

**CURRICULUM VITA**  
**March 2018**

**NAME:** Harvey E. Lapan

**HOME ADDRESS:** 2727 Duff Avenue  
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**OFFICE ADDRESS:** Dept. of Economics  
Iowa State University  
Ames, Iowa 50011  
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**BIRTH DATE:** November 18, 1946

**MARITAL STATUS:** Married, 2 children

**DEGREES:** M.I.T., B.S., June 1969  
M.I.T., M.S. in Economics, June 1969  
M.I.T., Ph.D. in Economics, September 1971

**FIELDS OF CONCENTRATION:** Advanced Economic Theory  
International Economics  
Mathematical Economics  
Fiscal Economics

**THESIS TITLE:** Models of Non-Steady-State Economic Growth and a Dynamic Model of the Firm

**THESIS COMMITTEE:** Professor Robert M. Solow, Supervisor  
Professor Paul A. Samuelson  
Professor Duncan K. Foley

**PROFESSIONAL EXPERIENCE:**

University Professor, Iowa State University, July 1993-  
Senior Staff Economist, Council of Economic Advisers, August 1988-August 1989  
Consultant, Board of Governors, Federal Reserve System, May-August 1983  
Visiting Professor of Economics, University of Hawaii at Manoa, 1982-83  
Professor of Economics, Iowa State University, September 1979-  
Associate Professor of Economics, Iowa State University, September 1975-August 1979  
Visiting Research Fellow, Institute for International Economic Studies (Stockholm), August  
1976-July 1977  
Assistant Professor of Economics, Iowa State University, September 1972-August 1975  
Assistant Professor of Economics, Northeastern University, September 1971-June 1972  
Instructor of Economics, Northeastern University, September 1969-September 1971

**GRADUATE COURSES TAUGHT:**

Microeconomics, General Equilibrium, Advanced Macroeconomics, International Trade,  
International Finance, Mathematical Economics, Advanced Economic Theory

**HONORS, SCHOLARSHIPS, AND FELLOWSHIPS:**

Master Teacher, College of Liberal Arts and Sciences, I.S.U., 2010-2011  
 University Professor, 1993  
 Chosen to be member of (U.S.) President's Council of Economic Advisers, 1988-89  
 Research Fellow, Institute for International Economic Studies, Stockholm, 1976-1977  
 National Science Foundation Summer Institute in Urban Economics, August 1972  
 National Science Foundation Fellowship, 1968-69  
 Honorary Woodrow Wilson Fellow, 1969  
 Phi Kappa Phi

**REFEREED PUBLICATIONS:**

- Shiva Sikdar and Harvey Lapan, "Strategic Environmental Policy and International Market Share Rivalry under Differentiated Bertrand Oligopoly," forthcoming, Oxford Economic Papers.
- Harvey Lapan and Shiva Sikdar, "Is Trade in Permits Good for the Environment?" *Environmental and Resource Economics*, 2017, DOI 10.1007/s10640-017-0202-z.
- GianCarlo Moschini, Harvey Lapan and Hyunseok Kim, "The Renewable Fuel Standard in Competitive Equilibrium: Market and Welfare Effects," forthcoming, *American Journal of Agricultural Economics* (accepted May 2017)
- Harvey E. Lapan and Shiva Sikdar, "Can trade be good for the environment?" *Journal of Public Economic Theory*, Vol. 19 (2), April 2017, pp. 267-582.
- Jingbo Cui, Harvey Lapan and GianCarlo Moschini, "Productivity, Export and Environmental Performance: Air Pollutants in the United States," *American Journal of Agricultural - Economics* (2016) 98 (2), March 2016, pp. 447-467.
- Harvey E. Lapan and GianCarlo Moschini, "Second-Best Biofuels Policies and the Welfare Effects of Quantity Mandates and Subsidies," *Journal of Environmental Economics and Management*, Vol. 63 (2012): 224-241.
- GianCarlo Moschini, Jingbo Cui and Harvey Lapan (2012), "Economics of Biofuels: An Overview of Policies, Impacts and Prospects," *Bio-based and Applied Economics*, 1(3):269-296.
- Shiva Sikdar and Harvey E. Lapan, "Carbon Leakage: The Role of Sequential Policy Setting," *Environment and Development Economic*, Vol. 17, Issue 1, Feb. 2012, pp. 91-104.
- Jingbo Cui, Harvey Lapan, GianCarlo Moschini and Joseph Cooper, "Welfare Impacts of Alternative Biofuel and Energy Policies", *American Journal of Agricultural Economics* (2011) 93(5): pages 1235-56; doi: 10.1093/ajae/aar053
- Chul-Woo Kwon and Harvey E. Lapan, "Does Market Familiarity Bless Multinational in Strategic Competition?" *Japan and the World Economy*, Vol. 23, Issue 1, Jan. 2011, pp. 58-62

- Harvey E. Lapan and Dave Hennessy, "Unit vs. Ad Valorem Taxes in Multi-Product Cournot Oligopoly," *Journal of Public Economic Theory*, Vol. 13, Issue 1, February 2011, 125-138.
- Harvey E. Lapan and Shiva Sikdar, "Strategic Environmental Policy under Free Trade with Transboundary Pollution", *Review of Development Economics*, Vol. 15, Issue 1, Feb. 2011, pp. 1-18.
- David Hennessy and Harvey E. Lapan, "Buying Ecological Services: Fragmented Reserves, Core and Periphery National Park Structure, and the Agricultural Extensification Debate," "Nature's Harmonies, Fragmented Reserves and the Agricultural Extensification Debate," *Natural Resource Modeling*, Vol. 23, Issue 2, May 2010, pp.176-217.
- GianCarlo Moschini, Harvey Lapan, Jingbo Cui and Joseph Cooper (2010). "Assessing the Welfare Effects of US Biofuel Policies," *AgBioForum* 13(4) (2010):370-74.
- Bruno Larue, Harvey E. Lapan and Jean-Philippe Gervais, "Tariff-Rate Quotas, Rent-Shifting and the Selling of Domestic Access," The Estey Centre Journal of International Law and Trade Policy, Vol. 11, Number 1, 2010, pp. 213-226.
- Harvey E. Lapan and GianCarlo Moschini, "Quality certification standards in competitive markets: When consumers and producers (dis)agree" *Economics Letters*, Vol. 104, Issue 3, September 2009, 144-47.
- Dave Hennessy and Harvey E. Lapan, "Harmonic Symmetries of Imperfect Competition on Circular City", *Journal of Mathematical Economics*, Vol. 45, Issue 1-2, Jan. 2009, 124-146.
- Jean-Philippe Gervais, Bruno Larue and Harvey E. Lapan, "WTO Disciplines on Domestic Support and Market Access in Agri-food Supply Chains", *Canadian Journal of Agricultural Economics*, Vol. 56, No. 4, December 2008, 429-444.
- Jeong-Eon Kim and Harvey E. Lapan, "Heterogeneity of Southern Countries and Southern Intellectual Property Rights Policy," *Canadian Journal of Economics*, Vol 41. No. 3, August 2008, 894-925.
- Dave Hennessy and Harvey E. Lapan, "Statistical Moments Analysis of Production Patterns in Multi-Product Cournot Oligopoly", *International Journal of Industrial Organization*.26, March 2008, 598-606.
- Harvey E. Lapan and GianCarlo Moschini, "Grading, Minimum Quality Standards, and the Labeling of Genetically Modified Products," *American Journal of Agricultural Economics*, Vol. 89, No. 3, August 2007, 769-83.
- Dave Hennessy and Harvey E. Lapan, "When Different Market Concentration Indices Agree," *Economic Letters*, Vol 95, No. 2, May 2007, 234-40.
- Dave Hennessy and Harvey E. Lapan, "On the nature of certainty equivalent functionals," Journal of Mathematical Economics, Vol 43, No. 1, December 2006, 1-10.

- Harvey Lapan and Dave Hennessy, "A Note on Cost Arrangement and Welfare in a Multi-Product Cournot Oligopoly," International Journal of Industrial Organization, Vol. 24, No. 3, May 2006, 583-91.
- Andrew Sobolevsky, GianCarlo Moschini and Harvey E. Lapan, "Genetically Modified Crops and (Induced) Product Differentiation: Trade and Welfare Effects in the Soybean Complex," American Journal of Agricultural Economics, Vol. 87, No. 3, August 2005, 621-44.
- Dave Hennessy and Harvey E. Lapan, "An Algebraic Theory of multi-product decisions," Economic Theory, Vol. 25, No. 4, June 2005, 819-29.
- Tigran Melkonyan and Harvey E. Lapan, "Tariffs, Quotas and Forward Contracts under Asymmetric Information", Review of International Economics Volume 13, Issue 2, May 2005, pp. 311-29.
- Bruno Larue, Jean-Philippe Gervais and Harvey E. Lapan, "Low-Price Low-Capacity Traps and Government Interventions", Canadian Journal of Agricultural Economics Vol. 52, No. 3, Nov. 2004, 237-256.
- Harvey Lapan and GianCarlo Moschini, "Innovation and Trade with Endogenous Market Failures: The Case of Genetically Modified Products," American Journal of Agricultural Economics, August 2004, Vol. 86, No. 3, pp. 630-44.
- Harvey Lapan and Jean-Philippe Gervais, "The Non-Equivalence of Import and Export Quotas", Review of International Economics, February 2004, Vol. 12, No. 1, pp. 130-7.
- Byoung-Ky Chang and Harvey E. Lapan, "Price commitment vs. flexibility: The role of exchange rate uncertainty and its implications for exchange rate pass-through," Review of International Economics, September 2003, Vol. 11, No. 4, pp. 697-711.
- Dave Hennessy and Harvey E. Lapan, "A Definition of 'More Systematic Risk' with Some Welfare Implications," Economica, August 2003, Vol. 70., No. 279, 493-508.
- Dave Hennessy and Harvey E. Lapan, "An Algebraic Theory of Portfolio Allocation," Economic Theory, August 2003, Vol. 22, No. 1, pp. 193-210.
- Dave Hennessy and Harvey E. Lapan, "Technology Asymmetries, Group Algebra and Multi-Plant Cost Minimization", Economic Inquiry, January 2003, Vol. 41, No. 1, pp 183-92.
- Dave Hennessy and Harvey E. Lapan, "Taste Asymmetries and Trade Patterns", Economic Bulletin, June 16, 2003, <http://www.economicsbulletin.com/2003/volume4/EB-03D50004A.pdf>.
- Bruno Larue and Harvey Lapan, "Smuggling and Bhagwati's Non-Equivalence Between Tariffs and Quotas," Review of International Economics, November 2002, Vol 10, No. 4, pp. 729-48
- Harvey Lapan and Dave Hennessy, "Symmetry and Order in the Portfolio Allocation Problem," Economic Theory, June 2002, Vol. 19, No. 4, pp. 747-72.

- Jean-Philippe Gervais and Harvey E. Lapan, "Endogenous Choice of Trade Instrument under Uncertainty," International Economic Journal, Winter 2002, Vol. 16, No. 4, pp. 75-96.
- Dave Hennessy and Harvey E. Lapan, "The use of Archimedean copulas to model portfolio allocations," Mathematical Finance, April 2002, Vol. 12, No. 2, pp 143-54.
- Jean-Philippe Gervais and Harvey Lapan, "Time Consistent Export Quotas in an Oligopolistic World Market," Journal of International Economics, , Mar. 2002, Vol. 56, No. 2, pp. 445-463.
- Jean-Philippe Gervais and Harvey Lapan, "Optimal Production Tax and Quota under Time Consistent Trade Policies," American Journal of Agricultural Economics, November 2001, Vol. 83, No. 4, pp. 921-33.
- Sylvain Boko and Harvey Lapan, "Pre-commitment Mechanism and Policy Credibility in African Trade Reform," Review of Development Economics, February 2001, Vol. 5, No. 1, pp. 25-39.
- Harvey Lapan and GianCarlo Moschini, "Incomplete Adoption of a Superior Innovation," Economica, November 2000, Vol. 67, No. 268, pp. 525-42
- GianCarlo Moschini, Harvey Lapan and Andrei Sobolevsky, "Roundup Ready ® Soybeans and Welfare Effects in the Soybean Complex," Agribusiness, Winter 2000, Vol. 16, No. 1, pp. 33-55.
- Hongmo Sung and Harvey Lapan, "Strategic Foreign Direct Investment and Exchange Rate Uncertainty," International Economic Review, May 2000, Vol. 41, No. 2, pp. 411-23.
- GianCarlo Moschini and Harvey Lapan, "Intellectual Property Rights and the Welfare Effects of Agricultural R & D," American Journal of Agricultural Economics, November 1997, Vol. 79, No. 4, pp. 1229-42
- Harvey Lapan and Giancarlo Moschini, "Optimal Price Policy and the Futures Market", 53, Economic Letters, 1996, 175-82.
- Giancarlo Moschini and Harvey Lapan. "The Hedging Role of Options and Futures under Joint Price, Basis and Production Risk," International Economic Review, November 1995, Vol. 36, No. 4, pp. 1025-50.
- Harvey Lapan and Giancarlo Moschini. "Futures Hedging Under Price, Basis and Production Risk," American Journal of Agricultural Economics, August 1994, Vol. 76, No. 3, pp. 465-77.
- Mahua Barari and Harvey Lapan. "Stochastic Trade Policy with Asset Markets: The Role of Tariff Structure," Journal of International Economics , November 1993: 317-33.
- Walt Enders and Harvey Lapan. "A Model of First and Second-Best Social Security Programs," Journal of Economics (Zeitschrift für Nationalökonomie), Supplement 7, 1993, 65-90.
- Harvey Lapan, Giancarlo Moschini and Steve Hanson. "Production Hedging and Speculative

Decisions with Options and Future Markets: Reply,” American Journal of Agricultural Economics, 75, August 1993: 748-50.

Bruno Larue and Harvey Lapan. “Market Structure and the World Wheat Market,” Canadian Journal of Agricultural Economics, July 1992, Vol. 40, No. 2, pp. 311-328.

Harvey Lapan and Todd Sandler. “Terrorism and Signalling,” European Journal of Political Economy, Vol. 9, #3, 1993, pp. 383-98.

Il Dong Ko, Harvey Lapan and Todd Sandler. “Controlling Stock Externalities: Flexible Versus Inflexible Pigovian Corrections,” European Economic Review, 1992, Vol. 36, pp. 1263-76.

Giancarlo Moschini and Harvey Lapan. “Hedging Price Risk with Options and Futures for the Competitive Firm with Production Flexibility,” International Economic Review, August 1992, Vol. 33, No. 3, pp. 607-18.

Harvey Lapan, Giancarlo Moschini and Steve Hanson. “Production Hedging and Speculative Decisions with Options and Future Markets,” American Journal of Agricultural Economics, Feb. 1991, Vol. 73, No. 1, pp. 66-74.

Harvey Lapan. “The Optimal Tariff, Time Consistency and Immiserising Growth in a Large Country,” Journal of International Economic Integration, Vol. 6(1), Spring 1991, 27-39.

E. Kwan Choi and Harvey Lapan. “Optimal Trade Policies for a Developing Country under Uncertainty,” Journal of Development Economics, Vol. 35, No. 2 (April 1991), 243-60.

Todd Sandler, Walt Enders and Harvey Lapan. “The Threat of International Terrorism and What Can Be Done,” Challenge, Vol. 34, No. 1, Jan/Feb 1991, pp. 10-26.

Bruno Larue and Harvey Lapan. “Quality Changes and the Volume of Trade: A Geometric Approach,” Canadian Journal of Agricultural Economics, Nov. 1990, Vol. 38, No. 3, pp. 405-20.

Harvey E. Lapan and Walt Enders. “Endogenous Fertility, Ricardian Equivalence and Debt Management Policy,” Journal of Public Economics, March 1990, Vol. 41, No. 2, pp. 227-48.

Harvey E. Lapan and E. Kwan Choi. “Tariffs versus Quotas Under Uncertainty: Restricting Imports and the Role of Preferences,” International Economic Journal, Winter 1988, Vol. 2, #4, 35-55.

Harvey E. Lapan and Douglas M. Brown. “Utility Maximization, Individual Production and Market Equilibrium,” Southern Economic Journal, October 1988, Vol. 55, #2, 374-90.

Harvey E. Lapan. “The Optimal Tariff, Production Lags and Time Consistency,” American Economic Review, June 1988, Vol. 78, #3, 395-401.

Harvey E. Lapan and Todd Sandler. “To Bargain or Not to Bargain: That is the Question,”

American Economic Review, Papers and Proceedings, May 1988, Vol. 78, #2, 16-21.

- Todd Sandler and Harvey E. Lapan. "The Calculus of Dissent: An Analysis of Terrorists' Choice of Targets," Synthese, June 1988, Vol. 76, pp. 245-61.
- Keith Howe and Harvey Lapan. "Inflation and Asset Life: The Darby vs. the Fisher Effect," Quarterly Journal of Financial Analysis, June 1987, Vol. 22, No. 2, pp. 249-258.
- Walter Enders and Harvey E. Lapan. "On the Relationship between the Exchange Regime and the Portfolio Rules of Optimizing Agents," Journal of International Economics, November 1983, Vol. 15, #3/4, pp. 199-224.
- Harvey E. Lapan and Walter Enders. "Rational Expectations, Endogenous Currency Substitution, and Exchange Rate Determination," Quarterly Journal of Economics, August 1983, Vol. 98, #3, pp. 427-40.
- Walter Enders and Harvey E. Lapan. "Social Security Taxation and Inter-generational Risk Sharing," International Economic Review, October 1982, Vol. 23, #3, pp. 647-58.
- Walter Enders and Harvey Lapan. "The Exchange Regime, Resource Allocation and Uncertainty," Southern Economic Journal, April 1981, pp. 924-40.
- Harvey E. Lapan and Walter Enders. "Random Disturbances and the Choice of Exchange Regimes in an Intergenerational Model," Journal of International Economics, May 1980, pp. 263-83.
- Harvey E. Lapan. "A Comment on Factor-Market Distortions and Dynamic Optimal Intervention: Reply," American Economic Review, September 1979, pp. 718-20.
- Walter Enders and Harvey E. Lapan. "Stability, Random Disturbances and the Exchange Rate Regime," Southern Economic Journal, July 1979, pp. 49-70.
- Douglas M. Brown and Harvey E. Lapan. "The Supply of Physicians' Services," Economic Inquiry, April 1979, pp. 269-79.
- Gordon C. Rausser and Harvey E. Lapan. "Natural Resources, Goods, Bads, and Alternative Institutional Frameworks," Resources and Energy, 2(1979), pp. 293-324.
- Harvey E. Lapan. "International Trade, Factor Market Distortions and the Theory of the Optimal Dynamic Subsidy: Reply," American Economic Review, December 1978, pp. 956-59.
- Walter Enders and Harvey E. Lapan. "Stochastic Disturbances and Exchange Rates," Journal of Economics Vol. IV, 1978, pp. 73-75.
- Harvey E. Lapan and Walter Enders. "Devaluation, Wealth Effects, and Relative Prices," American Economic Review, September 1978, pp. 601-13.
- Harvey E. Lapan and Walter Enders. "Lags and the Assignment Problem," American Economist, Vol. XXII, Fall, 1978, pp. 67-70.

- Harvey E. Lapan. "International Trade, Factor Market Distortions, and the Theory of the Optimal Dynamic Subsidy," American Economic Review, June 1976, pp. 335-46.
- Harvey E. Lapan. "The Possibility of Reversing the Trade Pattern with Internationally Diffused Localized Technical Progress," Journal of International Economics, August 1975, pp. 289-98.
- Harvey E. Lapan. "Non-Steady-State Economic Growth in a Two Sector World," Econometrica, May 1975, pp. 469-92.
- Douglas Brown, Martin Feldstein and Harvey E. Lapan. "The Rising Price of Physicians' Services: A Clarification," Review of Economics and Statistics, August 1974, pp. 396-98.
- Harvey E. Lapan and Pranab K. Bardhan. "Localized Technical Progress and Transfer of Technology and Economic Development," Journal of Economic Theory, December 1973, pp. 585-98; reprinted in International Trade, Growth, and Development, Essays by Pranab Bardhan, Chapter 2, Blackwell Publishing, 2003.
- Douglas M. Brown and Harvey E. Lapan. "Further Evidence on the Rising Price of Physicians' Services: A Comment," Review of Economics and Statistics, February 1972, pp. 101-05.

**BOOK:**

- Walt Enders and Harvey Lapan. International Economics: Theory and Policy, Prentice Hall, Englewood Cliffs, N.J., 1987.

**CHAPTERS IN BOOK:**

- Harvey Lapan and Walter Enders. "Stochastic Disturbances, Traded and Nontraded Goods and the Choice of the Exchange Regime," in M. Connolly, ed., The International Monetary System: Choices for the Future, Praeger Scientific, Praeger Publishers, New York, 1982.
- Harvey Lapan. "World Trade and Economic Growth," Chapter 4, Economic Report of the President, January 1989.
- GianCarlo Moschini and Harvey Lapan, "Intellectual Property Rights and the Welfare Effects of Agricultural R&D," in G. Galizzi and L. Venturini, eds., Vertical Relationships and Coordination in the Food System, Physica-Verlag, Heidelberg, 1999.
- GianCarlo Moschini, Harvey Lapan and Andrei Sobolevsky, "Trading Technology as Well as Final Products: Roundup Ready Soybean and Welfare Effects in the Soybean Complex," in W. H. Lessard, ed., Transitions in Agbiotech: Economics of Strategy and Policy, Storrs, CT: Food Marketing Policy Center, 2000.
- GianCarlo Moschini and Harvey Lapan, "Labeling Regulations and Segregation of First and Second Generation GM Products: Innovation Incentives and Welfare Effects", in Richard E. Just, Julian M. Alston and David Zilberman, eds., Regulating Agricultural Biotechnology: Economics and Policy, Springer, 2006. {Presented at conference on



*“Economics of Regulation of Agricultural Biotechnologies,”* NC-1003 Annual Meeting, Arlington, Virginia, March 10-12, 2005.

**EDITORIAL RELATIONSHIP:**

Past Associate Editor, *American Journal of Agricultural Economics*  
 Past Associate Editor, *Review of International Economics*

**ADMINISTRATIVE POSITION:**

Director of Graduate Studies, Department of Economics, August 1995-July 1998

**SERVICE ON UNIVERSITY and COLLEGE COMMITTEES:**

Faculty Development Committee  
 Graduate Membership Committee  
 Directors of Graduate Education

LAS Committee on Committees, August 1, 1998-July 31, 2001  
 Iowa State University Investment Committee: July 1, 1998 -  
 University Benefits Committee: September 1, 1998 -

**SELECTED SERVICE ON DEPARTMENTAL COMMITTEES**

Promotion and Tenure Committee  
 Faculty Recruiting Committee  
 Graduate Advisory Committee  
 Graduate Admissions Committee  
 Micro Qualifying Exam Committee

**GRANTS and CONTRACTS:**

USDA NIFA Award #2014-67023-21804, “A Framework for Evaluation National Biofuel Policies: International Spillovers and the Potential for Coordinated Policy Choices,” 2/15/2014-2/14/2016, \$280,936.00 (with GianCarlo Moschini)

USDA Cooperative Grant, Award #95905, “A Model for the Welfare Analysis of United States Ethanol Policies,” 8/7/08-1/15/10, \$60,406 (with GianCarlo Moschini)

USDA NRI Proposal #2003-03040, “The economics of higher-generation GM crops: market failures and policy options,” 1/1/04-12/31/05, \$118, 496 (with GianCarlo Moschini).

USDA NRI Proposal #2001-01017, “GMOs as (Possibly Inferior) Differentiated Product Innovations: Economic and Public Policy,” 10/1/01-5/31/03, \$120,000 (with GianCarlo Moschini).

USDA NRI Proposal #9801668, “Biotechnology, Innovations and Market Structure: Effects on Trade & Welfare with an Application to Soybeans,” 10/1/98-9/30/00 \$57,000 (with GianCarlo Moschini)

USDA, “Agricultural Innovations, Competitiveness and Strategic Research and Trade Policies,” (NRI), 10/1/94-9/30/96, \$118,362 (with GianCarlo Moschini)

NSF, "Stochastic Disturbances and the Exchange Rate Regime in a Consumption-Loan Model,"  
6/1/79-5/31/80, \$53,752 (with Walt Enders)