of Pennsylvania
1986 Visiting Professor, London School of Economics
1985 Assistant Professor, Department of Economics, Osaka University
1982 Assistant Professor, Institute of Socio-Economic Planning, University of Tsukuba,
Japan
1980 Assistant Professor, Department of Economics, Northwestern University

Education:

B.A. (Economics) Department of Economics, University of Tokyo (March 1975)
Ph. D. (Economics) Department of Economics, Harvard University (June 1980)

Ph. D. Thesis

"Consumption, Optimization, and Rational Expectations" (May 1980)

Undergraduate Teaching Experience in the U.S.:

Intermediate Macro, Intermediate Micro, Econometrics, Applied Econometrics,
Mathematics for Economists (at Northwestern University); Intermediate

macroeconomics, International Finance (University of Pennsylvania); Japanese economy (Columbia University).

Graduate Teaching Experience in the U.S.:

Macroeconometrics (at Northwestern); First-year Macroeconomics, Advanced Macro, First-year Econometrics (U. of Penn.); First-year econometrics (Columbia University, Harvard University).

Current Research Interests:

Japan's stagnation in the 1990s; Japan's prewar economic development; commodity futures; emerging market currencies

Professional Affiliation and Duties:

Econometric Society Fellow (since 1988)

Honors

Co-winner, *Enjoji Jiro Economics Articles Prize* (one-time prize to commemorate the fiftieth anniversary of Japan Center for Economic Research), 1993.

Winner, First *Nakahara Prize*, a prize given by the Japanese Association of Economic Theory and Econometrics given to the most distinguished economist under age 45, 1995.

The Japan Academy Prize and the Imperial Prize, 2001.

Foreign Honorary Member, the American Academy of Arts and Sciences (inducted 2005)

Personal Bibliography

Publications in English:

1. "Quantity Adjustment in an Exchange Economy", *Economic Studies Quarterly* 28, December 1977, pp. 257-265.
2. "A New Estimation Procedure under Rational Expectations", *Economics Letters* 4, December 1979, pp. 41-43.
3. "Tobin's Marginal q and Average q: A Neoclassical Interpretation", *Econometrica* 50, January 1982, pp. 213-224.
4. "The Permanent Income Hypothesis: Estimation and Testing by Instrumental Variables", *Journal of Political Economy* 90, October 1982, pp. 895-916.
5. "Nearly Efficient Estimation of Time-Series Models with Predetermined, but Not Exogenous, Instruments", co-authored with Christopher Sims, *Econometrica* 51, July 1983, pp. 783-798.
6. "Monetary Policy in Postwar Japan", in A. Ando et. al. eds., *Monetary Policy in Our Times*, MIT Press, 1984, co-authored with Koichi Hamada, pp. 83-121.
7. "The Effect of Liquidity Constraints on Consumption: A Cross-Sectional Analysis", *Quarterly Journal of Economics* 100, January 1985, pp. 183-206.
8. "Corporate Finance Side of the Q Theory of Investment", *Journal of Public Economics* 27, August 1985, pp. 261-280.
9. "The Permanent Income Hypothesis and Consumption Durability: Analysis Based on Japanese Panel Data", *Quarterly Journal of Economics* 100, November 1985, pp. 1083-1113.
10. "Why is Japan's Saving Rate So Apparently High?", in S. Fischer ed., *NBER Macroeconomics Annual 1986*, MIT Press, pp. 147-210.
11. "An Econometric Analysis of a Capital Gains Tax on Land", co-authored with Yoshitsugu Kanemoto (first author) and Hajime Wago, *Economic Studies Quarterly* 38, June 1987, pp. 159-171.
12. "Tests for Liquidity Constraints: A Critical Survey", invited paper, 5th World Congress of the Econometric Society, Cambridge, Mass., in T. Bewley ed., *Advances in Econometrics II: Fifth World Congress*, Cambridge University Press, 1987, pp. 91-120.
13. "Housing Finance Imperfections and National Saving: A Comparative Simulation Analysis of the U.S. and Japan", co-authored with Takatoshi Ito and Joel Slemrod, *Journal of Japanese and International Economies* 2, September 1988, pp. 215-238.
14. "Life Cycle and Bequest Savings: A Study of Japanese and U.S. Households Based on the NSFIE Data and Data from the Survey of Consumer Finance 1983", first author, co-authored with Albert Ando and Richard Ferris, *Journal of Japanese and International Economies* 2, December 1988, pp. 450-491.
15. "Is Japan's Saving Rate High?", *Federal Reserve Bank of Minneapolis Quarterly Review* 13, Spring 1989, pp. 3-9.
16. "Taxes and Corporate Investment in Japanese Manufacturing", in Charles Hulten

- ed., *Productivity Growth in Japan and the United States*, University of Chicago Press, 1990, pp. 295-316.
17. "Ex-Day Behavior of Japanese Stock Prices: New Insights from New Methodology", co-authored with Ravi Jagannathan, *Journal of the Japanese and International Economies* **4**, December 1990, pp. 401-427.
 18. "The Relationship of Firm Growth and Q with Multiple Capital Goods: Theory and Evidence from Panel Data on Japanese Firms", co-authored with T. Inoue, *Econometrica* **59**, May 1991, pp. 731-754.
 19. "Is the Extended Family Altruistically Linked? Direct Tests using Micro Data", co-authored with Joseph Altonji and Laurence Kotlikoff, *American Economic Review* **82**, December 1992, pp. 1177-1198.
 20. "Explaining Japan's Saving: A Review of Recent Literature", *Bank of Japan Monetary and Economic Studies* **10**, November 1992, pp. 63-78.
 21. "Is the Japanese Extended Family Altruistically Linked? A Test Based on Engel Curves", *Journal of Political Economy* **103**, July 1995, pp. 661-674.
 22. "Fiat Money, Barter, and Inflation Dynamics with Capital", mimeo., co-authored with A. Matsui, *Journal of Economic Theory* **68**, January 1996, pp. 111-132.
 23. "Risk-Sharing Between and Within Families", first author, co-authored with Joseph Altonji and Larry Kotlikoff, *Econometrica* **64**, March 1996, pp. 261-294.
 24. "Analysis of Household Saving: Past, Present, and Future", *Japanese Economic Review* **47**, March 1996, pp. 21-33.
 25. *Understanding Saving: Evidence from the U.S. and Japan*, MIT Press, 1997.
 26. "Parental Altruism and Inter Vivos Transfers: Theory and Evidence", co-authored with J. Altonji and L. Kotlikoff, *Journal of Political Economy*, December 1997, pp. 1121-1166.
 27. *Econometrics*, Princeton University Press, 2000.
 28. "The Effects of Income and Wealth on Time and Money Transfers between Parents and Children", with J. Altonji and L. Kotlikoff, in *Sharing the Wealth*, A. Mason and G. Tapinos eds., Oxford University Press, 2000, pp. 306-357
 29. "The Main Bank System and Corporate Investment: An Empirical Reassessment", in *Finance, Governance, and Competitiveness in Japan*, M. Aoki and G. Saxonhouse eds., Oxford University Press, 2000, pp. 81-97.
 31. "The Cost of Capital, Q, and the Theory of Investment Demand", in *Econometrics and the Cost of Capital*, ed. by Lawrence Lau, MIT Press, 2000, pp. 55-84.
 30. "Identifying a Liquidity Effect in the Japanese Interbank Market for Overnight Loans", *International Economic Review*, May 2001, pp. 287-316.
 31. "Japan in the 1990s: A Lost Decade", co-authored with Edward C. Prescott, *Review of Economic Dynamics*, Vol. 5, No. 1, January 2002, pp. 206-235; an expanded version in *The Economics of An Ageing Population*, edited by P. Onofri, Edward Elgar Publishing, 2004.
 32. "Can IT be Japan's Savior?", co-authored with Koji Nomura, *Journal of the Japanese and International Economies*, vol. 19, No. 4, December 2005, pp. 543-567.

33. "The Over-Investment Hypothesis", in L. R. Klein ed., *Long-Run Growth and Short-Run Stabilization: Essays in Memory of Albert Ando*, Edward Elgar.
34. "The Depressing Effect of Agricultural Institutions on the Prewar Japanese Economy", co-authored with Edward C. Prescott, *Journal of Political Economy*, vol. 116, No. 4, August 2008, pp. 573-632.

Published Comments in English:

35. "Comment on Deaton and Paxson", in D. Wise ed., *Issues in the Economics of Aging*, University of Chicago Press, 1991, pp. 202-206.
36. "Measuring Depreciation for Japan: Reply to Dekle and Summers", *Bank of Japan Monetary and Economic Studies* 9, September 1991, pp. 79-89.
37. "Comment on Keane and Runkle", *Journal of Business and Economic Statistics* 10, January 1992, pp. 15-17.
38. "Acknowledging Misspecification in Macroeconomic Theory: Comment", *Bank of Japan Monetary and Economic Studies*, February 2001, pp. 227-30.
39. "Introduction" (with M. Blomstrom, Jennifer Corbett, and Anil Kashyap), *Structural Impediments to Growth in Japan*, University of Chicago Press, 2003.
40. "Comment on 'Crowding Out and the Rate of Return on Capital in Japan' by Levon Barseghyan", *Japan and the World Economy*, vol. 18, 2006, pp. 298-301.
41. "Comment on 'Monetary and Fiscal Policy in a Liquidity Trap: The Japanese Experience 1999-2004' by Iwamura, Kudo, and Watanabe", in Takatoshi Ito and Andrew Rose eds, *Monetary Policy Under Very Low Inflation in the Pacific Rim*, 2006.
42. "Introduction to Aspects of Japan's Prolonged Sump: Special Issue", *Japan and the World Economy*", vol. 18, pp. 357-357, 2006.
43. "Introduction" (with Kenn Ariga and Charles Horioka), *Japanese Economic Review*, vol. 57, pp. 157-160, 2006.

Unpublished Manuscripts in English:

44. "Estimation of Macroeconometric Models under Rational Expectations: A Survey", Discussion Paper No. 444, Center for Mathematical Studies, Northwestern University, October 1980.
45. "R&D as an Investment", co-authored with Bronwyn Hall, National Bureau of Economic Research Working Paper No. 2973, May 1989 (revision requested, *Journal of Econometrics*).
46. "Japan's Saving Rate: New Data and Reflections", National Bureau of Economic Research Working Paper No. 3205, December 1989 (invited lecture at a conference held in Turin, November 1989).
47. "The Fundamentals of Commodity Futures Returns" (with Gary Gorton and Geert Rouwenhorst), National Bureau of Economic Research Working Paper 13249, 2007.
48. "Emerging Market Currency Excess Returns" (with Stephen Gilmore), National Bureau of Economic Research Working Paper 14528, 2008.

Publications in Japanese:

1. "Goriteki Kitai Keisei" (Rational Expectations), co-authored with Takatoshi Ito, in K. Hamada and Yabushita eds., *Keizai Seisaku to Makuroekonomikusu* (Economic Policy and Macroeconomics), University of Tokyo Press, 1983.
2. *Setsubitoushi to Kigyuu Zeisei* (Corporate Investment and Taxes), Research Monograph No. 41, Economic Planning Agency of the Japanese Government, May 1984, co-authored with three others, 218 pages.
3. "Houjin Toushi to Zaimu Seisaku No Douji Kettei ni Tsuite" (On the Interaction of Corporate Investment and Financial Policy), *Financial Studies* 1, April 1985, pp. 1-9.
4. "Koujou Shotoku Kasetsu to Sono Kakuchou" (A Test of the Permanent Income Hypothesis and Extensions), *Keizai Bunseki* No. 101, Economic Planning Agency, January 1986, pp. 1-23.
5. "Nihonno Call Shijou Ni Okeru Ryuudousei Kouka Ni Tsuite" (On the Liquidity Effect in the Japanese Call Market), *Bank of Japan Monetary and Economic Studies*, September 2000, pp. 145-184.
6. *Keizaiseido no Jisshobunnseki to Sekkei* (Empirical Analysis and Design of the Economic Institution), editor of 3 volumes, Keiso Shobo, 2007.