

CURRICULUM VITAE

JAY S. COGGINS

IDENTIFYING INFORMATION

Academic Rank, Current Position

Professor of Applied Economics
Graduate Faculty in Applied Economics
Graduate Faculty in Conservation Biology
Member, Affiliated Faculty, Interdisciplinary Center for the Study of Global Change

Education

Degree	Institution	Date Degree Granted
B.S.	University of Wisconsin–River Falls Animal Science	1983
M.S.	University of Minnesota Agricultural and Applied Economics	1985
Ph.D.	University of Minnesota Agricultural and Applied Economics (Terry Roe, Ph.D. Advisor)	1989

Positions/Employment

University of Minnesota, Twin Cities (1995–present)	
Professor, Applied Economics	2015–present
Director of Graduate Studies, Applied Economics	2002–06
Associate Professor, Applied Economics	1997–2015
Assistant Professor, Applied Economics	1995–97
University of Wisconsin	
Assistant Professor, Agricultural Economics	1991–95
Montana State University	
Assistant Professor, Agricultural Economics and Economics	1989–91

Current Membership in Professional Organizations

Association of Environmental and Resource Economists
American Economic Association
Risk Theory Society
Midwest Economic Association
Agricultural and Applied Economics Association

Other Professional Affiliations

Policy Fellow, Growth and Justice, St. Paul, MN, 2012–present

HONORS AND AWARDS FOR RESEARCH/CREATIVE WORK, TEACHING, PUBLIC ENGAGEMENT, AND SERVICE

University of Minnesota

Award for Outstanding Contributions to Postbaccalaureate, Graduate, and Professional Education, University of Minnesota, 2014

Graduate Faculty Distinguished Teaching Award, College of Food, Agricultural, and Natural Resource Sciences, University of Minnesota, 2013

Outstanding Doctoral Dissertation, Department of Applied Economics, University of Minnesota, 1989

Graduate School Doctoral Dissertation Fellowship, University of Minnesota, 1988–89

National Research Council and U.S.D.A. National Needs Doctoral Fellowship, 1985–88

University of Minnesota Graduate School Tuition Fellowship, 1986

Other awards

Taylor-Hibbard Outstanding Teaching Award, University of Wisconsin, 1992

Chancellor's Award, University of Wisconsin–River Falls, 1983

Outstanding Senior, College of Agriculture, University of Wisconsin–River Falls, 1983

Member of Alpha Zeta, Gamma Sigma Delta, and Phi Kappa Phi

Visiting Professorships or Visiting-Scholar Positions

School of Natural Resources and the Environment, University of Michigan, 2000–01

PUBLICATIONS

Journal Articles and Book Chapters

Goodkind, Andrew L. and Jay S. Coggins, “The Weitzman Price Corner,” forthcoming, *Journal of Environmental Economics and Management*, 2015 (working paper available).

Konishi, Yoshifumi, Jay S. Coggins, Bin Wang, “Water Quality Trading: Can We Get the Prices of Pollution Right?” *Water Resources Research*, 51 (2015), 1–19. [DOI: 10.1002/2014WR015560]

Pope, C. Arden III, Maureen Cropper, Jay S. Coggins, and Aaron Cohen, “Health Benefits of Air Pollution Abatement Policy: Role of the Shape of the Concentration-Response Function,” *Journal of the Air & Waste Management Association*, 65:5 (2015), 516–522. [DOI: 10.1080/10962247.2014.993004]

Goodkind, Andrew L., Jay S. Coggins, and Julian D. Marshall, “A Spatial Model of Air Pollution: the Impact of the Concentration-Response Function,” *Journal of the Association of*

- Environmental and Resource Economists*, 1:4 (2014), 451–479. [DOI: 10.1086/678985]
- Brown, Ross N., Charles R. Blinn, Michael A. Kilgore, and Jay S. Coggins, “Paired-Bidding Analysis of Reserve Price and Contract-Length Effects on Minnesota Stumpage,” *Northern Journal of Applied Forestry*, 30 (2013), 85–91.
- Brown, Ross N., Michael A. Kilgore, Jay S. Coggins, Charles R. Blinn, “The Impact of Timber Sale Tract, Policy, and Administrative Characteristics on State Stumpage Prices: An Econometric Analysis,” *Forest Policy and Economics*, 21 (2012), 71–80.
- Brown, Ross N., Michael A. Kilgore, Charles R. Blinn, Jay S. Coggins, “Barriers to Effective State Timber Sale Program Administration: A Qualitative Assessment,” *Journal of Forestry*, July/August (2012), 249–256.
- Brown, Ross N., Michael A. Kilgore, Charles R. Blinn, Jay S. Coggins, “State Timber Sale Programs, Policies, and Procedures: A National Assessment,” *Journal of Forestry*, July/August (2012), 239–248
- Goychuk, Denys, Michael A. Kilgore, Charles R. Blinn, Jay Coggins, and Randall K. Kolka, “The Effect of Timber Harvesting Guidelines on Felling and Skidding Productivity in Minnesota,” *Forest Science*, 57 (2011), 393–407.
- Coggins, Jay and Steven Taff, “Water-Quality Trading and the Effects of Agricultural and Energy Policy on Water Quality in Minnesota,” in K.W. Easter and J. Perry, eds., *Minnesota Water Policy: Dividing the Waters*, (Washington, DC: Resources for the Future, 2011).
- Dadaser-Celik, Filiz, Jay S. Coggins, Patrick L. Brezonik, and Heinz G. Stefan, “The Projected Costs and Benefits of Water Diversion From and to the Sultan Marshes (Turkey),” *Ecological Economics*, 68 (2009), 1496–1506.
- Konishi, Yoshifumi and Jay S. Coggins, “Environmental Risk and Welfare Under Imperfect Information,” *Resource and Energy Economics*, 30 (2008), 150–169.
- Atella, Vincenzo, Perali, Federico, and Jay Coggins, “Aversion to Inequality in Italy and its Determinants,” *Journal of Economic Inequality*, 2 (2004), 117–144.
- Chavas, Jean-Paul and Jay S. Coggins, “On Fairness and Welfare Analysis Under Uncertainty,” *Social Choice and Welfare*, 20 (2003), 203–228.
- Moledina, Amyaz, Jay S. Coggins, Steven Polasky, and Christopher Costello, “Dynamic Environmental Policy with Strategic Firms: Prices versus Quantities,” *Journal of Environmental Economics and Management*, 45 (2003), 356–376.
- Johansson, Robert and Jay S. Coggins, “Union Density Effects in the Supermarket Industry,” *Journal of Labor Research*, 23 (2002), 673–684.
- Coggins, Jay S. and Paolo Rosato, “Market-Based Mechanisms for Environmental Improvement, in Maurizio Canavari, Paolo Caggiati, and K. William Easter, eds., *Economic Studies on Agriculture and the Environment*, (New York: Kluwer Academic/Plenum Publishers, 2002).
- Morgan, Cynthia L., Jay S. Coggins, and Vernon R. Eidman, “Tradable Permits for Controlling Nitrates in Groundwater at the Farm Level: A Conceptual Model,” *Journal of Agricultural*

- and *Applied Economics*, 32 (2000), 249–258.
- Coggins, Jay S. and Ben Senauer, “Innovation in Grocery Retailing,” in David C. Mowery, Editor, *U.S. Industry in 2000: Studies in Competitive Performance*, (Washington D.C.: National Academy Press, 1999).
- Coggins, Jay S. and Cyrus Ramezani, “An Arbitrage-Free Approach to Quasi-Option Value,” *Journal of Environmental Economics and Management*, 34 (1998), 103–125.
- Coggins, Jay S. and C. Federico Perali, “64%-Majority Rule in Ducal Venice: Voting for the Doge,” *Public Choice*, 97, 709–723, 1998.
- Coggins, Jay S. and John R. Swinton, “The Price of Pollution: A Dual Approach to Valuing SO₂ Allowances,” *Journal of Environmental Economics and Management*, 30 (1996), 58–72.
- Coggins, Jay S., “Virtual Decisions Under Imperfect Competition: The International Coffee Agreement,” in I. Sheldon and P. Abbott, eds., *Industrial Organization and Trade in the Food and Related Industries*, (Boulder, CO: Westview Press, 1995).
- Coggins, Jay S., “Rent Dissipation and the Social Cost of Price Policy,” *Economics and Politics*, 7 (1995), 147–166.
- Coggins, Jay S., “Rationalizing the International Coffee Agreement Virtually,” *Review of Industrial Organization*, 10 (1995), 339–359.
- Coggins, Jay S. and Jerome W. Hammond, “Component Values for Milk Used in Cheddar Cheese,” *Review of Agricultural Economics*, 16 (1994), 251–261.
- Coggins, Jay S. and David S. Bullock, “Evaluating the Behavior of International Cartel Members,” *American Journal of Agricultural Economics*, invited paper, 75 (1993), 1231–1237.
- Coggins, Jay S. and Vincent H. Smith, “Some Welfare Effects of Emission Allowance Trading in a Twice-Regulated Industry,” *Journal of Environmental Economics and Management*, 25 (1993), 275–297.
- Tweeten, Luther and Jay S. Coggins, “Political Preference Functions and Public Policy Reforms: Comment,” *American Journal of Agricultural Economics*, 74 (1992), 223–226.
- Coggins, Jay S., Theodore Graham-Tomasi, and Terry L. Roe, “Existence of Equilibrium in a Lobbying Economy,” *International Economic Review*, 32 (1991), 533–550.

In Progress

- Marshall, Julian D., Joshua S. Apte, Jay S. Coggins, and Andrew L. Goodkind, “Blue Skies Bluer?” under review, *Environmental Science & Technology*, June, 2015.
- Aultman, Stephen, Jay S. Coggins, and Terrence M. Hurley, “An Insurance Mechanism for Public Goods Under Uncertainty,” under review, *Journal of Public Economics*, June 2015 (working paper available).
- Coggins, Jay S., Andrew L. Goodkind, Jason (Quang) Nguyen, and Zhiyu Wang, “Price Effects and Windfall Environmental Profits,” under review, *Journal of Environmental Economics and Management*, May 2015.

Bael, David L., Jay S. Coggins, Lawrence A. Baker, Kristen Nelson, “Energy Poverty,” submitted to *Energy Policy*, May 2013 (working paper available).

Goodkind, Andrew L., Jay S. Coggins, Timothy A. Delbridge, Milda Irhamni, Justin Andrew Johnson, Suhyun Jung, Julian D. Marshall, Bijie Ren, Martha H. Rogers, Joshua A. Apte, “Prices *vs.* Quantities With Increasing Marginal Benefits,” December 2013 (working paper available).

Non-refereed journal articles and reports

Coggins, Jay S., Thomas Legg, Dane Smith, “Widening Economic Inequality in Minnesota: Causes, Effects, and a Proposal for Estimating Inequality Impact for Policy-Makers,” Growth and Justice White Paper, August 2013.

Konishi, Yoshifumi, Jay Coggins, and Steven Taff, “On the Key Elements of the Vermillion Thermal Trading Program: What do We Still Need to Figure Out?” report prepared for the Vermillion River Watershed Joint Powers Organization, March 2008.

Coggins, Jay and Vernon W. Ruttan. “U.S. Emission Permit System,” *Science*, vol. 284, April 9, 1999.

Rose, Kenneth, Robert E. Burns, and Jay S. Coggins, “Public Utility Commission Implementation of the Clean Air Act’s Allowance Trading Program,” National Regulatory Research Institute Report NRRI 92–6, July 1992.

Coggins, Jay S., “Emission Allowance Trading and the SO₂ Tonnage Cap: An Economic Interpretation,” *Quarterly Bulletin*, 12 (1991), 333–344.

Popular Press

Coggins, Jay S., “And the Money Goes To . . . Fossil Fuels,” *Minneapolis StarTribune*, March 6, 2012.

Coggins, Jay S. “Flat Taxes Make Fat Cats Fatter—We Need More and Higher Tax Brackets,” *MinnPost*, December 9, 2011.

Coggins, Jay S. “Lets Reduce Garbage-Truck Traffic,” *Park Bugle*, October 23, 2011.

Coggins, Jay S. “Obama Stands Down on Ozone. A Betrayal? No,” *Minneapolis StarTribune*, September 19, 2011.

Coggins, Jay S., “Rich are Getting Richer? Exactly Right,” *Minneapolis StarTribune*, March 29, 2011.

GRANTS AND CONTRACTS RECEIVED

External sources

Environmental Protection Agency; Air, Climate, and Energy (ACE) Centers. “Center for Air, Climate, and Energy Solutions.” Principle investigators: Allen Robinson (Carnegie Mellon University) and Julian Marshall (University of Minnesota), with 20 co-PIs. 2015–2020. Project budget: \$10 million. Proposal submitted on September 1, 2014.

Minnesota Forest Resource Council. “Identifying Factors Influencing Willingness to Pay for Public Stumpage,” Principle Investigator: Mike Kilgore; co-PIs: Charlie Blinn and Jay Coggins. 2008–2009. Project budget: \$195,015.

U.S.EPA and Dakota County, MN. “Creating the Optimal Regulatory and Market Framework to Preserve Stream Flow and Temperature Stability in an Urbanizing Trout Stream in the Midwest,” EPA Targeted Watershed Grant. 2005–2008. \$95,000

National Science Foundation. “Integrated Environmental-Economic Analysis of GDP and Productivity.” Principle Investigators: Jay S. Coggins, Shunrong Qi. 2000–2002. Project budget: \$157,097.

United States Department of Agriculture, National Research Initiative. “Tradeable Permits for Controlling Nitrate Pollution of Domestic Groundwater Supplies.” Principle Investigators: Vernon R. Eidman, Jay S. Coggins, and John L. Nieber. 1998–2000. Project budget: \$91,065.

North Central Regional Center for Rural Development. “Recreational Housing in the Upper Great Lake States.” Principal Investigators: David Marcouiller, Gary Green, Steven C. Deller, Jay Coggins, and N.R. Sumathi. 1994–1995. Project budget: \$10,000.

University of Wisconsin College of Agriculture and Life Sciences, Hatch project No. 3584. “Government Decision-Making and Agricultural Economic Policy.” Principle Investigator: Jay S. Coggins. 1992–1995. Project budget (annual): \$19,224.

Internal, University of Minnesota:

Institute for Renewable Resources and the Environment, University of Minnesota. “Understanding Drivers of Whole-Household Energy Conservation in Minnesota Using the Twin Cities Household Ecosystem Project.” 2011–2012. Project budget: \$69,356.

The Retail Food Industry Center. “An Analysis of the Structure of Earnings (Wages, Salaries, and Benefits) in the Retail Foodstore Industry.” Principle Investigators: Jay S. Coggins and Benjamin Senauer. 1996. Project budget: \$36,683.

Wisconsin Sea Grant Institute. “Conditioned Risk and the Evaluation of Great Lakes Projects.” Principal Investigators: Erhard Joeres and Jay S. Coggins; Co-PI: Kenneth Potter. 1993–1995. Project budget (annual): \$59,048.

The Graduate School Research Committee, University of Wisconsin. “Market-Based Pollution Control: The Acid Rain Case.” Principle Investigator: Jay S. Coggins. 1992. Project budget: \$9,667.

National Regulatory Research Institute. “Economic Analysis of Emission Allowance Trading: A Production Theoretic Approach.” Principle Investigator: Jay S. Coggins. 1990. Project budget: \$11,280.

CONFERENCE PRESENTATIONS AND INVITED SEMINARS

Wester Economics Association International, “Fine Particulate Pollution and Human Health: Economics, Epidemiology, and Policy,” Honolulu, Hawaii, June 30, 2015.

Midwest Economics Association, “Price Effects and Windfall Environmental Profits,” (with A.

- Goodkind, J. Nguyen, and B. Wang), Minneapolis, MN, March 28, 2015.
- University of Minnesota Population Center, “*Capital* in a Medieval Farming Village, February 20, 2015.
- Webinar, Michigan State University Extension, “Piketty’s *Capital* and Inequality of Income and Wealth,” January 15, 2015.
- Department of Agricultural and Applied Economics, University of Wisconsin, “Piketty’s *Capital* in a Medieval Farming Village,” December 5, 2014.
- American Applied Economics Association, “American Inequality: High and Rising,” Minneapolis, MN, July 29, 2014.
- Risk Theory Society, “An Insurance Mechanism for Public Goods Under Uncertainty,” (with Stephen Aultman and Terry Hurley), Munich, Germany, May 16, 2014.
- Midwest Economics Association, “An Insurance Mechanism for Public Goods Under Uncertainty,” (with Stephen Aultman and Terry Hurley), Evanston, IL, March 24, 2014.
- University of Minnesota Department Economics, “An Insurance Mechanism for Public Goods Under Uncertainty,” (with Stephen Aultman and Terry Hurley), February 24, 2014.
- Michigan State University Department of Agricultural, Food, and Resource Economics, “An Insurance Mechanism for Public Goods Under Uncertainty,” (with Stephen Aultman and Terry Hurley), February 13, 2014.
- Minnesota Pollution Control Agency, “Environmental Policy with Increasing Marginal Benefits,” (with Andrew Goodkind and Julian Marshall), October 17, 2013.
- Annual Conference on Policy Analysis, College of Continuing Education, University of Minnesota, “Policy Solutions to Minnesotas Growing Disparities,” October 16, 2013.
- Association of Environmental and Resource Economists 2013 Summer Conference, “Water-Quality Trading: Can We Get the Price of Pollution right?” (with Yoshifumi Konishi and Bin Wang), Banff, Alberta, June 7–9, 2013.
- Environmental Protection Agency, Region 5, Air and Radiation Division, Chicago, “Environmental Policy with Increasing Marginal Benefits,” (with Andrew Goodkind and Julian Marshall), May 23, 2013.
- Brigham Young University Department of Economics, “Environmental Policy with Increasing Marginal Benefits,” March 14, 2013.
- Brigham Young University Department of Economics, “A History of the Clean Air Act,” March 15, 2013.
- University of Minnesota Public Sector Economics Workshop, “Inequality and the Dayton Tax-Budget Plan,” (with Dane Smith), March 6, 2013.
- University of Minnesota Department of Applied Economics, “Insurance, Efficient Mechanism Design, and Public Goods Under Uncertainty,” (with Stephen Aultman and Terrence Hurley), February 25, 2013.

- University of Wisconsin Department of Agricultural and Applied Economics, “Environmental Policy with Increasing Marginal Benefits,” February 1, 2013.
- World Bank-International Monetary Fund Environmental Seminar, “Prices *vs.* Quantities With Increasing Marginal Benefits,” (with Andrew Goodkind *et al.*), November 14, 2012.
- Canadian Resource and Environmental Economics Conference, “Water-Quality Trading: Can We Get the Price of Pollution right?” (with Yoshifumi Konishi and Bin Wang), Vancouver, BC, Sept 29–30, 2012.
- Resources for the Future, “Prices *vs.* Quantities With Increasing Marginal Benefits,” (with Andrew Goodkind *et al.*) July 18, 2012.
- EPA National Center for Environmental Economics, “Prices *vs.* Quantities With Increasing Marginal Benefits,” (with Andrew Goodkind *et al.*) July 17, 2012.
- USDA Economic Research Service, “Prices *vs.* Quantities With Increasing Marginal Benefits,” (with Andrew Goodkind *et al.*) July 16, 2012.
- Iowa State University Department of Economics, “Prices *vs.* Quantities With Increasing Marginal Benefits,” (with Andrew Goodkind *et al.*) April 18, 2012.
- University of Minnesota Department of Applied Economics, “Water Quality Trading: Can We Get the Prices of Pollution Right?” (with Yoshifumi Konishi and Bin Wang), September 26, 2011.
- Minnesota Water Resources Conference, “On the Impossibility of Water-Quality Trading,” October 20, 2010.
- AIA-Minnesota State Convention, “Architecture and the Economics of Climate Change,” November 13, 2009.
- AIA-Minnesota Committee on the Environment, “The How and Why of Reducing Greenhouse-Gas Emissions,” May 19, 2009.
- Metropolitan Energy Policy Coalition, “The How and Why of Reducing Greenhouse-Gas Emissions,” May 7, 2009.
- Association of Minnesota Counties, “The How and Why of Reducing Greenhouse-Gas Emissions,” April 20, 2009.
- University of Minnesota Raptor Center, “Social and Economic Aspects of Wildlife Disease Surveillance,” January 12, 2009.
- Minnesota Water Resources Conference, Brooklyn Center, MN, “Markets to Improve the Environment,” October 23, 2007.
- University of Chicago, Organizations and State-Building Workshop, “Institutional Mechanisms of the Venetian Republic,” April 28, 2003.
- Heartland Environmental and Resource Economics Workshop, Ames, Iowa, “Marketable Emissions Permits with Large Firms or a Large Market,” (with J.H. Lee and S. Polasky) September 22–23, 2002.

- University of Minnesota, Department of Applied Economics, "Voting for Equity: Estimating Society's Preferences Toward Inequality," (with F. Perali), September 20, 2002.
- University of Minnesota, Department of Applied Economics, "Marketable Emissions Permits with Large Firms: Bargaining and Efficiency," (with J.H. Lee and S. Polasky), January 28, 2002.
- Public Choice Society Annual Meeting, "Voting for Equity: Estimating Society's Preferences Toward Inequality," (with F. Perali), San Antonio, TX, March 9–11, 2001.
- AAEA Annual Meeting, Chicago, IL, "Integrated Environmental-Economic Analysis of GDP and Productivity," (with S. Qi), July 30, 2001.
- University of Michigan, Department of Economics, "Dynamic Environmental Policy with Strategic Firms: Prices versus Quantities," (with A. Moledina and S. Polasky), September 22, 2000.
- Symposium in Honor of Luther Tweeten's Contributions to the Agricultural Economics Profession, "Do Farmers Receive Huge Rents from Small Lobbying Efforts? Toward a Dynamic Theory of Rent Dissipation," (with David S. Bullock), September 10-11, 2000, The Ohio State University.
- Fifth Joint Conference of Agriculture, Food and Environment, "Market-Based Mechanisms for Environmental Improvement," (with Paolo Rosato), Bologna, Italy, June 12–14, 2000.
- University of Wisconsin, Department of Agricultural and Applied Economics, "Dynamic Environmental Policy with Strategic Firms," (with A. Moledina), December 3, 1999.
- Heartland Environmental and Resource Economics Workshop, Ames, Iowa, "Dynamic Environmental Policy with Strategic Firms," (with A. Moledina), September 19–21, 1999.
- University of Alberta, Department of Rural Economy, "Was FAIR Fair to U.S. Corn Growers?" (with T. Stinson and C. Ramezani), May 1, 1998.
- National Research Council, STEP Board Workshop on Industry Studies, Washington, DC, "Innovation in Grocery Retailing," (with B. Senauer), December 1997.
- University of Wisconsin, Dept. of Agr. and Applied Economics, "An Arbitrage-Free Approach to Quasi-Option Value," (with C. Ramezani), November 22, 1996.
- Ohio State University, Dept. of Agr. Economics, "An Arbitrage-Free Approach to Quasi-Option Value," (with C. Ramezani), November 7, 1996.
- Canadian Resource and Environmental Economics Study Group Annual Meeting, "An Arbitrage-Free Approach to Quasi-Option Value," (with C. Ramezani), Montreal, Canada October 5–6, 1996.
- Fifth Joint Conference of Agriculture, Food and Environment, "Quasi-Option Value in Natural Resource Decisions: Luck or Learning?" (with C. Ramezani), Abano, Italy, June 17–19, 1996.
- Public Choice Society Annual Meeting, "Rationalizing Virtual Social Decisions," (with Y. Yao), Houston, TX, April 12–14, 1996.
- Annual meeting of the Southern Information Exchange Group 70, "Quasi-Option Value in Natural

- Resource Decisions: Luck or Learning?" (with C. Ramezani), Gulf Shores, AL, March 21–23, 1996.
- Midwest Political Science Association Annual Meeting, "64%-Majority Rule in Ducal Venice: Voting for the Doge," (with F. Perali), Chicago, IL, April 6–8, 1995.
- Public Choice Society Annual Meeting, "Rationalizing Local Public Spending Decisions," (with S. Deller), Long Beach, CA, March 24–26, 1995.
- Public Choice Society Annual Meeting, "64%-Majority Rule in Ducal Venice: Voting for the Doge," (with F. Perali), Long Beach, CA, March 24–26, 1995.
- North Carolina State University, Dept. of Agr. and Res. Economics, "The Price of Pollution: A Dual Approach to Valuing SO₂ Allowances," (with J. Swinton) October 28, 1994.
- University of Wisconsin, Dept. of Economics, "Rationalizing Virtual Social Decisions," (with Y. Yao) October 7, 1994.
- University of Wisconsin, Dept. of Agr. Economics, "The Price of Pollution: A Dual Approach to Valuing SO₂ Allowances," (with J. Swinton) September 16, 1994.
- Purdue University, Dept. of Agr. Economics, "Implementing Agricultural Policy Virtually: The Case of Set-Aside," September 1, 1994.
- Association of Environmental and Resource Economists Annual Meeting, "The Price of Pollution: A Dual Approach to Valuing SO₂ Allowances," (with J. Swinton), San Diego, CA, August 6–10, 1994.
- University of Wisconsin–Milwaukee, Dept. of Economics, "Implementing Agricultural Policy Virtually: The Case of Set-Aside," April 15, 1994.
- University of Maryland, Dept. of Agr. and Resource Economics, "Implementing Agricultural Policy Virtually: The Case of Set-Aside," March 25, 1994.
- NCR-182 Conference entitled Trade and the Food Industries: Public and Social Choice, "Political Economy, Trade and the Food Industries," Washington D.C., March 24, 1994.
- Institut D'Economie Industrielle Conference entitled Agricultural Markets: Mechanisms, Failures, Regulations, "Rationalizing the International Coffee Agreement Virtually," Toulouse, France, October 21–23, 1993.
- University of Minnesota, Dept. of Agr. and Applied Economics, "Voting for Equity: Estimating Society's Preferences Toward Inequality" (with F. Perali) October 1, 1993.
- European Agricultural Economics Association VII European Congress, "Voting for Equity: Estimating Society's Preferences Toward Inequality" (with F. Perali), Stresa, Italy, September 6–10, 1993.
- American Agricultural Economics Association Annual Meeting, "Evaluating the Behavior of International Cartel Members" (with D. Bullock), invited paper, Orlando, FL, August 1–4, 1993.
- NC-194 Conference entitled Empirical Studies of Industrial Organization and Trade in the Food

and Related Industries, “Virtual Decisions Under Imperfect Competition: The International Coffee Agreement,” Indianapolis, IN, April 7–8, 1993.

University of Wisconsin, Dept. of Economics, Public Economics Workshop, “Rationalizing the International Coffee Agreement Virtually,” May 4, 1993.

University of Illinois, Dept. of Agricultural Economics, “Virtual Decisions Under Imperfect Competition: The International Coffee Agreement,” March 26, 1993

Ohio State University Dept. of Agr. Economics and Rural Sociology, “Implementing Economic Policy Virtually,” October 22, 1992.

American Agricultural Economics Association Annual Meeting, “Rent Dissipation and the Social Cost of Price Policy,” Baltimore, MD, August 9–12, 1992.

Western Economic Association Annual Meeting, “Welfare Effects of Emission Allowance Trading in a Twice-Regulated Industry,” (with V. Smith) San Francisco, CA, July 10–12, 1992.

Association of Environmental and Resource Economists Annual Meeting, “Environmental Control and Emission Allowance Trading: The Case of Regulated Utilities,” (with V. Smith), Manhattan, KS, August 5–8, 1991.

University of California, Davis, Dept. of Agr. Economics, “Existence of Equilibria in Lobbying Economies,” October 20, 1989.

University of California, Berkeley, Dept. of Agr. and Resource Economics, “On the Welfare Consequences of Political Activity,” October 14, 1989.

Ohio State University, Dept. of Agr. Economics and Rural Sociology, “On the Welfare Consequences of Political Activity,” September 22, 1989.

Cornell University, Dept. of Agr. Economics, “Existence of Equilibria in Lobbying Economies,” September 20, 1989

Yale University, Economic Growth Center, “On the Welfare Consequences of Political Activity,” September 18, 1989.

University of Maryland, Dept. of Agr. and Resource Economics, “On the Welfare Consequences of Political Activity,” September 14, 1989.

American Agricultural Economics Association Annual Meeting, “Component Pricing of Producer Milk Using Estimated Cheese Yield: A Production Function Approach” (with J. Hammond), Knoxville, TN, July 31–August 3, 1988.

PUBLIC LECTURES

Federal Reserve Bank of Minneapolis, Student Essay Contest, “*Capital* in a Medieval Farming Village,” Minneapolis, May 1, 2015.

Bethel College, “Economic Justice, Inequality, and Faith,” Arden Hills, MN, March 26, 2015.

St. Anthony Park United Methodist Church, “Income and Wealth Inequality in America,” St. Paul, MN, February 15, 2015.

- Alexandria Technical and Community College, "Income and Wealth Inequality in America," Alexandria, MN, September 25, 2014.
- CivicCaucus.org, "Does Income Inequality Retard economic Growth, Reduce Competitiveness?" July 11, 2014.
- Osher Lifetime Learning Institute Short Course, Minneapolis, "Income and Wealth Inequality: Causes and Solutions," May 5, 2014.
- Osher Lifetime Learning Institute Short Course, Minneapolis, "The Facts of Income and Wealth Disparity," March 31, 2014.
- Testimony before the Minnesota Legislative Commission on Planning and Fiscal Policy, "Inequality Trends in Minnesota and the U.S.," December 18, 2013. Video link at www.huffingtonpost.com/2013/12/19/david-hann-income-inequality_n_4474994.html
- Osher Lifetime Learning Institute Short Course, "Income and Wealth Disparity in the U.S.: Economic, Moral, and Ethical Implications for Future Generations," Co-instructor, Sept 23-Nov 4, 2013.
- Minnesota Center for Economic Education, University of Minnesota, "Inequality in American and Minnesota," August 14, 2013.
- Public Sector Economics Workshop, Dept of Applied Economics, "Inequality and the Dayton Tax-Budget Plan," March 6, 2013.
- University of Minnesota Alumni Association, Dakota County chapter, "Rich Are Getting Richer? Exactly Right," November 7, 2012.
- OLLI Round Table, Jewish Community Center, "Income Inequality in the U.S.," October 22, 2012.
- Osher Lifetime Learning Institute, "Rich Are Getting Richer? Exactly Right," September 18, 2012
- Mayflower United Church of Christ, "Demystifying American Economic Inequality," May 13, 2012.
- American Association of University Women, Minneapolis, "Income Inequality and the Subsidies of the Rich and Famous," March 26, 2012.
- University of Minnesota Alumni Association, Mankato chapter, "Rich Are Getting Richer? Exactly Right," March 19, 2012.
- The Theater of Public Policy, Hugs Theater, Minneapolis, "The Economics of Inequality," February 23, 2012.
- Stillwater Library Seminar Series, "Rich Are Getting Richer? Exactly Right," November 12, 2011.
- University of St Thomas, Salim Center Lecture, "Demystifying American Economic Inequality," October 13, 2011.
- University of Minnesota Alumni Association, Stillwater chapter, "Rich Are Getting Richer? Ex-

actly Right,” September 29, 2011.

Minnesota Council on Economic Education Summer Workshop, “Inequality in America: Facts and Figures,” August 9, 2011.

Minnesota Council on Economic Education Summer Workshop, “The Economics of Climate Change,” August 12, 2009.

Minneapolis Federal Reserve, Student Essay Contest Awards Program, “Economics of Global Warming,” April 24, 2009.

Minneapolis South High School, “Inequality in America,” January 12, 2007.

College in the Schools Day, University of Minnesota, “Environmental Quality,” January 13, 2006.

Federal Reserve Bank of Minneapolis, Student Essay Contest Conference, “Income Inequality,” April 30, 2004.

College in the Schools Day, University of Minnesota, “Income Inequality,” January 6, 2004.

TEACHING AND CURRICULUM DEVELOPMENT

University of Minnesota

Courses taught (details of dates and student numbers in teaching section of this dossier)

ApEc 3002, Applied Microeconomics: Managerial Economics
ApEc 3611, Environmental and Natural Resource Economics
ApEc 5151, Applied Microeconomics: Firm and Household
ApEc 5860, Economics of Agricultural Production
ApEc 8004, Applied Microeconomic Analysis of Social Choice and Welfare
ApEc 8203, Welfare Economics
ApEc 8602, Economics of the Environment
CBio 8004, Economic and Social Aspects of Conservation Biology
DSSC 8310, Sustainability and the Global Environment
DSCC 8111, Ways of Knowing

Curriculum development

ApEc 8602, Economics of the Environment. I developed this course as a part of the Applied Economics Ph.D. field in Resource and Environmental Economics.

ApEc 8004, Applied Microeconomic Analysis of Social Choice and Welfare. Working with others, I developed this course as a part of a new core Ph.D. sequence in Microeconomic Theory.

Collaborative efforts and activities

During the period from 2003 to 2005, as Director of Graduate Studies, led a joint effort to revise and expand the graduate program in Applied Economics. For details, see the teaching section of this dossier.

University of Wisconsin

Courses taught

AgEc 722, Applied Public Economics
PAff 994, Economics of Regulation
AgEc 635, Applied Microeconomic Theory

Montana State University

Courses taught

Econ 561, Econometrics I
Econ 304, Microeconomic Theory
Econ 321, Agricultural Marketing

ADVISING AND MENTORING

Undergraduate student activities

Undergraduate research projects. I have advised several independent-study projects over the years.

Undergraduate advising. I regularly advise eight to ten undergraduate students per year.

Master's theses directed (University of Minnesota unless otherwise noted)

Nahyeon Bak, "Putting a Price on Trash: Does Charging for Food Waste Reduce Total Waste? The Case of Korea," 2014

Sujhav Pun, Conservation Biology, "Estimation of Deforestation and Degradation in Terai Arc Landscape (TAL) Forests of Nepal Using Landsat Images and Assessment of Prospects of REDD Program in the Region," 2013

Michael Zajicek, "Water-Quality Trading on the Minnesota River: Lessons Learned from the Jordan Trading Unit," 2013

Bin Wang "Using the Hung-Shaw Model for Vermillion River Watershed Pollution Control," 2010

Michael Wacker, "The Supply Response of Vietnam Coffee Producers," 2008

Raghunath Rao, "Estimating the Costs of Mistaken Governance: The Case of Salesforce Compensation," 2006

Robert Johansson, "Wage Structure in the Supermarket Industry," 1997

Jay Stroebel, Applied Economics, "The Feasibility and Effects of a Futures Market for SO₂ Allowances," 1996

Diji Chandrasekharan, "Impact of Quasi-Option Value on Structural Flood Control Investments," University of Wisconsin, 1994

Master's student advisees, currently active

Xinshuo Zhang, Applied Economics
Qingtian Zhou, Applied Economics

Doctoral dissertations directed (University of Minnesota unless otherwise noted)

Bernardo Creamer, "Adoption of Emissions Abating Technologies by U.S. Electricity Producing Firms Under the SO₂ Emission-Allowance Market," 2012

Yoshi Konishi, "Essays on Economics of Information in Environmental Management," 2008

Ajay Behl, "A Framework for Analyzing the Impact of the Means-Tested Transfer Programs on Interfamily and Intrafamily Transfers and the Economy: An Application to the Food Stamp Program," 2006

James West, "What Takes Me Out to the Ballgame?" 2006

Glen Jones, "Broken Symmetry: Three Essays on the Dynamic Nature of Consumer Preferences," 2006

Shunrong Qi, "Efficiency, Productivity, National Accounts and Economic Growth with a Green View: Theory, Methodology and Applications," 2005

Lan Xu, "Environmental Kuznets Curve Hypothesis Revisited: With Approaches of Growth Theory and Statistical Analysis," 2003

Michele Villinski, "A Framework for Pricing Multiple-Exercise Option Contracts for Water," 2003

Paul Sotkiewicz, Economics, "Regulation and Permit Trading in the U.S. SO₂ Allowance Program," 2002

Jee Hoon Lee, "Market Power and the Performance of Permit Markets for the Control of Groundwater Nitrogen," 2002

Robert Johansson, "Point-Nonpoint Emissions Trading for Minnesota River Phosphorus," 2000

Cynthia Morgan, "Tradable Permits for Controlling Nitrate Pollution of Domestic Groundwater Supplies," 1999

John Swinton, Economics, University of Wisconsin, "The Shadow Price of Acid Rain Reduction: An Output Distance Function Approach to Empirical Estimation," 1996

Doctoral student advisees, currently active

Andrew Goodkind, Applied Economics

Zhiyu Wang, Applied Economics

Doctoral committees served on

Applied Economics

Martha Rogers, Applied Economics, 2014

Clint Pecenka, Applied Economics, 2011

Tetsuya Horie, Applied Economics, 2011

Stephen Aultman, Applied Economics, 2011

Matt Dalsanto, Applied Economics, 2010

Juan Dominguez, Applied Economics, member, 2008
Kshama Harpankar, Applied Economics, member, 2008
Michinori Uwasu, Applied Economics, member, 2008
Shefali Mehta, Applied Economics, member, 2007
Erik Nelson, Applied Economics, member, 2007
Nori Tarui, Applied Economics, member, 2005
Heman Lohano, Applied Economics, member, 2002
Lisa Mancino, Applied Economics, member, 2003
Elizabeth Marshall, Applied Economics, member, 2000
Richard Simmons, Applied Economics, member, 1998
Manane Annou, Applied Economics, member, 1999
Frank Lupi, Applied Economics, member, 1997
Michael Alexander, Applied Economics, member, 1997
Grant Hauer, Applied Economics, member, 1997
Michael Trueblood, Applied Economics, member, 1995

Other departments or institutions

Sun Hean, Conservation Biology, University of Minnesota, member, 2014
Ross Brown, Forest Resources, University of Minnesota, member, 2010
Ina Simonovska, Economics, University of Minnesota, member, 2009
Filiz Dadaser-Celik, Civil Engineering, University of Minnesota, member, 2007
Lawrence Grossback, Political Science, University of Minnesota, member, 2000
Toshi Arimura, Economics, University of Minnesota, member, 2000
Arnie Quinn, Economics, University of Minnesota, member, 1999
Tsungh-Hsiu Tsai, Agricultural Economics, University of Wisconsin, member, 1998
Atakelty Hailu, Rural Economy, University of Alberta, member, 1998
Yao Yang, Agricultural Economics, University of Wisconsin, member, 1996
Kyeong-Soo Jeong, Agricultural Economics, University of Illinois, member, 1996

SERVICE AND PUBLIC OUTREACH

Service to the profession

Journal reviewer experience

Resource and Energy Economics, Environmental and Resource Economics, Journal of Productivity Analysis, Ecological Economics International Economic Review, Journal of Environmental Economics and Management, American Journal of Agricultural Economics, Land Economics, Review of Agricultural Economics, American Journal of Political Science, Annals of Operations Research, Annals of Regional Science, Journal of Environmental Management, European Review of Agricultural Economics, Journal of Real Estate Finance and Economics, Canadian Journal of Forest Research, Resource and Energy Economics, Contemporary Economic Policy, Economic Issues, Journal of the Royal Society Interface

Committee memberships

Co-coordinator of selected papers in area of Non-Valuation for 2009 AAEA Annual Meetings

Co-coordinator of selected papers in area of Political Economy for 2008 AAEA Annual Meetings

Member, AAEA Communications Committee, 2002–03

Member, Editorial Council, *Journal of Environmental Economics and Management*, 2001–07

Associate Editor, *Journal of Environmental Economics and Management*, January 1995–December 1998

Member, AAEA Outstanding Ph.D. Thesis Selection Committee, 1996–98

Topic Leader for selected papers in Political Economy and Policy for the 1994 AAEA Annual Meetings

Review panels for external funding agencies, foundations, etc.

National Science Foundation

Israel Science Foundation

USDA National Research Initiative

USDA Western Regional Project W-133

USDA-CSREES, National Needs Fellowships

Ohio Sea Grant College Program (2)

National Oceanic and Atmospheric Administration (3)

National Sea Grant College Program

Blandin Foundation

BARD

Service to the University, College, and Department

University-wide service

Member, Graduate Research Advisory Committee, 2009–10

Member, Office of International Programs Advisory committee on water in the world, 2009

Member, International Program Faculty Advisory Committee, 2008-09

Member, Office of International Programs Circle Grant selection committee, 2006

Member, Office of International Programs ASIC Fellowship Development Committee, 2006–07

Member, International Center for Global Change Curriculum Revision Committee, 2006

Chair, Course Proposals Committee, Social Science Policy and Review Council, 2004–05

Member, University Senate, 1999–2002; 2005–2007

Collegiate and intercollegiate service

Faculty Consultative Committee, College of Food, Agriculture, and Natural Resource Sciences, 2007–2011, chair 2008-09

Member, Department of Economics Search Committee, 2001–2002

Member, Fesler-Lampert Chair Search Committee, 1999

Member, Interdisciplinary Center for Global Change Faculty advisory committee, 2007–13

Co-chair, OIP Graduate Fellowships selection committee, 2008

Member, Judd Fellowships selection committee, 2008

Departmental/unit service

Chair, Environment and Natural Resources Search Committee, 2013

Member, Econometrics Search Committee, 1998–1999, Department of Applied Economics, University of Minnesota

Member, Steering Committee, 1996–2010, Center for International Food and Agricultural Policy, University of Minnesota

Served as member or chair of several standing departmental committees, including the Graduate, Awards, Promotion and Tenure, and Priorities committees

Service to state and local organizations in Minnesota

Member, Minnesota Pollution Control Agency Water-Quality Trading Working Group, 2007–08