

May 2009

CURRICULUM VITAE

Catherine Louise Kling

HOME ADDRESS

613 Agg Avenue
Ames, Iowa 50014
(515) 292-4774

OFFICE ADDRESS

Department of Economics
Iowa State University
Ames, Iowa 50011
Phone: (515) 294-5767
FAX: (515) 294-4545

ELECTRONIC ADDRESSES

email: ckling@iastate.edu
<http://www.card.iastate.edu/environment>

EDUCATION

Ph.D. Economics, University of Maryland, College Park, Maryland, 1986

B.B.A. Business and Economics, University of Iowa, Iowa City, Iowa, 1981.

EXPERIENCE

Professor of Economics, Iowa State University, since 1996

Head, Resource and Environmental Policy Division, Center for Agricultural and Rural
Development, Iowa State University, since 1999

Visiting Researcher, University of East Anglia, U.K., School of Environmental Sciences,
Jan-July, 2009

Visiting Researcher, LEERNA-INRA, IDEI, University of Toulouse, France, Jan- July, 2003

Associate Professor of Economics, Iowa State University, 1993-1996

Associate and Assistant Professor of Agricultural Economics, University of California, Davis,
1986-1993

PROFESSIONAL AWARDS AND SERVICE

Fellow, American Agricultural Economics Association, 2006

U.S. Environmental Protection Agency, Science Advisory Board,
Executive Board, 2003-current,

Environmental Economics Advisory Committee, 1998-2003, Chair, 2006- current
Committee on Science Integration for Decision Making, 2009-2010, member

Hypoxia Advisory Panel, 2006-2008

Illegal Competitive Advantage Economic Benefit Advisory Panel, 2005

Who's Who in Economics, Fourth edition, 2003, Edited by M. Blaug and E. Vane

PROFESSIONAL AWARDS AND SERVICE (continued)

National Resource Council, National Academy of Sciences,
Committee on Health, Environmental, and Other External Costs and Benefits of Energy
Production and Consumption, 2008-2009, member
Agricultural Resource Management Survey Panel, 2006-2007, member
Committee to Assess the U.S. Army Corps of Engineers Methods of Analysis and Peer
Review for Water Resources Project Planning, 2002-2003, member

Research Awards:

Outstanding Journal Article Award, *Canadian Journal of Agricultural Economics*, 2007
with (L. Kurkalova and J. Zhao)
College of Agriculture and Life Sciences Team Award, 2008, (with T. Campbell, H.Feng,
P. Gassman, M. Jha, and S. Secchi)
First place and “Best of Show” award, EPA Science Forum Poster Competition,
Washington D.C., 2004 (with J. Herriges, J. Downing, and K. Egan)
American Agricultural Economics Association Poster Competition, 2006 2nd place award,
2005 2nd place award, 2004 2nd place award, and 2003 1st place award (with numerous
colleagues, Iowa State University)
Agricultural Economics Association Quality of Research Discovery Award, Honorable
Mention, 2001 (with D. Phaneuf and J. Herriges)
Agricultural Economics Association Quality of Research Discovery Award, Honorable
Mention, 2000 (with J. Herriges)
Western Agricultural Economics Association Outstanding Published Research, 1998
(with J. Rubin)

Editorial Appointments:

Applied Economics Perspectives and Policy, Editorial Board, 2009-current
Land Economics, Editorial Board, 2001-current
Journal of Agricultural and Resource Economics, Editorial Council, current
Journal of Environmental Economics & Management, Associate Editor, 1992-1993,
Editorial Council, 1988-1991, 1998-2005
American Journal of Agricultural Economics, Associate Editor, 1994-1996

Association of Environmental and Resource Economists Service:

Committee to Select Publication of Enduring Quality, Member, 2008-2010
Vice President, 2002-2003, Board of Directors, 1996-98
Nominating Committee, 1991, Member,
Contributed Papers Committee, 1991-1992, Member

American Agricultural Economics Association Service:

Nominating Committee, Member, 2008-2010
Board of Directors, Member, 2000-2003
Quality of Research Discovery Committee, 1996, Chair, 1994-1995, Member,
Selected Papers Committee, 1989, Co-Chair

Resources for the Future:

Selection Committee for “Frontiers in Environmental Economics Conference,” 2008
Selection Committee for John Krutilla memorial Stipend, 2008-current

Western Agricultural Economics Association:

M.S. Thesis Award Committee, 1992, Member,
Best Journal Article Committee, 1991, 1997, Member

Sloan Dissertation Fellow, University of Maryland, September 1985 to May 1986, Maryland
State Fellow, September 1982 to May 1985

PH.D. STUDENTS (major/co-major professor) and POST-DOCS, year of degree, first placement

Mira Nurmakhanova, 2008, Almaty State University, Kazakhstan, faculty appointment
Chih-Chen Liu, 2008, National University of Kaohsiung, Taiwan, Assistant Professor
Sergey Rabotyagov, 2007, University of Washington, Seattle, Assistant Professor
Christopher Burkart, 2006, University of Western Florida, Assistant Professor
Shikha Marwah, 2003, St. Edwards University, Lecturer
Kevin Egan, 2003, University of Toledo, Assistant Professor
Jay Corrigan, 2001, Kenyon College, Assistant Professor
Silvia Secchi (post-doc), 2001, Southern Illinois University, Assistant Professor
Christopher Azevedo, 2000, Central Missouri State University, Assistant Professor
Uwe Schneider (post-doc), 1999, University of Hamburg, Germany, Lecturer
Hongli Feng, 1999, Center for Agric. and Rural Development, Iowa State University
Lyubov Kurkalova (post-doc), 1999, Southern Illinois University, Assistant Professor
John Crooker, 1998, Texas Tech University, Assistant Professor
Daniel Phaneuf, 1996, North Carolina State University, Assistant Professor
Jonathan Rubin, 1990, University of Tennessee, Assistant Professor
Marca Weinberg, 1989, Economic Research Service, USDA

COURSES TAUGHT

Advanced Natural Resource and Environmental Economics - Graduate (Iowa State University
and University of California, Davis)
Principles of Microeconomics for Honors Students (Iowa State University)
Principles of Microeconomics with an Environmental Focus (Iowa State University)
Natural Resource and Environmental Economics (Iowa State University and UC Davis)
Quantitative Methods in Agricultural Economics (University of California, Davis)
Intermediate Microeconomics (University of California, Davis)
Principles of Economics (University of Maryland)

GRANTS AND CONTRACTS

US Environmental Protection Agency, STAR grant, “A Market Feasibility Assessment for Water
Quality Trading and Reverse Auctions in the Raccoon River Watershed,” (with P. Gassman, M.
Jha, K. Schilling, C. Wolters, and S. Rabotyagov), 2009-2010, \$200,000.

US Environmental Protection Agency, STAR grant, “A Market Feasibility Assessment for Reverse Auctions in the Walnut Creek Watershed,” (with P. Gassman, M. Jha, K. Schilling, C. Wolters, and S. Rabotyagov), 2009-2010, \$200,000.

US Environmental Protection Agency, STAR grant, “A Market Feasibility Assessment for Reverse Auctions in the Boone River Watershed,” (with P. Gassman, M. Jha, K. Schilling, C. Wolters, and S. Rabotyagov), 2009-2010, \$200,000.

Department of Energy, “Expansion of Ethanol Production: Evaluation of Costs and Benefits to Rural Communities in the Upper Mississippi River Basin,” (with L. Kurkalova, A. Carriquiry, D. Otto, S. Secchi, P. Gassman, and M. Jha) 2006-2009, \$625,000.

National Science Foundation, “Social Complexity and the Management of the Commons,” (with D. Bennett, D. McGinnis, S. Gilbertz, S. McGinnis, J. Herriges, and P. Robbins) 2006-2008, \$250,000.

US Department of Agriculture, Natural Resource Conservation Service “Environmental Credit Trading Handbook,” (with Silvia Secchi), 2006-2007, \$84,000.

NASA/USDA Joint Competition “Interactive Drivers of Land-Use/Land-Cover Change in Agricultural Areas: Climate and Land-Manager Choices,” funded by U.S. Department of Agriculture (with E. Takle, P. Gassman, H. Feng, and S. Secchi), 2006-2008, \$475,000.

Iowa Department of Natural Resources, “Restoring Water Quality in Iowa Lakes,” 2006-2007 (with Joseph Herriges and John Downing), \$70,000

Iowa Farm Bureau, Iowa Soybean Association, Iowa Corn Growers Association, and the Leopold Center, “Conservation Practices in Iowa: Historical Investments, Water Quality, and Gaps,” (with M. Jha, H. Feng, P. Gassman), 2006, \$75,000.

US Department of Agriculture, CSREES, “Water Resource Degradation in the Boone Watershed: Integrating Stakeholder Knowledge and Preferences with Economic and Watershed Models,” (with M. Duffy, L. Kurkalova, H. Feng, P. Gassman, and J. Cooper), 2005-2008, \$590,000.

National Science Foundation, “Biocomplexity of Integrated Perennial-Annual Agroecosystems,” (with Heidi Asbjornsen, M. Helmers, J. Opsomer, and S. Secchi), 2005-2007, \$100,000.

Cooperative State Research, Education, and Extension Service, USDA, “Economic and Water Quality Effects of Multiple Conservation Practices in Three Midwest Watersheds,” 2004-2007 (with W. Simpkins, T. Isenhardt, M. Tomer, K. Schilling, and M. Al-Kaisi), \$640,000.

Principal Investigator and Manager of “Resource and Agricultural Policy System,” funded by U.S. Environmental Protection Agency through the Center for Agricultural and Rural Development, ISU, over \$2,500,000, 1999-2006.

Iowa State Water Resources Research Institute, “Improving Water Quality in Iowa Rivers: Cost-Benefit Analysis of Adopting New Conservation Practices,” 2005-2006 (with L. Kurkalova, H.

Feng, S. Secchi, P. Gassman and M. Jha), \$40,000.

Economic Research Service, USDA, “Improving Estimates of the Non-market Benefits of Conservation Programs,” 2004-2005 (with J. Herriges and K. Egan), \$70,000.

Iowa Department of Natural Resources, “Costs of Adopting Conservation Practices on Agricultural Cropland in Iowa and Possible Nutrient Standards,” 2004 (with H. Feng, P. Gassman, L. Kurkalova, and S. Secchi), \$53,000.

National Science Foundation/ Environmental Protection Agency Joint Competition, “Valuing Water Quality in Midwestern Lake Ecosystems: Temporal Stability and the Role of Information in Value Formation,” 2002-2005 (with J. Herriges, J. Zhao, and J. Downing), \$430,000.

Consortium for Agricultural Soils Mitigation of Greenhouse Gases (CASMGs), USDA, 2003-2004 (with J. Zhao, M. Thompson, D. Laird, T. Fenton, and M. Al-Kaisi), \$1,300,000.

Iowa Department of Natural Resources, “Valuing Water Quality Improvements in Iowa Lakes,” 2002 (with Joseph Herriges and John Downing), \$81,000.

Environmental Protection Agency, "Heartland Environmental and Resource Economics Workshop," 1999-2001, \$65,000, 2002-2005, \$65,000.

Miller Faculty Fellowship, Iowa State University, “Active Learning in Introductory Economics with a Focus on the Environment,” 1997-1998 (with Joseph Herriges), \$17,000.

National Science Foundation/ Environmental Protection Agency Joint Competition, 1998, “An Examination of Utility Consistent Approaches to Modeling Corner Solutions in Recreation Demand,” 1998-2000 (with Joseph Herriges and Daniel Phaneuf), \$135,000.

National Science Foundation/ Environmental Protection Agency Joint Competition, 1996, “Updating Prior Methods for Non-Market Valuation: A Bayesian Approach to Combining Disparate Sources of Environmental Values,” 1996-1998 (with Joseph Herriges), \$210,000.

Environmental Protection Agency STAR Grant, “The Robustness of Welfare Estimates for Environmental Goods from Discrete Choice Recreational Demand Models,” 1995-1997 (with Joseph Herriges), \$88,000.

University-wide Energy Research Group, “Economic Efficiency of Marketable Credits for Alternative Transportation Fuels,” 1992-1993 (with Jonathan Rubin), \$24,000.

USDA Cooperative Agreement, “Economic Incentives to Reduce Agricultural Pollution of Water Resources,” 1990-92 (with Marca Weinberg and James Wilen), \$120,000.

California Institute for Energy Efficiency, “The Use of Economic Incentives to Introduce Electric and Natural Gas Vehicles and Reduce Mobile Source Emissions,” 1990-92 (with Quanlu Wang and Daniel Sperling), \$180,000.

Public Service Research and Dissemination Program Grant, “Economic Incentives for the Control of Agricultural Non-Point Source Water Pollution,” 1988-89 (with M. Weinberg and J. Wilen).

Giannini Foundation of Agricultural Economics grant, 1987-88, 1988-89, Faculty Research Grant, University of California, Davis, 1987-88, 1988-89.

JOURNAL ARTICLES

“Welfare Measures When Agents Can Learn: A Unifying Theory,” *Economic Journal* (2009): forthcoming (with Jinhua Zhao).

“Recreation Demand Using Physical Measures of Water Quality,” *American Journal of Agricultural Economics* 91(2009):106-123 (with Kevin Egan, Joseph Herriges, and John Downing).

“Dynamic Willingness to Pay: An Empirical Specification and Test,” *Environmental and Resource Economics*, 40(2008): 285-298 (with Jay Corrigan and Jinhua Zhao).

“The Status of Women in Environmental Economics,” *Review of Environmental Economics and Policy*, 1(2007): 212-227 (with Subhra Bhattacharjee and Joseph A. Herriges).

“Transfer and Environmental Co-benefits of Carbon Sequestration in Agricultural Soils: Retiring Agricultural Land in the Upper Mississippi River Basin,” *Climatic Change*, 80(2007): 91-107 (with H. Feng, Lyubov Kurkalova, and Philip Gassman).

“The Cost of Cleaner Water: Assessing Agricultural Pollution Reduction at the Watershed Scale,” *Journal of Soil and Water Conservation*, 62(2007):10-20 (with S. Secchi, P. Gassman, M. Jha, L. Kurkalova, H. Feng, and T. Campbell).

“Environmental Conservation in Agriculture: Land Retirement vs. Changing Practices on Working Land,” *Journal of Environmental Economics and Management*, 52(2006):600-614 (with Hongli Feng, Lyubov Kurkalova, and Philip Gassman).

“Green Subsidies in Agriculture: Estimating the Adoption Costs of Conservation Tillage from Observed Behavior,” *Canadian Journal of Agricultural Economics* 54(2006): 247-267 (with Lyubov Kurkalova and Jinhua Zhao).

“The Consequences of Co-Benefits for the Efficient Design of Carbon Sequestration Programs,” *Canadian Journal of Agricultural Economics* 53(2005): 461-476 (with H. Feng).

“The Conservation Reserve Program in the Presence of a Working Land Alternative: Implications for Environmental Quality, Program Participation, and Income Transfer,” *American Journal of Agricultural Economics* (proceedings) 87 (2005): 1231-1238 (with H. Feng, Lyubov A. Kurkalova, Silvia Secchi, and Philip W. Gassman).

"Willingness-to-Pay, Compensating Variation, and the Cost of Commitment," *Economic Inquiry* 42 (2004): 503-517 (with Jinhua Zhao).

"What's the Use: Welfare Estimates from Revealed Preference Models in the Absence of Weak Complementarity," *Journal of Environmental Economics and Management* 47(2004): 53-68 (with Daniel Phaneuf and Joseph Herriges).

"Value of Agricultural Nonpoint Source Pollution Measurement Technology: Assessment from a Policy Perspective," *Applied Economics* 36 (2004): 2287-2298 (with Lyubov Kurkalova and Jinhua Zhao).

"Assessing the Costs and Environmental Consequences of Agricultural Land Use Changes: A Site-Specific, Policy-Scale Modeling Approach," *American Journal of Agricultural Economics*, 86(2004): 26-41 (with Junjie Wu, Richard Adams, and Katsuya Tanaka).

"Alternative Green Payment Policies under Heterogeneity when Multiple Benefits Matter," *Agriculture and Resource Economics Review* 33 (2004): 148-158 (with Jinhua Zhao and Lyubov Kurkalova).

"Multiple Benefits of Carbon-Friendly Agricultural Practices: Empirical Assessment for Conservation Tillage in Iowa," *Environmental Management* 33 (2004): 519-527 (with Lyubov Kurkalova and Jinhua Zhao).

"Combining Revealed and Stated Preferences: Consistency Tests and Their Interpretations," *American Journal of Agricultural Economics* 85(2003): 525-537 (with Joseph Herriges and Christopher Azevedo).

"Environmental Regulation under Policy Persistence," *Resource and Energy Economics* 25(2003): 255-268 (with Jinhua Zhao).

"Implementing Carbon Reductions with Agricultural and Forest Sinks," *American Journal of Agricultural Economics* 84 (2002): 134-148 (with Hongli Feng and Jinhua Zhao).

"A New Explanation for the WTP/WTA Disparity," *Economics Letters* 73 (2001): 293-300 (with Jinhua Zhao).

"The Efficiency of Sequestering Carbon in Agricultural Soils," *Contemporary Economic Policy* 19 (2001): 123-134 (with Gregory R. Pautsch, Lyubov Kurkalova, Bruce Babcock).

"Nonparametric Bounds on Welfare Measures: A New Tool for Nonmarket Valuation," *Journal of Environmental Economics and Management*, 39(2000): 145-161 (with John Crooker).

"Estimation and Welfare Calculation in a Generalized Corner Solution Model with an Application to Recreation Demand," *Review of Economics and Statistics* 82(2000): 83-92 (with Daniel Phaneuf and Joseph Herriges).

"On the Long-Run Efficiency of Auctioned vs. Free Permits," *Economics Letters* 69 (2000): 235-238 (with Jinhua Zhao).

"Nonlinear Income Effects in Random Utility Models," *Review of Economics and Statistics* 81 (1999): 62-73 (with Joseph Herriges).

"Valuing Water Quality Improvements Using Revealed Preference Methods when Corner Solutions are Prevalent," *American Journal of Agricultural Economics* (Proceedings Issue) 80 (1998): 1025-1031 (with Daniel Phaneuf and Joseph Herriges).

"Bankable Permits for the Control of Environmental Pollution," *Journal of Public Economics* 64(1997): 83-98 (with Jonathan Rubin).

"The Model Performance of Nested Logit Models when Welfare Estimation is the Goal," *American Journal of Agricultural Economics* 79 (1997): 792-802 (with Joseph Herriges).

"An Evaluation of the Gains from Combining Travel Cost and Contingent Valuation Data to Value Nonmarket Goods," *Land Economics* 73(1997): 428-437.

"The Implications of Model Specification for Welfare Estimation in Nested Logit Models," *American Journal of Agricultural Economics* 78(1996): 103-114 (with Cynthia Thomson).

"Uncoordinated Agricultural and Environmental Policy-Making: An Application to Irrigated Agriculture," *American Journal of Agricultural Economics*, 78(1996): 65-78, reprinted in J. Shortle and R. Griffin, eds. *Irrigated Agriculture and the Environment*. Northampton, Mass.: Elgar 2001; 154-67 and in Batie,-S and R. Horan, eds. *The Economics of Agri-environmental Policy. Volume 2. International Library of Environmental Economics and Policy*. Burlington, Vt.: Ashgate, 2004; 337-50 (with Marca Weinberg).

"Testing the Consistency of Nested Logit Models with Utility Maximization," *Economics Letters*, 50(1996): 33-39 (with Joseph Herriges).

"An Empirical Investigation of the Consistency of Nested Logit Models with Utility Maximization," *American Journal of Agricultural Economics*, 77(1995): 875-884 (with J. Herriges).

"Emission Trading vs. Rigid Regulations in the Control of Vehicle Emissions," *Land Economics*, 70(1994): 174-188. Reprinted in G. Helfand and P. Berck, Eds., *The Theory and Practice of Command and Control in Environmental Policy*, Ashgate Publishing, 2004.

"Environmental Benefits from Marketable Discharge Permits or an Ecological vs. an Economical View of Marketable Permits," *Ecological Economics*, 11(1994): 57-64.

"An Emission Saved is an Emission Earned: An Empirical Study of Emission Banking," *Journal of Environmental Economics and Management* 25(1993): 257-276 (with Jonathan Rubin).

“Water Markets and Water Quality,” *American Journal of Agricultural Economics*, 72(1993): 278-291 (with Marca Weinberg and James Wilen).

“An Assessment of the Empirical Magnitude of Option Values for Environmental Goods,” *Environmental and Resource Economics*, 3(1993): 471-485.

“Light-Duty Vehicle Exhaust Emission Control Cost Estimates Using a Part-Pricing Approach,” *Journal of the Air and Waste Management Association*, 43(1993): 1461-1471 (with Quanlu Wang and Daniel Sperling).

“Some Results on the Variance of Consumer Welfare Estimates from Recreation Demand Models,” *Land Economics*, 68(1992): 318-328.

“Emission Permits under Monopoly,” *Natural Resource Modeling*, 5(1992): 321-343 (with Robert Innes and Jonathan Rubin).

“Estimating the Precision of Welfare Measures,” *Journal of Environmental Economics and Management*, 21(1991): 244-259.

“Market Integration, Efficiency of Arbitrage, and Imperfect Competition: Methodology and Application to U.S. Celery,” *American Journal of Agricultural Economics*, 70(1991): 568-580 (with Richard Sexton and Hoy Carman).

“The Welfare Effects of Omitting Substitute Prices and Qualities from Travel Cost Models: Reply,” *Land Economics*, 67(1991): 132-133.

“Confidence Intervals for Elasticities and Flexibilities: Re-evaluating the Ratios of Normals Case,” *American Journal of Agricultural Economics*, 69(1990): 1006-1017 (with Jeffrey Dorfman and Richard Sexton).

“Bootstrapping in Applied Welfare Analysis,” *American Journal of Agricultural Economics*, 69(1990): 406-418 (with Richard Sexton).

“A Note on the Welfare Effects of Omitting Substitute Prices and Qualities from Travel Cost Models,” *Land Economics*, 65(1989): 290-296.

“The Conservation and Welfare Effects of Information in a Time-of-Day Pricing Experiment,” *Land Economics*, 65(1989): 272-279 (with Richard Sexton, Theresa Sexton, and Joyce Wann).

“The Importance of Functional Form in the Estimation of Welfare,” *Western Journal of Agricultural Economics*, 14(1989): 168-174.

“The Reliability of Estimates of Environmental Benefits from Recreation Demand Models,” *American Journal of Agricultural Economics*, 70(1988): 892-901.

“Valuing Environmental Quality Changes when Quality is a Weak Complement to a Set of

Goods,” *American Journal of Agricultural Economics*, 70(1988): 654-662 (with Nancy E. Bockstael). Reprinted in Just, R., D. Hueth, and A. Schmitz, eds. *Applied Welfare Economics, The International Library of Critical Writings in Economics 220*, Edward Elgar Publishing Co., (2008): 634-642.

“Comparing Welfare Estimates of Environmental Quality Changes from Recreation Demand Models,” *Journal of Environmental Economics and Management*, 15(1988): 331-340.

“A Simulation Approach to Comparing Multiple Site Recreation Demand Models Using Chesapeake Bay Survey Data,” *Marine Resource Economics*, 4(1987): 95-109.

“Estimating the Value of Water Quality Improvements in a Recreational Demand Framework,” *Water Resources Research*, 23(1987): 951-960 (with Nancy Bockstael and W. Michael Hanemann). Reprinted in Willis, K.G., K. Button, and P. Nijkamp eds. *Environmental Analysis and Economic Policy*, Elgar Publishing Co., (1999): 52-61.

BOOK CONTRIBUTIONS

Revealed Preferences Approaches to Environmental Valuation, The International Library of Environmental Economics and Policy, Volumes I and II, edited by J.A. Herriges and C. L. Kling, Ashgate Publishing, 2008

Hypoxia in the Northern Gulf of Mexico, edited by Virginia Dale with contributions by 23 coauthors, Springer Publishing Co., forthcoming.

“Common Property and Public Goods: Discussion,” chapter in *Environmental Economics, Experimental Economics*, edited by Todd Cherry, Stephan Kroll, and Jason Shogren, Routledge Press, New York, 2008.

Understanding American Agriculture: Challenges for the Agricultural Resource Management Survey, Committee on National Statistics, National Academies Press. Washington, D.C. 2007 (with 12 other panel members and NRC staff).

“Agricultural Policy Choices,” *From the Corn Belt to the Gulf: Societal and Environmental Implications of Alternative Agricultural Futures*, edited by Joan Nassauer, Mary Santelmann, and Donald Scavia, RFF Press, Washington D.C. 2007 (with Otto Doering, Joan Nassauer and Donald Scavia).

“Changing Societal Expectations for Environmental Benefits from Agricultural Policy,” *From the Corn Belt to the Gulf: Societal and Environmental Implications of Alternative Agricultural Futures*, edited by Joan Nassauer, Mary Santelmann, and Donald Scavia, Resources for the Future Press, Washington D.C. 2007 (with Joan Iverson Nassauer).

“Methods for Environmental Management Research at Landscape and Watershed Scales,” chapter in *Managing Agricultural Landscapes for Environmental Quality: Strengthening the*

Science Base, edited by Max Schnepf and Craig Cox, Soil and Water Conservation Society, 2007 (with G.P. Robertson, L.W. Burger, R. R. Lowrance, and D. J. Mulla).

“Environmental Valuation under Dynamic Consumer Behavior,” *Exploration in Environmental and Natural Resource Economics: Essays in Honor of Gardner M. Brown, Jr.*, edited by R. Halvorsen and D. Layton, Edward Elgar 2006 (with Jinhua Zhao).

“Upper Mississippi River Basin Modeling System Part 3: Conservation Practice Scenario Results.” *Coastal Hydrology and Processes*, edited by V. Singh and Y. Xu, Water Resource Publications, Colorado, 2006 (with Silvia Secchi, Manoj Jha, Hongli Feng, Philip Gassman, and Lyubov Kurkalova).

“CAC versus Incentive-Based Instruments in Agriculture: the Case of the Conservation Reserve Program,” *Moving to Markets in Environmental Regulation: Lesson from Twenty Years of Experience*, edited by Jody Freeman and Charles Kolstad, Oxford University Press, New York, 2005 (with Hongli Feng, Lyubov Kurkalova, and Silvia Secchi).

“Recreation Demand Models,” *The International Yearbook of Environmental and Resource Economics 2002/2003*, edited by Tom Tietenberg and Henk Folmer, (with Joseph Herriges).

Analytical Methods and Approaches for Water Resources Project Planning, Water Science and Technology Board, The National Academies Press. Washington, D.C. 2004 (with 12 other panel members and NRC staff).

Valuing Recreation and the Environment: Revealed Preference Methods in Theory and Practice, New Horizons in Environmental Economics, edited by Joseph Herriges and Catherine Kling, (general editor Wallace E. Oates), Edward Elgar Publishing Company, 1999.

“Corner Solution Models of Recreation Demand: A Comparison of Competing Frameworks,” *Valuing Recreation and the Environment: Revealed Preference Methods in Theory and Practice*, edited by Joseph Herriges and Catherine Kling, Edward Elgar Publishing Company, 1999 (with Daniel Phaneuf and Joseph Herriges).

“Recreation Demand Models for Environmental Valuation,” *The Handbook of Environmental and Resource Economics*, edited by Jeroen van den Bergh, Edward Elgar Publishing Ltd, U.K., 1999 (with John Crooker).

“Analysis of Policy Options for the Control of Agricultural Pollution in California’s San Joaquin River Basin,” in *The Management of NonPoint Source Pollution*, edited by Clifford Russell and Jason Shogren, Kluwer Publisher Co., 1993 (with Marca Weinberg and James Wilen).

“Evaluating Estimates of Environmental Benefits Based on Multiple Site Recreation Demand Models: A Simulation Approach,” *Advances in Applied Micro-Economics*, Vol. 5, edited by Albert Link and V. Kerry Smith, JAI Press Inc., 1990 (with Marca Weinberg).

BOOK REVIEWS

“The State of the World,” ed. by L. Brown, *Environmental Conservation*, 29, 2 (2002): 263-70.

“Valuing Nature with Travel Cost Models: A Manual,” by Frank Ward and Diana Beal, *European Review of Agricultural Economics*, (2001).

“Determining the Value of Non-Marketed Goods: Economic, Psychological, and Policy Relevant Aspects of Contingent Valuation Methods,” edited by Raymond Kopp, Werner Pommerehne, and Norbert Schwarz, *American Journal of Agricultural Economics*, (2001).

“Natural Resource and Environmental Policy Analysis: Cases in Applied Economics,” edited by G. Johnston, D. Freshwater, and P. Favero, *Natural Resources Forum*, May (1989): 175-176.

POPULAR PRESS AND OUTREACH REPORTS

“Agriculture and Water Quality in the Cornbelt: Overview of Issues and Approaches,” *Choices* 2nd quarter (2007) (with M. Helmers, M. Tomer, T. Isenhardt, T. Moorman, and W. Simpkins).

“A Tale of Three Watersheds: Non-point Source Pollution and Conservation Practices Across Iowa,” *Choices* 2nd quarter (2007) (with K. Schilling, M. Tomer, P. Gassman, T. Isenhardt, T. Moorman, W. Simpkins, and C. Wolter).

“Privatizing Ecosystem Services: Water Quality Effects from a Carbon Market,” *Choices* 2nd quarter (2007) (with S. Secchi, M. Jha, L. Kurkalova, H. Feng, and P. Gassman).

“Water Cleanup: What’s the Economic Impact for Iowa Communities?” *Iowa Agriculture Review*, 2005 Vol.11, No. 2 (with J. HERRIGES and D. Otto).

“Carbon Sequestration, Co-Benefits, and Conservation Programs,” *Choices*, Third Quarter (2004): 19-23 (with H. Feng and Philip Gassman).

Agriculture’s Response to the Climate Change Challenge, Council of Agricultural Science and Technology Report, edited by Keith Paustian and Bruce Babcock, 2004 (with multiple coauthors).

“Valuing Water Quality in Midwestern Lake Ecosystems,” *Iowa Agriculture Review*, 2004 Vol. 10, No. 3 (with J. HERRIGES and K. Egan).

“Targeting Efficiency in the Conservation Security Program,” *Iowa Agriculture Review*, 2004 Vol. 10, No. 1 (with H. Feng and L. Kurkalova).

“Incentives to Boost Conservation Tillage Adoption,” *Iowa Agriculture Review*, 2002 Vol. 8, No. 1 (with L. Kurkalova).

“Focus on Farm Policy: How Green Payments Would Work,” Newsletter of the Leopold Center for Sustainable Agriculture Vol 13, No. 3, Fall, 2001.

“Towards Implementing Carbon Markets in Agriculture,” *Choices* (Second Quarter 2001): 16-19
(with H. Feng and Jinhua Zhao).

“Willingness to Pay for Clear Lake Cleanup,” *Iowa Agriculture Review*, 2001 Vol. 7, No. 3
(with C. Azevedo and J. Herriges).

“Iowa Wetlands: Who Will Pay for Preservation?” *Iowa Agriculture Review*, 2000 Vol. 6, No. 3
(with C. Azevedo and J. Herriges).