

Curriculum Vita

Roy G. Boyd

Business Address

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Education

Ph.D. in Economics, Duke University, June 1981.
M.A. in Economics, Duke University, May 1979.
B.A. in Economics, University of New Mexico, May 1976.

Professional Experience

Professor at Ohio University (1995 -).
Associate Professor at Ohio University (1991-95).
Assistant Professor at Ohio University (1988-91).

Researcher at the Economic Research Service of the USDA in Washington, D.C. (1986-1988). Research was on the general equilibrium effect of tariffs and taxes on agricultural output, investment and land.

Researcher at the Federal Trade Commission (1984 to 1986). Research was on the welfare impacts of tariffs on foreign gasoline and the effects of Pipeline deregulation on competition in the natural gas sector.

Assistant Professor at the University of Wisconsin-Milwaukee (1981-1984). Courses taught included Microeconomic Principles (Mass Lecture), Environmental Economics, Intermediate Microeconomics, graduate Public Finance, and graduate Industrial Organization.

Supervised a dissertation on World Energy Markets. Dissertation completed in May 1985. Supervised two masters papers on forestry taxation. One completed in June 1984 and the other completed in May 1985.

Major Fields

Natural Resources/Environment
Public Finance/ CGE Modeling
International Trade and Development Policy

Books

Forestry Sector Intervention: The Impacts of Public regulation on Social Welfare, with William F. Hyde (*The Iowa State University Press*, Ames, Iowa) (February 1989).

Hacia el Futuro: Energy, Economics, and the Environment in 21st Century Mexico, With Maria E. Ibarraran (*Springer Academic Publishers*, Dordrecht, The Netherlands) (June 2006).

Publications:

A. Journal Articles

"Lumber Transport and the Jones Act: A Multi-Commodity Spatial Equilibrium Analysis," *Bell Journal of Economics*, Vol. 14, No. 1 (Spring 1983), pp. 202-212 (abstracted in *Regulation*, September/October 1983).

"Costs and Distortions of U.S. Regulation Policy: The Case of Intercoastal Lumber Shipping," *The Journal of Policy Modeling*, Vol. 5, No. 2 (June 1983), pp. 293-307.

"Government Support of Nonindustrial Production: The Case of Private Forests," *Southern Economic Journal*, Vol. 51, No. 3 (July 1984), pp. 89-107.

"Capital Gains Treatment of Timber Income: Incidence and Welfare Implications," with Barbara Daniels, *Land Economics*, Vol. 61, No. 4 (November 1985), pp. 354-362.

"The Welfare Impacts of U.S. Trade Restrictions Against the Canadian Softwood Lumber Industry: A Spatial Equilibrium Analysis," with Kerry Krutilla, *Canadian Journal of Economics*, Vol. 20, No. 1 (February 1987).

"Energy Demand in Developing Countries and Third World Response to Changes in the International Oil Market," with M.A. Al-Sahlawi, *The Journal of Energy and Development* (Fall 1987).

"A Note on Resource Value and Marketability," with Thomas A. Barthold, *Energy Economics* (March 1988).

"*The Impacts of Public Interventions: An Examination of the Forestry Sector*," with William F. Hyde and Barbara L. Daniels, *Journal of Policy Analysis and Management* (November 1987).

"*Measuring the Effectiveness of Public Forestry Assistance Programs*," with William F. Hyde, Barbara L. Daniels, and Robert Fallon, *Forest Ecology and Management* (Spring 1988).

"*Regional Analysis of Trade Barriers to Foreign Refined Petroleum Products*," with Carol A. Dahl, *Energy Systems and Policy* (August 1988).

"The Politics and Consequences of Protectionism: A Case Study in the North American Lumber Market," with Kerry Krutilla, Journal of Policy Modeling (December 1988).

"Dynamic Adjustment to Land Taxation Policy: Neutrality and Welfare Implications," with Geoffrey K. Turnbull, Journal of Environmental Economics and Management (May 1989).

"Crude Oil Imports in The United States," with Noel Uri, Applied Energy (December 1988).

"The Impact of Greenspace Laws on Urban Development," with Geoffrey K. Turnbull, The Review of Regional Studies (Spring 1989).

"The Potential Benefits and Costs of an Increase in the Gasoline Tax," with Noel Uri, Energy Policy (August 1989).

"The Impacts of an Oil Import Fee on U.S. Agriculture," with Noel Uri, Journal of Economic Development (December 1989).

"Estimating Demand for the Regional Softwood Lumber in the United States," with Noel Uri, North Central Journal of Agricultural Economics (Spring 1990).

"Assessing the Impact of an Oil Import Fee," with Noel Uri, Energy: The International Journal (Spring 1990).

"The Effects on Agriculture in the U.S. of An Oil Import Fee," with Noel Uri, Applied Economics (December 1989).

"Assessing the Impact of the Windfall Profits Tax on the United States Economy," with Noel Uri, The International Journal of Energy Research (Spring 1990).

"Considerations on Modeling the Market for Softwood Lumber in the United States," with Noel Uri, Forest Science, Vol. 36, No. 3 (September 1990), pp. 680-692.

"Forestry Regulation in the United States," with William F. Hyde. Kungl. Skogs-Och Lantbruksakademins Tidskrift, Journal of the Royal Swedish Academy of Agriculture and Forestry (June 1989).

"The Stability of Cigarette Demand," with Barry Seldon, Applied Economics (February 1991).

"The Fleeting Effect of Advertising: Empirical Evidence From A Case Study," with Barry Seldon, Economics Letters, Vol. 31, No. 4 (December 1990), pp. 375-379.

"Tax Reform and Land-Using Sectors in the U.S. Economy: A General Equilibrium Analysis," with David Newman, American Journal of Agricultural Economics, (May 1991), pp. 398-404.

"Factors Affecting the Demand for Softwood Lumber in the United States," with Noel Uri, Applied Statistical Models and Data Analysis, 1991.

"The Effect of the Elimination of the Federal Budget Deficit on the Agricultural Sectors of the U.S. Economy," with Noel Uri, Mathematical and Computer Modeling, 1991.

"The Impact of the Canadian-U.S. Free Trade Agreement on the U.S. Forestry Sector: A General Equilibrium Analysis," with Kerry Krutilla, Journal of Business Administration, Vol. 19, No. 2 (1991).

"The Economic Effects of Proposed Changes in Sin Taxes: A General Equilibrium Perspective," with Barry Seldon, Land Economics (August 1991).

"The Cost of Improving the Quality of the Environment," with Noel Uri, Environment and Planning A (July 1991).

"The Economic Impact of Crop Losses: A Computable General Equilibrium Approach," with Keith Sherony and Glenn Knowles, Western Journal of Agricultural Economics (July 1991).

"Stochastic Parameter Models of Regional Lumber Demand in The Contiguous United States, 1950- 85," with Barry Seldon, The Annals of Regional Science (November 1991).

"The BTU Tax as a Revenue Option: Its Impact on Agriculture in the United States," with Noel Uri. The International Journal of Energy Research (September 1991).

"An Assessment of the Impacts of Energy Taxes," with Noel Uri. Resources and Energy (November 1991).

"The Impact of a Broad Based Energy Tax on the United States," with Noel Uri, Energy Economics (October 1991).

"The Impact of a Devaluation of the U.S. Dollar on the Exports of U.S. Agricultural Commodities," with Noel Uri, Journal of World Trade (August 1991).

"Welfare Gains From Aluminum Recycling in the United States," with David Westenbarger and Chulho Jung, Resource Policy (December 1991), pp.332-342.

"Measuring Aggregate Impacts: The Case of the Conservation Reserve Program," with Noel Uri and Kazim Konyar, Agricultural Systems (1992), pp. 35-60.

"Across Group Pareto Efficiency and the 1986 Tax Reform: A General Equilibrium Assessment," with Lowell Gallaway and Richard Vedder, Economic Notes (January 1992), pp. 60-72.

"Reply to Comment on `Revenue and Land Use Effects of Proposed Changes in Sin Taxes: A General Equilibrium Perspective,'" with Barry Seldon. Land Economics, (August 1992).

"Controlling Acid Deposition: A General Equilibrium Assessment," with Kerry Krutilla. Environmental and Resource Economics, 1992.

"The Impact of the Oil Crisis Associated with the Persian Gulf Conflict on the U.S.," with Noel Uri. Applied Energy, (1992) pp. 251-272.

"The Economic Impact of Taxes on Petroleum Products in the Philippines," Energy: The International Journal, Vol. 18 (January 1993), pp.31-48.

"Using the Gasoline Tax to Reduce the U.S. Federal Government's Budget Deficit," Applied Energy, 1993

"An Assessment of the Energy Tax Burden on the Philippine Economy", International Journal of Energy Research, Vol. 17 (December 1993), pp.605-620.

"The Effects of a Broad Based Energy Tax on the United States Economy,"with Noel Uri, International Journal of Global Energy Issues, Vol. 6 (1994) pp.301-317.

"An Evaluation of the Effects of the Tax on Refined Petroleum Products in the Philippines," with Noel Uri. Energy Economics, Vol. 15, No. 3 (July 1993), pp. 154-165.

"The Effects of an Increase in the Motor Fuels Excise Tax on the U.S. Economy," with Noel Uri, Energy: The International Journal, Vol. 19, No.2 (Jan. 1994),pp.211-226.

"Assessment of the Impact of the Tax on Refined Petroleum Products in the Philippines," with Noel Uri, Applied Energy, Vol. 46 (1993), pp. 69-92.

"Potential Changes in World Oil Prices on the U.S.: A General Equilibrium Perspective," with R. Koshal, Energy Conversion and Management, Summer 1992.

"Evaluating the Stability of Softwood Lumber Demand by End-Use Sector," with D. Adams and J. Angle, Forest Science, Summer 1992.

"The Potential Effects of a Free Trade Agreement Between the U.S. and Mexico," with Kerry Krutilla and Joseph McKinney, Applied Economics, January 1993, pp. 81-82.

"Advertising Effects and Conjectures Among Cigarette Manufacturers," with Barry Seldon and Sudeep Banjeree, Managerial and Decision Economics, Vol. 14(December 1993)pp. 489-498.

"Exchange Rate Expectations and Functional Misspecification," with Khosrow Doroodian, Review of Economics and Statistics, (May 1994)pp. 393-398.

"Redistributing the Energy Tax Burden in the Philippines," with Noel Uri., The Journal of Energy and Development (Spring 1992).

"The Effects of Tariff Removals on the North American Lumber Trade," with Khosrow Doroodian and Saquib Abdul-Latif. Canadian Journal of Agricultural Economics, Vol. 41 (1993) pp.311-328.

"The Economic Cost and Environmental Benefits of Energy Taxation: An Evaluation of Optimal and No Regrets Policies to Achieve Carbon Emissions Reductions," with Kerry Krutilla and W. Kip Viscusi. Journal of Environmental Economics and Management Vol. 29 (June 1995)pp.1-14.

"Redistributing the Tax Burden in the Philippines," with Noel Uri. , Economics of Planning, Vo. 27 (1994)pp.67-92.

"An Analysis of the Proposed BTU Tax on the U.S. Economy," with Noel Uri. International Journal of Energy Research (December 1993).

"Using the Gasoline Tax to Reduce the U.S. Federal Government's Budget Deficit," with Noel Uri. Applied Energy, Vol. 46 (July 1993)pp.215-239.

"The Effect of the Sugar Program on the United States Economy," with Noel Uri. Journal of Agrobusiness, Vol. 11 (Fall 1993)pp.114-139.

"Tax Reform and Energy in the Philippines Economy: A General Equilibrium Computation," with K. Doroodian, The Energy Journal, Vol.15 (May 1994)pp.135-155.

"Forecasting Movements in the Stock Market: A Comparison Between Fixed and Stochastic Coefficients Models," with Chulho Jung. Southern Journal of Economics and Business, Vol. 17 (July 1994)pp.297-315.

"A General Equilibrium Analysis of a Reduction in Capital Gains Taxes," with Barry Seldon, Public Finance Quarterly, Vol. 23 (April 1995)pp. 193-216.

"The Impact of the Tariff-Rate Quota on Sugar Imports on the US Economy" with Noel Uri. Journal of Economics Studies, Vol. 21 (January 1994) pp. 16-40.

"A CGE Analysis of the Impact of Trade Liberalization Between the United States and Mexico" with Khosrow Doroodian and Matloob Piracha, Atlantic Economic Journal, Vol. 22 (Dec. 1994) pp.43- 54.

"Energy Taxation for Environmental and Fiscal Policy: An Analysis of a Clinton-type BTU Tax" with Kerry Krutilla and Kip Viscusi, Journal of Regulatory Economics, Vol. 8 (1995) pp. 5-22).

"Incentives For Advanced Pollution Abatement Technology At The Industry Level: An Evaluation of Alternative Policy Instruments" with Chulho Jung and Kerry Krutilla Journal of Environmental Economics and Management, Vol.30, No. 1 (January 1996),pp. 95-111.

"The effects of a Broad-Based Energy Tax on the United States Economy" with Noel Uri, International Journal of Global Energy Issues, Vol. 6, (1994) pp.301-317.

"The Market Structure of the US Aluminum Industry" with Chulho Jung and Barry Seldon, The Journal of Economics and Business, Vol. 47 (1995) pp.293-301.

"Resource Prices, Supply Shocks and Output fluctuations" with Tony Caporale, Applied Economic Letters, Vol. 2 (1995) pp. 180-183.

"The Coase Theorem in a Rent-Seeking Society" with Chulho Jung, Kerry Krutilla, and W. Kip Viscusi, International Review of Law and Economics, Vol.15 (1995) pp. 259-268.

"Forecasting UK Stock Prices" with Chulho Jung, Applied Financial Economics, Vol. 6, No. 3(June 1996), pp.279-286.

"Scarcity, Resource Price Uncertainty, and Economic Growth", with Tony Caporale, Land Economics, (1996), Vol. 72.

"The Effects of US Sugar Import Controls on Economic Welfare: A General Equilibrium Analysis" (Journal of Policy Modeling)

"The Effects of Increasing Biodegradable Polymer Use on the US Economy" with Noel Uri (The Science of the Total Environment).

"The Increasing Biodegradable Polymer Resin Use: The Impact on the US Economy" with Noel Uri (Ecological Forecasting and Social Change).

"The Impact of Crude Oil Price Fluctuations on Unemployment in the United States" with Noel Uri, International Journal of Energy Research, Vol. 20 (1995).

"The Effects of a Refined Petroleum Products Tax in the Philippines" with Noel Uri, International Journal of Global Energy Issues, Vol. 7 (1995) pp. 56-69.

"The Effects of Increasing the Tobacco Excise Tax on the US Economy: A General Equilibrium Analysis" with Noel Uri, *Economic Planning*, Vol. 31 (1995).

"Assessing the Impact of the Sugar Program on the US Economy" with Noel Uri, *Food Policy*, Vol. 19 (1994) pp. 443-457.

"Scarcity and Growth Revisited," with Noel Uri, *Environment and Planning A*, Vol. 27 (1995) pp. 1815-1832.

"The Economic Ripple Effects of Operation 'Desert Shield' and 'Desert Storm'," with Noel Uri, *International Journal of Energy Research*, Vol. 20 (1996) pp.1-16.

"Economic Impact of the Energy Price Increase in Mexico," *Environmental and Resource Economics*, Vol 10 (1997) pp. 101-107.

"The Effect of Reducing the Motor Fuels Excise Tax on Agriculture in the United States," with Noel Uri, *Energy and the Environment*, Vol 8 (1997) pp 45-65

"An Evaluation of the Economic Affects of Higher Energy Prices in Mexico," with Noel Uri, *Energy Policy*, Vol. 25, (1997) pp. 205-215.

"The Effects of Eliminating Direct Payments To Farmers on Land Value," with Noel Uri and E. Douglas Beach, *Journal of Real Estate Finance and Economics*, Vol 14 (1997) pp. 239-260.

"Is There a Liquidity Effect? An Investigation Using the Kalman Filter," with Tony Caporale, *Journal of Policy Modeling*, (1997) Vol.19.

"Aggregation Bias in Natural Resource Price Composites: The Forestry Case," with Chulho Jung and Kerry Krutilla, *Resource and Energy Economics*, Vol. 20, No. 1(March 1998)

"The Impact of Export Promotion Policies on the Economic Growth and the Environment in a General Equilibrium Framework: The Case of the Philippines," with K. Doroodian, *Journal of Philippines Development*, Vol 22, (1998) pp. 265-302.

"The Economic Impact of a Subsidy on Mexican Agriculture and Forestry: A CGE Analysis", with K. Doroodian, *Forest Science*, Vol. 44, (November 1998) pp. 578-586.

"The Effects of Peso Devaluation on Manufacturing Exports and Tropical Forests in Mexico: A CGE Analysis", with K. Doroodian, *Journal of Economic Development* (June 1999) Vol. 24, pp. 97-119.

"The J-Curve Effect and The US Agricultural and Industrial Trade," with Chulho Jung and K. Doroodian, *Applied Economics*,(1999) Vol. 31 pp. 687-695.

"Testing the Law of One Price Under The Fixed and Flexible Exchange Rate System", Applied Economic Letters, (1999), Vol. 6 pp. 613-616.

"The Impact of Oil Price Volatility on The Future of the US Economy," with K. Doroodian and Dennis Thornton, Energy and Environment, Vol. 11, (2000) pp. 25-48.

"A Computable General Equilibrium Analysis of Taxes and the Double Dividend: An Application of the Mexican Carbon Tax" (with Maria Ibarra), Economic and Financial Modelling, (2001).

"Los Impuestos al Carbón y la Economía Mexicana: Impacto de la Observancia de las Restricciones a las Emisiones de Carbón para Contrarrestar el Cambio Climático", (with Maria Ibarra), El Trimestre Económico, no. 270, April-June 2001

"The Value of Changes in Deer Season Length: An application of the Nested Multinomial Logit Model", With Kurt Schwabe, Peter Schuman, and K. Doroodian Environmental and Resource Economics, Vol 19 pp. 131-147, 2001.

"A CGE Treatment of Oil Shocks and US Economic Growth," The Journal of Energy and Development, with K. Doroodian (Autumn 2002), Vol. 27 pp. 43-68.

"Cost of Compliance with the Kyoto Protocol: A Developing Country's Perspective" (with Maria Ibarra), Energy Economics, 24, (2002).

"The Linkage between Economic Growth, Technological Advances, and Inflation," with K. Doroodian, Energy Policy, Vol 31(1), August 2003.

"Extreme Climate Events and Adaptation: An Exploratory Analysis of Drought in Mexico", with M. E. Ibarra, Environment and Development Economics, Vol 14 (3), June 2009.

Chimeli, A.B. and Boyd, R. "Prohibition and the supply of Brazilian mahogany". [Land Economics](#) (forthcoming)

Sharabaroff, A., Boyd, R. and Chimeli, A. "The environmental and efficiency effects of restructuring on the electric power sector in the United States. An empirical analysis" Energy Policy (forthcoming).

B. Other Published Work:

"The Costs and Benefits of a Gasoline Tariff," with Carol A. Dahl in World Energy Stability. Symposium Proceedings of the 7th annual North American meetings of the International Association of Energy Economists, Philadelphia, PA. (December 1985).

"Cost-Sharing on Non-Industrial Private Forests," in Nonindustrial Private Forests. Symposium Proceedings edited by J. P. Royer and D. C. Risbrunt (Duke University Press (1983)).

Review of The Federal Lands Revisited by Marion Clawson, Southern Economic Journal, Vol. 51, No. 3 (January 1985).

"Forest Taxation: Current Issues and Future Research," Research Note, USDA Forest Service (March 1986).

"U.S.-Canadian Trade: A Comparison of Sectoral and Regional Models," in Forest Sector and Trade Models: Theory and Applications. Edited by Peter Cardellicchio, Darius Adams, and Richard Haynes. University of Washington (November 1987).

"General Equilibrium Analysis of Tax Reform: Forest Sector Impacts," with David Newman. In Proceedings of the 1988 Southern Forest Economics Workshop. Edited by Robert C. Abt. University of Florida (May 1988).

"An Economic Model of Direct and Indirect Effects of Tax Reform on Agriculture," United States Department of Agriculture, Economic Research Service. Technical Bulletin Number 1743 (February 1988).

"Changes in World Oil Prices, 1980-1988: A General Equilibrium Perspective," with Rajindar K. Koshal and Noel Uri. In Petroleum Markets in the 1980: A Decade of Decline. Edited by Siamack Shajai and Bernard Katz, pp. 131-151 (Praeger: New York).

"Income Distribution Effects of Policies to Mitigate Greenhouse Gases", with M. E. Ibarra, in Impacts of Climate Change and Natural Disasters, Concepts and Cases, ed. M. Ruth, Edward Elgar Publishers, Forthcoming.

Research Grants

Department of Natural Resources, Division of Wildlife, Economic Impact of Ohio Wildlife Area Recreation Activities to develop and evaluate a survey of wildlife area economic impact in Ohio, (Winter 1997).

Grant from the Secretary of Social Development and Environment in Mexico (SEDOSOL) to develop General Equilibrium Model of Mexico. (Fall 1994).

USDA Cooperative Agreement from the USDA Economic Research Service to examine the costs of carbon sequestration to alleviate Global warming. (Spring 1994).

Subcontractor on Grant USDA Forest Service Southeast Experiment Station (Spring 1992).

Grant from World Resources Institute (Fall 1991).

Subcontractor on a Grant from the Department of Energy (Summer 1991).

Grant from Forestry Canada (Summer 1990).

USDA Forest Service Southeast Experiment Station Grant (Summer 1984).

USDA Forest Service Southeast Experiment Station Grant (Summer 1983).

UWM Faculty Research Grant (Spring 1983).

USDA Forest Service Southeast Experiment Station Grant (Summer 1982).

USDA Forest Service and Mellon Foundation Grants for dissertation writing (1980-1981).