

# Kathleen Segerson

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**Fields of Research Specialization:** Environmental and Natural Resource Economics, Law and Economics, Applied Microeconomics

## Education:

Ph.D., Cornell University, Ithaca, New York, 1984  
BA, Dartmouth College, Hanover, New Hampshire, 1977

## Academic Appointments:

2014-Present	Board of Trustees Distinguished Professor, University of Connecticut
2013-Present	Alumni Association Distinguished Professor, University of Connecticut
1996-Present	Professor of Economics, Dept. of Economics, University of Connecticut
2009-Present	Affiliated Faculty, Environmental Engineering Program, University of Connecticut
2008-Present	Affiliated Faculty, Center for Environmental Sciences and Engineering, University of Connecticut
1987-Present	Joint Appointment, Department of Agricultural and Resource Economics, University of Connecticut
2008-2013	Philip E. Austin (Endowed) Professor of Economics, University of Connecticut
2001-2005	Head, Dept. of Economics, University of Connecticut
2002-2003	Director of Graduate Studies, Dept. of Economics, University of Connecticut
2011-Present	
1990-1996	Associate Professor of Economics, Dept. of Economics, University of Connecticut
Fall, 1993 & Spring, 1992	Vising Associate Professor, School of Forestry and Environmental Studies, Yale University
1987-1990	Assistant Professor of Economics, Dept. of Economics, University of Connecticut
1984-1987	Assistant Professor of Natural Resource Economics, Dept. of Agricultural Economics, University of Wisconsin

## Non-Academic Experience:

- 1978-1979            Research Analyst, U.S. House of Representatives, Committee on Interstate and Foreign Commerce, Subcommittee on Energy and Power, Washington, D.C.
- 1977-1978            Researcher, Research Program on Technology and Public Policy, Dartmouth College

### **Awards/Honors:**

- Board of Trustees Distinguished Professor, University of Connecticut: 2014
- Alumni Association Distinguished Professor, University of Connecticut: 2013
- Association of Environmental and Resource Economists, Publication of Enduring Quality Award for “Uncertainty and Incentives for Nonpoint Pollution Control,” *Journal of Environmental Economics and Management*: 2009
- Fellow, American Agricultural Economics Association: 2008
- Fellow, Association of Environmental and Resource Economists: 2008
- AAUP (University of Connecticut Chapter) Research Excellence Award: 2007
- Appointment to Connecticut Academy of Arts and Sciences: 2007
- University of Connecticut Alumni Association Award for Excellence in Graduate Teaching: 2006
- Most Appreciated Faculty Award, Association of Graduate Economics Students, University of Connecticut: 2003, 1997, 1994
- American Agricultural Economics Association Award for Outstanding Doctoral Dissertation: 1985

### **Editorial Positions and Board Memberships:**

- Co-editor, *Journal of Association of Environmental and Resource Economists*, September 2013-Present
- Member, Editorial Board, *Journal of Agricultural and Applied Economics*, January 2013-Present
- Handling Editor, *Conservation Biology*, 2012-2013
- Section Editor, *Encyclopedia of Energy, Environmental and Natural Resource Economics*, 2011-2012.
- Member, Editorial Board, *European Review of Agricultural Economics*, 2010-Present
- Member, Editorial Board, *Strategic Behavior and the Environment*, 2009-Present
- Member, Editorial Board, *International Review of Environmental and Resource Economics*, 2008-Present
- Member, Editorial Council, *Journal of Environmental Economics & Management*, 1994-1995, 2008-2010
- Co-editor, Ashgate Studies in Environmental and Natural Resource Economics, 2000-2005
- Member, Editorial Board, *International Yearbook of Environmental and Resource Economics*, 1999-2007

- Member, Editorial Board, *Contemporary Economic Policy*, 1996-2012
- Special Issue Editor, Real Estate and the Environment, *Journal of Real Estate Finance and Economics*, March/May 2001
- Co-editor, *American Journal of Agricultural Economics*, 1996-1999
- Associate Editor, *American Journal of Agricultural Economics*, 1991-1993
- Associate Editor, *Journal of Environmental Economics and Management*, 1989-1991

### **National/International Advisory Committees:**

- Member, Advisory Board, National Socio-Environmental Synthesis Center (SESYNC), Annapolis, MD, 2013-Present.
- National Academy of Sciences, National Research Council, Review Panel on National Climate Assessment, 2012-2013.
- Nordic Center for Research on Marine Ecosystems and Resources Under Climate Change, Scientific Advisory Board, Norway, 2010-Present.
- National Academy of Sciences, National Research Council, Board on Agriculture and Natural Resources, Earth and Life Sciences, 2009-Present.
- National Academy of Sciences, National Research Council, Committee on a Study of Food Safety and Other Consequences of Publishing Establishment-Specific Data, 2011.
- National Academy of Sciences, National Research Council, Committee on Improving Principles and Guidelines for Water Resources Planning, 2008-2010.
- U.S. General Accounting Office, Expert Panel on Climate Change Economics, 2007-2008.
- U.S. Environmental Protection Agency, Science Advisory Board, Chartered Executive Board, 2005-2011.
- U.S. Environmental Protection Agency, Science Advisory Board, Committee on Valuing the Protection of Ecological Services and Systems (Vice-Chair), 2003-2009.
- U.S. Environmental Protection Agency, Science Advisory Board, Ecological Processes and Effects Ad Hoc Committee on EPA's Ecological Research Program, 2008-2010.
- U.S. Environmental Protection Agency, Science Advisory Board, Environmental Economics Advisory Committee (standing committee), 2002-2005.
- National Academy of Sciences, National Research Council, Committee on Assessing and Valuing the Services of Aquatic and Related Terrestrial Ecosystems, 2002-2004.
- National Academy of Sciences, National Research Council, Committee on The Causes and Management of Coastal Eutrophication, 1998-2000.

### **Federal/National Review Panels:**

- National Science Foundation, Coastal SEES Review Panel, March 2014

- Member, External Review Committee, USDA CSREES Review, Department of Agricultural Economics, Colorado State University, March 2012.
- National Institute of Food and Agriculture (NIFA), Social Science Research Planning, May 2010.
- National Science Foundation, Site Review Committee, Decision Making Under Uncertainty, University of California at Berkeley, October 2009, November 2010.
- Member, External Review Committee, USDA/CSREES Review, College of Agriculture and Environmental Sciences, Environmental Programs, University of Georgia, November 2007.
- Member, External Review Committee, USDA/Economic Research Service, Resource and Rural Economics Division, October 2007.
- National Science Foundation, Site Review Committee, Climate Decision Making Center, Carnegie Mellon University, March 2007.
- Member, External Review Committee, USDA/CSREES Review, Department of Agricultural and Applied Economics, University of Wisconsin, November 2006.
- U. S. Environmental Protection Agency, Ad Hoc Committee on Superfund Benefits Assessment, 2004-Present.
- National Science Foundation, Peer Review Panel, Competition for Science and Technology Centers, Arlington, VA, May 2004.
- Member, External Review Committee, USDA/CSREES Review, Department of Agricultural, Environmental and Development Economics, Ohio State University, May 2004.
- U.S. Environmental Protection Agency, Peer Review Panel, STAR Competition on Market Mechanisms and Incentives, Washington, D.C., January 2004.
- National Science Foundation, Peer Review Panel, Competition on Centers for Decision Making Under Uncertainty, Arlington, VA, October 2003.
- Member, External Review Committee, USDA/CSREES Review, Department of Resource Economics and Policy, University of Maine, May 2003.
- U.S. Environmental Protection Agency, Peer Review Panel, STAR Competition on Corporate Environmental Behavior: Examining the Effectiveness of Government Interventions and Voluntary Initiatives, Washington, D.C., November 2002.
- Member, External Review Committee, USDA/CSREES Review, Department of Economics, Iowa State University, February 2002.
- U.S. Environmental Protection Agency, Peer Review Panel, STAR Competition on Corporate Environmental Performance and the Effectiveness of Government Interventions, Washington, DC, October 2000.
- U.S. Environmental Protection Agency, Peer Review Panel, STAR Competition on Market Mechanisms and Incentives for Environmental Management, Washington, DC, May, 2000.

## **Publications:**

### **Books and Monographs:**

- Segerson, Kathleen, ed. *The Economics of Pollution Control*, Edward Elgar Publishing, Cheltenham, UK and Northampton, MA: 2010.

- Segerson, Kathleen, ed. *Economics and Liability for Environmental Problems*, Ashgate Publishing Co., Aldershot, UK and Burlington, VT, 2002.
- Miceli, Thomas J. and Kathleen Segerson, *Compensation for Regulatory Takings: An Economic Analysis*, JAI Press, Greenwich, CT, 1996.
- Bromley, Daniel W. and Kathleen Segerson, eds. *The Social Response to Environmental Risk: Policy Formation in an Age of Uncertainty*, Boston: Kluwer Academic Publishers, 1992.
- "Unilateral Transfrontier Pollution and Economic Interdependence: A Methodological Study," unpublished Ph.D. Dissertation, Department of Agricultural Economics, Cornell University, 1984.

### **Journal Publications and Book Chapters:**

- Miceli, Thomas, Kathleen Segerson, and Suo Wang, "Products Liability When Consumers Vary in Their Susceptibility to Harm and May Misperceive Risk." *Contemporary Economic Policy*, forthcoming.
- Tsvetanov, Tsvetan, and Kathleen Segerson. "The Welfare Effects of Energy Efficiency Standards when Choice Sets Matter." *Journal of the Association of Environmental and Resource Economists*, forthcoming.
- Segerson, Kathleen. "Valuing Environmental Goods and Services: An Economic Perspective," in Patricia Champ, Kevin Boyle, and Thomas Brown, eds. *A Primer on Non-Market Valuation*, Springer, forthcoming.
- Segerson, Kathleen. "Property Rights." In John Whitehead and Tim Haab, eds. *Environmental and Resource Economics: An Encyclopedia*. ABC-CLIO, Inc., forthcoming.
- Miceli, Thomas J. and Kathleen Segerson, "Regulatory Takings," in Joshua M. Duke and JunJie Wu, eds. *The Oxford Handbook of Land Economics*, Oxford University Press, forthcoming.
- Segerson, Kathleen, "When is Reliance on Voluntary Approaches in Agriculture Likely to be Effective?" *Applied Economic Perspectives and Policy*, 35(4), 2013:565-92.
- Miceli, Thomas J., and Kathleen Segerson. "Liability versus Regulation for Dangerous Products When Consumers Vary in their Susceptibility to Harm and May Misperceive Risk," *Review of Law and Economics*, 9, 2013: 341-356.
- Miceli, Thomas J., Rebecca Rabon, and Kathleen Segerson, "Liability vs. Regulation for Product-Related Accidents," in Thomas J. Miceli and Matthew J. Baker, eds., *Research Handbook on the Economic Models of Law*, Cheltenham, UK: Edward Elgar, 2013, pp. 54-68.
- Segerson, Kathleen and Tsvetan Tsvetanov, "Regulation vs. Liability: A Behavioral Economics Perspective," in Thomas J. Miceli and Matthew J. Baker, eds., *Research Handbook on the Economic Models of Law*, Cheltenham, UK: Edward Elgar, 2013, pp. 69-86.
- Segerson, Kathleen, "Voluntary Approaches to Environmental Protection and Resource Management," *Annual Review of Resource Economics*, 5, 2013:8.1-8.20.
- Tsvetanov, Tsvetan and Kathleen Segerson, "Re-Evaluating the Role of Energy Efficiency Standards: A Behavioral Economics Approach," *Journal of Environmental Economics and Management*, 2013, 66(2): 347-63.
- Johnston, Robert J., Eric T. Schultz, Kathleen Segerson, Elena Y. Besedin, and Mahesh Ramachandran, "Stated Preferences for Intermediate versus Final Ecosystem Services: Disentangling

Willingness to Pay for Omitted Outcomes,” *Agricultural and Resource Economics Review*, 42(1), April 2013: 98-118.

Received the 2013 ARER Article of the Year award from the *Agricultural and Resource Economics Review*.

- Segerson, Kathleen, “Price Instruments,” in Jason F. Shogren, ed. *Encyclopedia of Energy, Natural Resource and Environmental Economics*, Volume 3, Amsterdam: Elsevier, 2013, pp. 185-192.
- Zhou, Rong and Kathleen Segerson, “Are Green Taxes a Good Way to Help Solve State Budget Deficits? *Sustainability* 4, 2012:1329-53.
- Miceli, Thomas J. and Kathleen Segerson, “Holdups and Holdouts: What Do They Have in Common?” *Economic Letters*, 117(1): October 2012: 330-3.
- Miceli, Thomas J. and Kathleen Segerson, “Land Assembly and the Holdout Problem under Sequential Bargaining,” *American Law and Economics Review*, 14(2), Fall 2012: 372-90.
- Earnhart, Dietrich and Kathleen Segerson, “The Influence of Financial Status on the Effectiveness of Environmental Enforcement,” *Journal of Public Economics*, 96(9-10), October 2012:670-84.
- Schultz, Eric T., Robert J. Johnston, Kathleen Segerson, and Elena Y. Besedin, “Integrating Ecology and Economics for Restoration: Using Ecological Indicators in Valuation of Ecosystem Services,” *Restoration Ecology*, 20(3), May 2012:304-10.
- Chrysochoou, Maria, Kweku Brown, Geeta Dahal, Catalina Granda-Carvajal, Kathleen Segerson, Norman Garrick, Amvrossios Bagtzoglou, “A GIS and Indexing Scheme to Screen Brownfields for Area-wide Redevelopment Planning,” *Landscape and Urban Planning*, 105(3), April 2012:187-198.
- Johnston, R.J., E.T. Schultz, K. Segerson, E.Y. Besedin and M. Ramachandran. “Enhancing the Content Validity of Stated Preference Valuation: The Structure and Function of Ecological Indicators.” *Land Economics* 88(1), February 2012: 102-120.
- Mukherjee, Zinnia and Kathleen Segerson. “Turtle Excluder Device Regulation and Shrimp Harvest: The Role of Behavioral and Market Responses,” *Marine Resource Economics*, 26(3), 2011: 173-89.

Received Dr. S.-Y. Hong Award for Outstanding Article in *Marine Resource Economics*, 2011.

- Ahmed, Rasha and Kathleen Segerson, “Collective Voluntary Agreements to Eliminate Polluting Products,” *Resource and Energy Economics*, 33(3), September 2011: 572-88.
- Johnston, R.J., K. Segerson, E.T. Schultz, E.Y. Besedin and M. Ramachandran. “Indices of Biotic Integrity in Stated Preference Valuation of Aquatic Ecosystem Services,” *Ecological Economics*, 70(11), September 2011: 1946-1956.
- Segerson, Kathleen, “Policies to Reduce Stochastic Sea Turtle Bycatch: An Economic Efficiency Analysis,” in Peter Dutton, Dale Squires, and Mahfuzuddin Ahmed, eds., *Conservation of Pacific Sea Turtles*, Honolulu, HA: University of Hawai’i Press, 2011, pp. 370-95.
- Johnston, R.J., E.T. Schultz, K. Segerson and E.Y. Besedin, “Bioindicator-Based Stated Preference Valuation for Aquatic Habitat and Ecosystem Service Restoration,” in Jeff Bennett, J. ed. *International Handbook on Non-Marketed Environmental Valuation*. Cheltenham, UK: Edward Elgar, 2011, pp. 159-186.
- Segerson, Kathleen, “Introduction.” in Kathleen Segerson, ed. *The Economics of Pollution Control*, Edward Elgar Publishing, Cheltenham, UK and Northampton, MA: 2010, pp. xi-xxv.

- Kling, Catherine, Kathleen Segerson, and Jason Shogren, “Environmental Economics: How Agricultural Economists Helped Advance the Field,” *American Journal of Agricultural Economics*, 92(2), April 2010: 487-505.
- Suter, Jordan, Kathleen Segerson, Christian Vossler, and Gregory Poe, “Voluntary-Threat Approaches to Reduce Ambient Water Pollution,” *American Journal of Agricultural Economics*, 92(4), July 2010: 1195-1213.
- Segerson, Kathleen, “Can Voluntary Programs Reduce Sea Turtle Bycatch? Insights from the Literature in Environmental Economics,” in R. Quentin Grafton, Ray Hilborn, Dale Squires, Maree Tait, and Meryl J. Williams, eds., *Handbook of Marine Fisheries Conservation and Management*, Oxford University Press, New York, New York: 2010, pp. 618-629.
- Polasky, Stephen, and Kathleen Segerson, “Integrating Ecology and Economics in the Study of Ecosystem Services: Some Lessons Learned,” *Annual Review of Resource Economics*, Volume 1, October 2009: 409-434.
- Miceli, Thomas J., Kathleen Segerson, and C.F. Sirmans, “Tax Motivated Takings,” *National Tax Journal*, Volume LXI, No. 4, Part 1, December 2008: 579-592.
- Dawson, Na Li, and Kathleen Segerson, “Voluntary Agreements with Industries: Participation Incentives with Industry-wide Targets,” *Land Economics*, Volume 84(1), February 2008: 97-114.
- Suter, Jordan F., Christian A. Vossler, Gregory L. Poe, and Kathleen Segerson, “Experiments on Damage-Based Ambient Taxes for Nonpoint Source Polluters,” *American Journal of Agricultural Economics*, Volume 90(1), February 2008: 86-102.
- Segerson, K. “Regulation and Compliance: Discussion,” in Todd Cherry, Stephan Kroll, and Jason Shogren, eds., *Environmental Economics, Experimental Methods*, Rutledge Publishers, 2008, pp. 324-328.
- Segerson, Kathleen, “Resources and Rural Communities: Looking Ahead,” in Junjie Wu, Paul W. Barkley, and Bruce A. Weber, eds., *Frontiers in Resource and Rural Economics*, Resources for the Future Press, 2008.
- Miceli, Thomas J. and Kathleen Segerson, “The Economics of Eminent Domain: Private Property, Public Use and Just Compensation,” *Foundations and Trends in Microeconomics*, Volume 3(4), 2007: 275-329.
- Segerson, K. “An Assessment of Legal Liability as a Market-Based Instrument,” in Jody Freeman and Charles D. Kolstad, eds. *Moving to Markets in Environmental Regulation: Lessons from Twenty Years of Experience*, Oxford University Press, 2007, pp. 250-270.
- Miceli, T.J. and K. Segerson, “A Bargaining Model of Holdouts and Takings,” *American Review of Law and Economics*, Volume 9(1), Spring 2007: 160-174.
- Miceli, T. J. and K. Segerson, “Punishing the Innocent along with the Guilty: The Economics of Individual versus Group Punishment,” *Journal of Legal Studies*, Volume 36(1), January 2007: 81-106.  
Reprinted in *Economics of Ancient Law*, Geoffrey Miller, ed., Cheltenham, UK: Edward Elgar Publishers, 2010.
- Miceli, T. and K. Segerson, “Should Victims of Exposure to a Toxic Substance have an Independent Claim for Medical Monitoring?” *Research in Law and Economics*, Volume 22, 2007: 217-231.
- Vossler, C.A., G.L. Poe, W.D. Schulze and K. Segerson, “Communication and Incentive Mechanisms Based on Group Performance: An Experimental Study of Nonpoint Pollution Control,” *Economic Inquiry*, Volume 44(4), October 2006: 599-613.

Received *Economic Inquiry* Editor's Choice Award, 2006, Western Economic Association International.

- Segerson, K. and Junjie Wu, "Voluntary Approaches to Nonpoint Pollution Control: Inducing First Best Outcomes through the Use of Threats," *Journal of Environmental Economics and Management*, Volume 51(2), March 2006: 165-184.
- Ray, T. and K. Segerson, "Clean Charles 2005 Initiative: Why the "Success"?" in C. Coglianese and J. Nash, eds., *Leveraging the Private Sector*, Washington, D.C.: Resources for the Future Press, 2006, pp: 201-227.
- Miceli, T. J., and K. Segerson, "A Tort for Risk and Endogenous Bankruptcy," in M. Boyer, Y. Hiriart and D. Martimort, eds., *Frontiers in the Economics of Environmental Regulation and Liability*, Ashgate Publishing, 2006, pp. 191-206.
- Segerson, K., A. Plantinga, and E. Irwin, "Theoretical Background," in K. P. Bell, K. J. Boyle, and J. Rubin, eds., *Economics of Rural Land-Use Change*, Ashgate Publishing Co., Aldershot, 2006: 79-112.
- Miceli, T. J. and K. Segerson, "Do Exposure Suits Produce a Race to File? An Economic Analysis of a Tort for Risk," *Rand Journal of Economics*, Volume 36(3), Autumn 2005: 613-627.
- Poe, G., W. D. Schulze, K. Segerson, J. Suter, and C.A. Vossler, "Exploring the Performance of Ambient-Based Policy Instruments when Nonpoint Source Polluters Can Cooperate," *American Journal of Agricultural Economics*, Volume 86(5), December 2004: 1203-1210.
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- Miceli, T. and K. Segerson, "A Note on Optimal Care by Wealth-Constrained Injurers," *International Review of Law and Economics*, Volume 23, 2003:273-284.
- Segerson, K. and D. Walker, "Nutrient Pollution: An Economic Perspective," *Estuaries*, Volume 25 (4B), August 2002: 797-808.
- Alberini, A., and K. Segerson, "Assessing Voluntary Programs to Improve Environmental Quality," *Environment and Resource Economics*, Volume 22 (1/2), June 2002: 157-184.
- Dawson, N.L., and K. Segerson, "Participation in Industry-Wide Voluntary Approaches: Short Run vs. Long Run Equilibrium," in John A. List and A. de Zeeuw, eds., *Recent Advances in Environmental Economics*, (Cheltenham, UK and Northampton, MA: Edward Elgar, 2002), pp. 142-157.
- Segerson, K. "Introduction," in K. Segerson, ed., *Economics and Liability for Environmental Problems*, Ashgate Publishing Co., Aldershot, UK and Burlington, VT, 2002.
- Miceli, T.J., K. Segerson, and G. Li, "When Should Providers of Recreational Land be Immune from Liability?" *Journal of Real Estate Finance and Economics*, Volume 22 (2/3), March/May 2001: 253-272.
- Segerson, K., and N.L. Dawson, "Environmental Voluntary Agreements: Participation and Free Riding," in K. Deketelaere and E. Orts, eds., *Environmental Contracts: Comparative Approaches to Regulatory Innovation in the United States and Europe*, (Kluwer, 2001), pp. 369-388.
- Segerson, K. "Real Estate and the Environment: An Introduction," *Journal of Real Estate Finance and Economics* Volume 22 (2/3), March/May 2001: 135-140.



- Miceli, T.J., and K. Segerson, "Takings," in B. Bouckaert and G. De Geest, eds., *Encyclopedia of Law and Economics, Volume IV: The Economics of Public and Tax Law*, (Cheltenham, UK: Edward Elgar, 2000), pp. 328-357.
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- Dixon, B. L. and K. Segerson, "Agriculture and Climate Change: An Assessment of Increased Climate Variability," *Journal of Agricultural and Applied Economics*, Volume 31(3), December 1999: 537-549.
- Segerson, K. "Mandatory versus Voluntary Approaches to Food Safety," *Agribusiness*, Volume 15 (1), Winter 1999: 53-70.
- Miceli, T. J. and K. Segerson, "Threshold Rules for Funding Environmental Mandates," *Land Economics*, Volume 75 (3), August 1999: 375-389.
- Segerson, K., and N. Li, "Voluntary Approaches to Environmental Protection," in T. Tietenberg and H. Folmer, eds., *The International Yearbook of Environmental and Resource Economics:1999-2000* (Cheltenham, UK: Edward Elgar, 1999), pp. 273-306.
- Segerson, K., "Environmental Protection: Governments and The Allocation and Use of Property," in N. Mercurio and W.J. Samuels, eds., *The Fundamental Interrelationships Between Government and Property* (Greenwich, CT: JAI Press, 1999).
- Segerson, K. and T. J. Miceli, "Voluntary Approaches to Environmental Protection: The Role of Legislative Threats," in C. Carraro and F. Leveque, eds., *Voluntary Approaches in Environmental Policy* (Kluwer Academic Publishing, 1999).
- Adams, R.M., B.A. McCarl, K. Segerson, et al., "Economic Effects of Climate Change on U.S. Agriculture," in Robert Mendelsohn and James E. Neumann, eds., *The Impact of Climate Change on the United States Economy*, (Cambridge University Press, 1999).
- Segerson, K. and B.L. Dixon, "Climate Change and Agriculture: The Role of Farmer Adaptation", in Robert Mendelsohn and James E. Neumann, eds. *The Impact of Climate Change on the United States Economy*, (Cambridge University Press, 1999).
- Segerson, K., "Flexible Incentives: A Unifying Framework for Policy Analysis," in F. Casey, A. Schmitz, S. Swinton and D. Zilberman, eds. *Flexible Incentives for the Adoption of Environmental Technologies in Agriculture*, (Kluwer Academic Publishers, 1999).
- Segerson, K., "Guiding Principles for Environmental Policy Design: An Economist's Perspective," in Ken Sexton, Alfred A. Marcus, William Easler, and Timothy D. Burkhardt, eds., *Better Environmental Decisions: Strategies for Governments, Businesses and Communities*, (Island Press, 1999).
- Segerson, K. and T.J. Miceli, "Voluntary Environmental Agreements: Good or Bad News for Environmental Protection?" *Journal of Environmental Economics and Management*, Volume 36 (2), September 1998: 109-30.

Reprinted in *Recent Developments in Environmental Economics*, Michael Hoel, ed., Edward Elgar Publishers, 2004, pp. 225-246.

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- Barrett, J. and K. Segerson, "Prevention vs. Treatment in the Design of Environmental Policy," *Journal of Environmental Economics and Management*, Volume 33(2), June 1997: 196-213.
- Segerson, K. "Legal Liability as an Environmental Policy Tool: Some Implications for Land Markets," *Journal of Real Estate Finance and Economics*, Volume 15 (2), October 1997: 143-159.
- Segerson, K., T. J. Miceli and L-C. Wen, "Intergovernmental Transfers in a Federal System: An Economic Analysis of Unfunded Mandates", in Braden, J. B., and S. Proost, eds. *The Economic Theory of Environmental Policy in a Federal System*, (Edward Elgar, 1997).
- Segerson, K., "Government Regulation and Compensation: Implications for Environmental Quality and Natural Resource Use: Introduction", *Contemporary Economic Policy*, Volume 15(4), October 1997: 28-31.
- Segerson, K., "Issues in the Choice of Environmental Policy Instruments," in Braden, J.B., H. Folmer and T. S. Ulen, eds., *Environmental Policy with Political and Economic Integration*, (Edward Elgar, 1996).
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- Miceli, T. J. and K. Segerson, "Government Regulation and Compensation for Takings: Implications for Agriculture", *American Journal of Agricultural Economics*, Volume 77(5), December 1995: 1177-1182.
- Wu, J., and K. Segerson, "The Impact of Policies and Land Characteristics on Potential Groundwater Pollution in Wisconsin," *American Journal of Agricultural Economics*, Volume 77(4), November 1995: 1033-1047.

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Reprinted in *The Economics of Land Use*, Peter J. Parks and Ian W. Hardie, eds., Ashgate Publishing, 2002, pp. 71-85.

- Miceli, T.J., and K. Segerson, "Defining Efficient Care: The Role of Income Distribution," *Journal of Legal Studies*, Volume 24(1), January 1995:189-208.
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Reprinted in *The Economics of Monitoring and Enforcement*, Clifford S. Russell, ed., Ashgate Publishing, 2003, pp. 85-106.  
  
Reprinted in *Economics and Liability for Environmental Protection*, Kathleen Segerson, ed., Ashgate Publishing, 2002, pp. 333-354.  
  
Reprinted in *Economics and Environmental Policy*, T.H. Tietenberg, ed., Elgar Publishing, 1994, pp. 232-253.
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- Segerson, K., "The Policy Response to Risk and Risk Perceptions," in Bromley, D.W. and Segerson, K., eds., *The Social Response to Environmental Risk: Policy Formation in an Age of Uncertainty*, (Kluwer Academic Publishers, 1992).
- Miceli, T.J. and K. Segerson, "Joint Liability in Torts: Marginal and Infra-Marginal Efficiency," *International Review of Law and Economics*, Volume 11 (3), December 1991:235-249.
- Opaluch, J.J. and K. Segerson, "Aggregate Analysis of Site-Specific Pollution Problems: The Case of Groundwater Contamination from Agricultural Chemicals," *Northeast Journal of Agricultural and Resource Economics*, Volume 20(1), 1991:83-97.  
Reprinted in *The Economics of Agri-Environmental Policy*, Sandra S. Batie and Richard

D. Horan, eds., Ashgate Publishing, 2004, pp. 79-93.

- Miceli, T. and K. Segerson, "Contingent Fees for Lawyers: The Impact on Litigation and Accident Prevention," *Journal of Legal Studies*, Volume 20(2), June 1991:381-399.
- Segerson, K., "Air Pollution and Agriculture: A Review and Evaluation of Policy Interactions," in Just, R. and Bockstael, N., eds., *Commodity and Resource Policies in Agricultural Systems*, (Springer-Verlag, 1991).
- Ray, S.C. and K. Segerson, "A Profit Function Approach to Measuring Productivity Growth: The Case of U.S. Manufacturing," *Journal of Productivity Analysis*, Volume 2 (1), 1990:39-52.
- Segerson, K., "Liability for Groundwater Contamination from Pesticides," *Journal of Environmental Economics and Management*, Volume 19 (3), November 1990:227-243.

Reprinted in *The Economics of Water Quality*, K. William Easter and Naomi Zeitouni, eds., Ashgate Publishing, 2006, pp. 209-228.

Reprinted in *The Economics of Agri-Environmental Policy*, Sandra S. Batie and Richard D. Horan, eds., Ashgate Publishing, 2004, pp. 249-265.

Reprinted in *Economics and Liability for Environmental Protection*, Kathleen Segerson, ed., Ashgate Publishing, 2002, pp. 315-331.

- Segerson, K. and D. Squires, "On the Measurement of Economic Capacity Utilization for Multi-product Industries," *Journal of Econometrics*, Volume 44 (3), June 1990:81-95.
- Segerson, K., "Incentive Policies for the Control of Agricultural Water Pollution," in Braden, J. and Lovejoy, S., eds., *Water Quality and Agriculture: An Inter-national Perspective on Policies*, (Boulder and London: Lynne Rienner Publishers, 1990).
- Opaluch, J. J. and K. Segerson, "Rational Roots of 'Irrational' Behavior: New Theories of Economic Decision Making" *Northeastern Journal of Agricultural and Resource Economics*, Volume 18(2), 1989:81-95.
- Segerson, K. and S.C. Ray, "On the Equivalence of Alternative Measures of the Elasticity of Substitution," *Bulletin of Economic Research*, Volume 41 (3), July 1989:207-212.
- Segerson, K., "Risk and Incentives in the Financing of Hazardous Waste Cleanup," *Journal of Environmental Economics and Management*, Volume 16 (1), January 1989:1-8.
- Opaluch, J. J. and K. Segerson, "Hicksian Welfare Measures within a Regret Theory Framework," *American Journal of Agricultural Economics*, Volume 70(5), 1988:1100-1106.
- Segerson, K., "Uncertainty and Incentives for Non-point Pollution Control," *Journal of Environmental Economics and Management*, Volume 15 (1), March 1988:87-98.

Reprinted in *The Economics of Agri-Environmental Policy*, Sandra S. Batie and Richard D. Horan, eds., Ashgate Publishing, 2004, pp. 237-248.

Reprinted in *The Economics of Monitoring and Enforcement*, Clifford S. Russell, ed., Ashgate Publishing, 2003, pp. 195-206.

Reprinted in *Irrigated Agriculture and the Environment*, James S. Shortle and Ronald C. Griffin, eds., Edward Elgar Publishers, 2001, pp. 19-30.

- Segerson, K., and D.W. Bromley, "Natural Resource Policy," in Danziger, S. and Witte, J.F., eds., *State Policy Choices: The Wisconsin Experience*, (Madison, Wisconsin: University of Wisconsin Press, 1988).
- Segerson, K., "Natural Resource Concepts in Trade Analysis," in Sutton, J., ed., *Agricultural Trade and Natural Resources: Discovering the Critical Linkages*, (Boulder and London: Lynne Rienner Publishers, 1988).
- Segerson, K., "Risk-Sharing and Liability in the Control of Stochastic Externalities," *Marine Resource Economics*, Volume 4 (3), 1987:175-192.
- Chavas, J.P. and K. Segerson, "Stochastic Specification and Estimation of Share Equation Systems," *Journal of Econometrics*, Volume 35 (2/3), July 1987:337-358.
- Segerson, K., "Supply Uncertainty and Option Value: Comment," *Land Economics*, Volume 63(4), November 1987:406-407.
- Segerson, K., "Economic Impacts of Ozone and Acid Rain: Discussion," *American Journal of Agricultural Economics*, Volume 69(5), December 1987:970-71.
- Segerson, K., "Risk-Sharing in the Design of Environmental Policy," *American Journal of Agricultural Economics*, Volume 68 (5), December 1986:1261-1265.
- Chavas, J.P. and K. Segerson, "Singularity and Autoregressive Disturbances in Linear Logit Models," *Journal of Business Economics and Statistics*, Volume 4 (2), April 1986:161-169.
- Chavas, J.P., R.C. Bishop, and K. Segerson, "Ex Ante Consumer Welfare Evaluation in Cost-Benefit Analysis," *Journal of Environmental Economics and Management*, Volume 13 (3), September 1986:255-268.
- Segerson, K., "Economic Evaluation of Air Pollution Damage and Control: Discussion," *American Journal of Agricultural Economics*, Volume 68(2), May 1986:479-481.
- Segerson, K. and T.D. Mount, "A Non-Homothetic Two-Stage Decision Model Using AIDS," *The Review of Economics and Statistics*, Volume 67 (4), November 1985:630-639.
- Segerson, K., "Unilateral Transfrontier Pollution: The Role of Economic Inter-dependence," *Land Economics*, Volume 61 (1), February 1985:83-87.

## **Other Publications:**

- Zilberman, David, and Kathleen Segerson, "Top Ten Design Elements to Achieve More Efficient Conservation Programs," July 2012, Council on Food, Agriculture and Resource Economics (C-FARE), Washington, DC.
- Chrysochoou, Maria, Catalina Granda Carvajal, Kweku T. Brown, Geeta Dahal, Norman W. Garrick, Kathleen Segerson and Amvrossios Bagtzoglou, "Reviving Brownfields: Connecticut Institutions, Obstacles, and Prospects," *The Connecticut Economy*, Winter 2011.
- Joglekar, Deepak and K. Segerson, "India's Double Dividend," *International Affairs Forum*, Winter 2009/2010, pp. 31-34.
- Miceli, T.J., and K. Segerson, "The Paradox of Public Use: The Law and Economics of *Kelo v. New London*," *The Connecticut Economy*, Winter 2006, pp. 4-6.
- Barrett, J., and K. Segerson, "Prevention and Treatment in Food Safety: An Analysis of Conceptual Issues," in Julie A. Caswell, ed., *The Economics of Reducing Health Risk from Food*, Proceedings of

NE-165 Conference, Washington, D.C., 1995, Food Marketing Policy Center, University of Connecticut.

- Segerson, K., "Redesigning CERCLA Liability: An Analysis of the Issues," *Reason Foundation Policy Study* No. 186, January 1995.
- Segerson, K., "Environmental Policy and Risk," Proceedings of the S-232 Meeting, Gulf Shores, Alabama, March 1994.
- Segerson, K., "Lender Liability for Hazardous Waste Cleanup," *The Center for Environmental Health Newsletter*, University of Connecticut, Volume 5, No. 1, Fall 1992.
- Segerson, K., "Risk-Sharing in Pollution Control: Some Policy Issues," in Batie, S. and Kramer, R., eds., *Risk and Natural Resources: Proceedings of the Southern Natural Resource Economics Committee Workshop*, SNREC Publication No. 24, September 1987.
- Segerson, K., "The Political Economy of Acid Rain," *Economic Issues*, No. 88, 1984, Department of Agricultural Economics, University of Wisconsin-Madison.

### **Book Reviews:**

- "Agriculture: The Potential Consequences of Climate Variability and Change," by John Reilly, ed., *Agricultural Economics*, Volume 30(3), May 2004: 253-254.
- "The Road to Love Canal: Managing Industrial Waste Before EPA," by Craig E. Colten and Peter N. Skinner, *Growth and Change: A Journal of Urban and Regional Policy*, Volume 27(4), October 1996.
- "Whose Backyard, Whose Risks: Fear and Fairness in Toxic and Nuclear Waste Sitings," by Michael B. Gerrard, *Journal of Regional Science*, Volume 36(1), 1996: 156-158.
- "Land Right: The 1990's Property Rights Rebellion," by Bruce Yandle, ed., and "Regulatory Takings: Law, Economics and Politics," by William A. Fischel, *Journal of Policy Analysis and Management*, Volume 15(4), 1996: 672-677.
- "Economics of Natural Resources and the Environment," by David Pearce and R. Kerry Turner, *Land Economics*, Volume 67(2), 1991:272-276.
- "The Economics of Natural Resource Use," by John Hartwick and Nancy Olewiler, *Land Economics*, Volume 62(4), 1986:422-425.
- "Emissions Trading: An Exercise in Reforming Policy," by Tom Tietenberg, *Land Economics*, Volume 62(2), 1986:214-216.

### **Technical Reports:**

- Segerson, K. and Bruce L. Dixon, *Climate Change and Agriculture: The Role of Farmer Adaptation*, for Electric Power Research Institute, April 1995.
- Adams, R.M., B. McCarl, K. Segerson, et al., "The Economic Effect of Climate Change on U.S. Agriculture: Final Report," for Electric Power Research Institute, No, March 1995.
- Segerson, K. and Junjie Wu, "Economic Analysis and Groundwater Quality: A Survey of Related Research," for USDA/CSRS

- Segerson, K. and Junjie Wu, "The Impact of Government Programs and Land Characteristics on Groundwater Pollution in Wisconsin," for USDA/ERS Cooperative Agreement No. 58-3 AEM-9-80068.
- Yohe, G. and K. Segerson, "Economic Data and The Human Dimensions of Global Environmental Change: Creating a Data Support Process for an Evolving Long Term Research Program," Report of the Working Group on Economic Data, Human Dimensions of Global Environmental Change Programme, International Social Science Council, October 1992.
- Miceli, T.J., K. Segerson, and A.W. Wright, "Measuring the Impacts of Non-Uniform Product Liability Laws on the Cost of U.S. Goods: Phase I: Methodology and Study Design," Report submitted to U.S. Small Business Administration, Office of Advocacy, pursuant to Contract No. SBA 5647-OA-90, October 1991.
- Rojas, T.D. and K. Segerson, "Economic and Institutional Aspects of Risk and Liability in the Control of Groundwater Pollution," Water Resources Center, University of Wisconsin, Technical Completion Report on Project No. G-1053-06, 1987.

### **Current Working Papers/In Progress:**

- Johnston, Robert, Eric Schultz, Kathleen Segerson, Elena Besedin, and Mahesh Ramachandran, "Theoretical Limits on State Preference Commodities: Implications of Biophysical Production and Utility Theory," 2014.
- Segerson, Kathleen. "Collective Approaches to Fisheries Management," 2014.
- Miceli, Thomas, Kathleen Segerson, and Suo Wang, "Products Liability when Consumers Vary in Their Susceptibility to Harm and May Misperceive Risk," 2014.
- Miceli, Thomas, and Kathleen Segerson. "Opportunism in Sequential Investment Settings: On Holdups and Holdouts," 2013.
- Zhou, Rong, and Kathleen Segerson, "Individual versus Collective Quotas in Fisheries Management," 2013.
- Mukherjee, Zinnia and Kathleen Segerson, "Behavioral Response of Fishers to Hypoxia and the Distributional Impact on Harvest," 2013.
- Chen, Hsiao-Chi, Shi-Miin Liu, Lih-Chyi Wen, and Kathleen Segerson, "Regulating With and Without Private Recyclers," 2012.

### **Presentations at Meetings/Conferences/Workshops (as presenter):**

- "The Role of Economics in Environmental Policy Debates: Opportunities and Challenges," Fellows Address, Agricultural and Applied Economics Association Annual Meeting, Minneapolis, MN, July 28, 2014.
- "Individual vs. Collective Limits in Fisheries Management," Association of Environmental and Resource Economists Summer Conference, Banff, CANADA, June 7, 2013.
- "Agriculture and Water Quality: Key Insights from Economics," Heartland Environmental and Resource Economics Workshop, University of Illinois, November 10, 2012.

- “Voluntary Approaches to Environmental Protection and Resource Conservation: An Economic Perspective,” Danish Conference on Environmental Economics, Copenhagen, Denmark, August 27, 2012.
- “Voluntary Approaches to Marine Conservation: An Economic Perspective,” Nordic Center for Research on Marine Ecosystems and Resources Under Climate Change Annual Conference, Helsinki, Finland, October 4, 2012.
- “Assurance: Who Bears the Burden if Environmental Goals are Not Met?” Economic Research Service/U.S. Department of Agriculture Workshop on Providing Environmental Services from Agriculture in a Budget-Constrained Environment, Washington, DC., April 18, 2012.
- “The Role and Boundaries of Economic Valuation Techniques: Overview,” Invited Presentation, National Climate Assessment Workshop on Valuation Techniques and Metrics for Climate Change Impacts, Adaptation, and Mitigation Options: Methodological Perspectives for the National Climate Assessment, Washington, DC, January 11-12, 2011.
- “Integrating Ecology and Economics in the Study of Ecosystem Services,” 5<sup>th</sup> Annual Connecticut Forest Forum, Storrs, CT, November 24, 2009.
- “Economics of the Complex System: Value-Added Knowledge,” EMERGENeering 2008: Holistic Solutions for a Complex World, University of Vermont, October 16, 2008.
- “The Economics of Valuation of Ecosystem Services,” Association of Environmental and Resource Economists Annual Workshop, Mystic, CT, June 8, 2007.
- “Eliminating Polluting Products: Voluntary vs. Regulatory Approaches,” Allied Social Science Association Meetings, Chicago, IL, January 2007.
- “Environmental and Land Use Economics: Where are We Headed over the Next 25 Years,” presented at the *Frontiers in Resource and Rural Economics: Rural-Urban Interplay and Nature-Human Interactions* Symposium in honor of Emery Castle, Oregon State University, October 6-7, 2005.
- “Voluntary Approaches and the Use of Less Polluting Products,” Allied Social Science Association Meetings, Philadelphia, PA, January 2005.
- “An Assessment of Legal Liability as Market-based Instrument,” at Conference on Twenty Years of Market-based Instruments for Environmental Protection: Has the Promise been Realized? University of California at Santa Barbara, August 24, 2004.
- “Group Punishments: What do Ambient Taxes, Joint and Several Liability, and Voluntary Approaches have in Common?” Keynote Presentation, European Association of Environmental Economists Annual Meeting, Bilbao, Spain, June 29, 2003.
- “Do Exposure Suits Produce a Race to File? An Economic Analysis of a Tort for Risk,” CIRANO-IDEI-LEERNA Conference on “Regulation, Liability and the Management of Major Industrial/Environmental Risks,” Toulouse, France, June 11, 2003.
- “Do Voluntary Approaches to Climate Change Lead to Efficient Environmental Protection?” Workshop on “Voluntary Agreements in Climate Change,” Geneva, Switzerland, January 18, 2003.
- “Voluntary Approaches to Nonpoint Pollution Control: A New Role for Ambient Taxes,” Second World Congress of Environmental and Resource Economists, Monterey, CA, June 24, 2002.
- “Should There be a Tort for Risk?” Law and Economics Association Meeting, Cambridge, MA, May 5, 2002.



- "Agriculture and Water Quality: The Role of Economic Incentives," Conference on The Farm Bill and the Environment, Washington, D.C., June 28, 2001.
- "Voluntary Agreements with Industries: Short Run vs. Long Run Equilibrium," Conference on Economics and the Environment, University of Central Florida, November 30, 2000.
- "Economics as a Tool for Better Decision Making," invited presentation at National Research Council, Oceans Studies Board, Symposium on Nutrient Over-Enrichment in Coastal Waters: Global Patterns of Cause and Effect, Washington, D.C., October 2000.
- "Voluntary Environmental Agreements with Multiple Firms: The Role of Free Riding," invited presentation at Wharton Impact Conference on Environmental Contracts: Comparative Approaches to Regulatory Innovation in Europe and the United States, University of Pennsylvania, Philadelphia, PA., September 1999.
- "Conceptual Issues in the Economics of Land Use," invited presentation at the Workshop on "The Economics of Rural Land Use Change," University of Maine, July 1999.
- "Environmental Liability," invited presentation at Harvard Institute for International Development Workshop on Environmental Economics and Policy Analysis, Harvard University, Cambridge, MA., July 1999.
- "Water Quality," invited presentation at JFK School of Government Executive Program on Environmental Economics, Harvard University, Cambridge, MA., May 1999.
- "Do Voluntary Approaches Lead to Efficient Environmental Protection?" invited presentation at the 2nd CAVA Workshop on Voluntary Approaches, Copenhagen, Denmark, May 1999.
- "Liability Transfers: A U.S. Perspective," invited presentation at the Workshop on Liability, Economics and Insurance, University of Odense, Odense, Denmark, October 1998.
- "Voluntary vs. Mandatory Approaches to Non-point Pollution Control: Complements or Substitutes?" contributed paper presented at World Congress of Environmental and Resource Economists, Venice, Italy, June 1998.
- "Voluntary vs. Mandatory Approaches to Non-point Pollution Control: Complements or Substitutes?" invited paper presented at the GREEN/ CIRANO conference on Natural Resource and Environmental Economics, Quebec, Canada, November 1997.
- "Voluntary Approaches to Environmental Protection: The Role of Legislative Threats," invited presentation at the Conference on "The Economics and Law of Voluntary Approaches in Environmental Policy," Fondazione ENI Enrico Mattei and Cerna, Venice, Italy, November 1996.
- "Economics of Environmental Regulation: Approaches to Economic Optimization," invited presentation at Workshop on "Environmental Issues in Transmission and Distribution," Electrical Insulation Research Center, University of Connecticut, October 1996.
- "Government Regulation and Compensation for Takings: Implications for Agriculture," invited paper presented at the American Agricultural Economics Association Annual Meeting, Indianapolis, IN, August 1995.
- "Intergovernmental Transfers in a Federal System: An Economic Analysis of Un-funded Mandates," invited presentation at Conference on "Environmental Policymaking in a Federal System," Leuven, Belgium, June 1995.
- "Environmental Accidents: An Economic Framework for Policy Evaluation," invited paper presented at Workshop on "Environmental Liability Reform in Transition Economies," sponsored by the Harvard Institute for International Development, Riga, Latvia, February 1995.

- "Legal Liability as an Environmental Policy Tool: Some Implications for Land Markets," invited paper presented at the 1994 TRED Conference on Managing Externalities, Lincoln Institute, Boston, MA, October 1994.
- "On the Use of Spatial Data for Environmental Policy Analysis," invited presentation at the American Agricultural Economics Association Annual Meeting, San Diego, CA, August 1994.
- "Agriculture and Water Quality: The Economic Effects of Induced Nutrient Management," Cheseapeake Bay Research Conference, Norfolk, June 1994.
- "Property Transfers and Environmental Pollution," invited presentation at the Fondazione Eni Enrico Mattei, Milan, Italy, April 1994.
- "Environmental Policy and Risk," invited paper presented at the Annual Meeting of Regional Research Project S-232, Gulf Shores, Alabama, March 1994.
- "Compensation for Regulatory Takings: When Should Compensation be Paid?" Selected paper presented at Allied Social Science Association Annual Meeting, Boston, January 1994.
- "Issues in the Choice of Environmental Policy Instruments," invited paper presented at the Conference on Environmental Policy with Economic and Political Integration: The European Community and the United States, University of Illinois, Urbana-Champaign, October 1993.
- "Liability Transfers: The Role of Asymmetric Information," selected paper presented at the American Agricultural Economics Association Annual Meeting, Orlando, FL, August 1993.
- "Aggregation Bias and the Value of Site-Specific Information," with J. Wu, contributed paper presented at the American Agricultural Economics Association Annual Meeting, Baltimore, August 1992.
- "The Role of Mathematics in Teaching Economics," invited presentation at the American Agricultural Economics Association Annual Meeting, Baltimore, August 1992.
- "Economic Issues in Risk Avoidance," invited presentation at the Workshop on Electromagnetic Fields: How Do We Deal With the Issues? Meriden, CT, July 1992.
- "Incentive Issues in the Design of Non-point Source Pollution Control Policies," with Graham-Tomasi and J.B. Braden, invited paper presented at the Workshop on Theoretical Aspects of Non-point Pollution Control, Fondazione Eni Enrico Mattei, Milan, Italy, April 1992.
- "Information Problems in the Design of Non-point Source Pollution Policy" with John Braden, invited paper presented at the Association of Environmental and Resource Economists' Workshop on Management of Non-point Source Pollution, Lexington, KY, June 1991.
- "Liability Transfers: An Economic Assessment of Buyer and Lender Liability," invited paper presented at Workshop on Innovations in Environmental Law, Woods Hole Oceanographic Institute, Woods Hole, MA, April 1991.
- "The Structure of Penalties in Environmental Enforcement: An Economic Analysis," selected paper presented at Workshop on Innovations in Environmental Law, Woods Hole Oceanographic Institute, Woods Hole, MA, April 1991.
- "Economic Issues Related to Deep Ocean Waste Disposal," invited presentation at Symposium on Deep Ocean Waste Disposal, Woods Hole Oceanographic Institute, Woods Hole, MA, January 1991.
- "Institutional 'Markets': The Role of Liability in Allocating Environmental Resources," contributed paper presented at the Association of Environmental and Resource Economists Workshop on Natural Resource Market Mechanisms, Madison, Wisconsin, June 1990.

- "Aggregate Analysis of Site-Specific Pollution Problems: The Case of Groundwater Contamination from Agricultural Chemicals," with James Opaluch, invited paper presented at the annual meeting of the Resource Policy Consortium, Washington, D.C., May 1990.
- "Liability for Groundwater Contamination from Pesticides: The Case of EDB in Connecticut," contributed paper presented at the American Agricultural Economics Association Annual Meeting, Baton Rouge, LA., August 1989.
- "Rational Roots of 'Irrational' Behavior: New Theories in the Economics of Decision-Making" with James J. Opaluch, invited paper presented at the Northeastern Agricultural and Resource Economics Association Annual Meeting, State College, PA., June 1989.
- "Air Pollution and Agriculture: Are the Interactions Significant?" invited paper presented at the Commercial Agriculture and Resource Policy Symposium, Baltimore, May 1989.
- "Incentive Policies for the Control of Agricultural Water Pollution," invited paper presented at the Symposium on Water Quality and Agriculture: An International Perspective on Policies, Washington, D.C., April 1989.
- "Compensation for Full or Partial Takings: Who Should Pay What to Whom?" with Thomas J. Miceli, contributed paper presented at the Eastern Economic Association Meeting, Baltimore, March 1989.
- "Hicksian Welfare Measures in a Regret Theory Framework," with James J. Opaluch, contributed paper presented at the American Agricultural Economics Association Annual Meeting, Knoxville, Tenn., August 1988.
- "Joint Liability in Torts: Long-Run and Short-Run Efficiency Effects," with Thomas J. Miceli, contributed paper presented at the Eastern Economic Association Annual Meeting, Boston, March 1988.
- "The Role of Economic Interdependence in Inter-jurisdictional Acid Rain Disputes: The U.S. -- Canadian Case," contributed paper presented at the American Agricultural Economics Association Annual Meeting, East Lansing, Michigan, August 1987.
- "Risk-Sharing in Pollution Control: Some Policy Issues," invited paper presented at the Southern Natural Resource Economics Workshop on Risk and Natural Resources, Atlanta, October 1986.
- "Trade Modeling: The Applied General Equilibrium Approach," invited paper presented at the American Agricultural Economics Association Conference on Modeling for the Analysis of International Trade," Reno, July 1986.
- "Risk-Sharing in the Design of Environmental Policy," contributed paper presented at the American Agricultural Economics Association Annual Meeting, Reno, July 1986.
- "Risk-Sharing and Liability in the Control of Stochastic Externalities," contributed paper presented at the Association of Environmental and Resource Economists Workshop, Narragansett, R.I., June 1986.
- "Uncertainty and Incentives for Non-point Pollution Control," contributed paper presented at the American Agricultural Economics Association Annual Meeting, Ames, Iowa, August 1985.
- "Economic Incentives for the Control of Non-point Pollution," contributed paper presented at the Non-Point Pollution Symposium, Milwaukee, April 1985.

### **Seminar Presentations (since 1990):**

University of Rhode Island, 2014  
Yale University, 2013  
Union College, 2012 (Environmental Science, Policy and Engineering Winter Lecture Series)  
University of Binghamton, 2011  
Rochester Institute of Technology, 2011 (Gosnell Lecture)  
University of California at Riverside, 2011  
University of Kansas, 2010  
Yale University, 2010  
Clark University, 2009  
University of Delaware, 2009  
University of Wyoming, 2008  
University of Minnesota, 2008 (Philip M. Raup Lecture on Land and Environmental Policy)  
University of New Hampshire, 2008  
Iowa State University, 2008  
University of California, Santa Barbara, 2008  
University of Maryland, 2007  
University of Guelph, 2006  
University of Central Florida, 2006  
University of Rhode Island, 2005  
Yale University, 2005  
University of Laval, 2003  
Michigan State University, 2001  
Columbia University, 2000  
Clark University, 2000  
Colby College, 1999  
University of Nebraska, 1999  
Harvard University, 1998  
University of Illinois, 1998  
University of Indiana, 1998  
University of Michigan, 1998  
Academia Sinica (Taipei, Taiwan), 1998  
Chung-Hua Institution for Economic Research (Taipei, Taiwan), 1998  
CIRANO (Montreal), 1997  
Oregon State University, 1997  
University of California-Davis, 1997  
Yale University, 1997  
University of Minnesota, 1997  
Ohio State University, 1997  
University of Connecticut, Dept. of Agricultural Economics, 1997  
North Carolina State University, 1995  
Iowa State University, 1994  
Cornell University, 1994  
University of Wisconsin, 1993  
University of Guelph, 1993  
University of Maryland, 1993  
University of Rhode Island, 1993  
Washington University, 1993  
Yale University, 1993

**Grants/Contracts/Consultancies:**

- 2014-2016 "CNH-Ex: Interactive Effects of Economics, Public Policy, Land Use Change And Invasive Plants in Long Island Sound Watersheds," National Science Foundation (Chuanrong Zhang, P.I.)
- 2012-2014 "Cost-Benefit Analysis of California Drift Gillnet Fishery Closure for Sea Turtle Conservation," National Oceanographic and Atmospheric Administration, National Marine Fisheries Service
- 2012 "Connecticut Green Revenue Analysis," Connecticut Fund for the Environment.
- 2010-2012 "National Needs Fellowships for MS in Resource Economics with a Focus on Integrated Watershed Management and Policy," U.S. Department of Agriculture, National Institute of Food and Agriculture (Rigoberto Lopez, P.I.).
- 2008-2009 "Reversing Urban Sprawl: A Reclaimability Index Approach for Reviving Downtown Brownfields," Center for Transportation and Urban Planning (Maria Chrysochoou, P.I.)
- 2005-2008 "Improved Valuation of Ecological Benefits Associated with Aquatic Living Resources: Development and Testing of Indicator-Based Stated Preference Valuation and Transfer," U.S. Environmental Protection Agency STAR Grant (Robert Johnston, P.I.).
- 2007 "Voluntary Programs to Protect Pacific Sea Turtles: An Economic Evaluation", National Oceanographic and Atmospheric Administration, National Marine Fisheries Service.
- 2004-2006 "Optimal Regulation and Choice of Policy Instruments for Sea Turtles in the Pacific Ocean, Accounting for Risk of Detection and Effectiveness," National Oceanographic and Atmospheric Administration, National Marine Fisheries Service.
- 2003-2005 "An Experimental Economics Examination of Incentive Mechanisms for Reducing Ambient Water Pollution Levels from Agricultural Non-Point Source Pollution," Cornell University sub-contract, U.S. Environmental Protection Agency STAR Grant (Greg Poe, P.I.)
- 1995 "Environmental Liability Reform in Transition Economies," Harvard Institute for International Development.
- 1994 "Treatment vs. Prevention: An Analysis of Ex Ante vs. Ex Post Approaches to Food Safety," Food Marketing Policy Center, Department of Agricultural and Resource Economics, University of Connecticut.
- 1993-1995 "Climate Change and Agriculture: The Role of Farmer Adaptation," Electric Power Research Institute.
- 1993-1994 "Redesigning CERCLA Liability: An Analysis of the Issues," Reason Foundation, Los Angeles, CA.
- 1991-1993 "Regulations and Economic Incentives for Achieving Groundwater Quality," with C.R. Harper, C. Willis, and J.T. Finn (University of Massachusetts), Sub-awards of grant to University of Massachusetts from U.S. Department of Agriculture, Cooperative State Research Service.
- 1990-1991 "Measuring the Impacts of Non-Uniform Product Liability Laws on the Cost of U.S. Goods: Phase I: Methodology and Study Design," Contract with Arthur W. Wright and Associates, U.S. Small Business Administration, Office of Advocacy, Contract No. SBA 5647-OA-90.

1989-1993	"Evaluating the National/Regional Impacts of Policies to Control Agricultural Sources of Water Pollution: The Link to the Resource Base," Co-Operative Agreement with the U.S. Department of Agriculture, Economic Research Service.
1988-1989	"Liability for Groundwater Contamination: Economics Incentive and Distributional Effects," Institute of Water Resources, University of Connecticut.
Summer 1988	"Theoretical and Empirical Extensions of Cost/Benefit Measures Under Uncertainty," Research Foundation, University of Connecticut.
1985-1989	"Uncertainty and Irreversibility in Natural Resource Use," Agricultural Experiment Station, University of Wisconsin.
1985-1986	"Economic and Institutional Aspects of Risk and Liability in the Control of Groundwater Pollution," Water Resource Center, University of Wisconsin.

### **Other Professional Activities (since 1990):**

- Invited Panelist, Smarter Economy Conference, Harwich, MA, May 12, 2014.
- Radio Interview, "The Polluter Pays Principle: Mexico Considers Chewing Gum Tax," National Public Radio, The World, March 25, 2013.
- Invited Panelist, "Women in Agricultural Economics: A Centennial Celebration," Agricultural and Applied Economics Association annual meeting, July 26, 2010.
- Invited discussant, University of Pennsylvania Law School, Penn Program on Regulation, September, 2010.
- Invited participant, National Institute of Food and Agriculture, Workshop on Social Science Research Planning, Washington, D.C., May, 2010.
- Organizer/Moderator, Session on "Combining Environmental and Development Goals: Strategies for Moving Forward," AEA/AERE Joint Session, ASSA Meetings, Atlanta, GA, January 2010.
- Invited discussant, Selected Paper Session on "Pollution Control," Agricultural and Applied Economics Association Meeting, Milwaukee, WI, July 2009.
- Invited discussant, AERE Selected Paper Session on Firm Participation in Voluntary Environmental Programs and Compliance with Mandatory Environmental Regulations, Allied Social Science Association Meeting, January 2009.
- Philip M. Raup Lecture on Land and Environmental Policy, "Ecosystem Services: A New or Old Paradigm within Environmental Economics," University of Minnesota, May 1, 2008.
- Invited discussant, Economics, Law and the Environment Program, Symposium on "Property Rights in Environmental Assets: Economic and Legal Perspectives," University of Arizona, October 26, 2007.
- Invited discussant, Yale University, School of Management, Environmental Economics Conference, November 16, 2007.
- 4<sup>th</sup> Galloway Lecture, "Using Economics to Preserve Endangered Species: The Case of the Pacific Sea Turtle," University of Central Florida, March 23, 2006.
- Invited discussant, NBER Workshop of Environmental Economics Working Group, Cambridge, MA, April 8, 2006.

- Invited discussant, session on Evaluating Pollution Prevention Policies, American Agricultural Economics Association Meeting, Providence, RI, July 25, 2005.
- Invited discussant, commentator in session on EPA's Environmental Economic Research Needs and EPA's Research Strategy, American Agricultural Economics Association Meeting, Providence, RI, July 25, 2005.
- Invited discussant, session on "Voluntary Environmental Initiatives: Implications for Environmental and Financial Performance," American Agricultural Economics Association Meeting, Denver, CO, August 2004.
- Invited participant, symposium on "Who Will Help the Social Planner?" American Agricultural Economics Association Meeting, Denver, CO, August 2004.
- Research Fellow, Rural Development Research Consortium, University of California, Berkeley, 2003-Present.
- Invited participant, National Science Foundation sponsored Workshop on Developing a Research Agenda for Linking Ecological and Socioeconomic Systems, Tempe, AZ, June 2000.
- Invited panelist, EPA Workshop on Climate Change and Agriculture, Washington, D.C., May 1998.
- Invited discussant, National Bureau of Economic Research (NBER) Conference on Trade, the Environment, and Natural Resources, Cambridge, MA, May 1998
- Invited discussant, Allied Social Science Association (ASSA) Meeting, Chicago, January 1998.
- Invited discussant, American Agricultural Economics Association (AAEA) Meeting, Toronto, August 1997.
- Invited discussant for session at "Flexible Incentives for the Adoption of Environmental Technologies in Agriculture," University of Florida, Gainesville, FL, June 1997.
- Moderator/discussant at session on "Environmental Federalism," Association for Public Policy Analysis and Management, Pittsburgh, PA, November 1996.
- Invited discussant for session at "Economics of Sustainable Agriculture," U.S. Department of Agriculture, Economic Research Service, Washington, D.C., October 1996.
- Invited attendee at a conference on "Environmental Reform: The Next Generation Project," at Yale University, Yale Center for Environmental Policy and Law, September 1996.
- Invited discussant, "Environmental Auditing and Corporate Environmental Performance," Allied Social Science Association Meeting, Washington, D.C., January 1995.
- Invited discussant, "The Benefits of Groundwater Protection," Annual Meeting of the American Agricultural Economics Association, San Diego, CA, August 1994.
- Invited discussant, "Exploiting Spatial Data in Agriculture: New Theories, New Technologies," Annual Meeting of the American Agricultural Economics Association, San Diego, CA, August 1994.
- Member, Technical Review Committee for "Livestock and the Environment: A National Pilot Project," Iowa State University, 1994.
- Member, Editorial Board, CIESIN Thematic Guides on Global Warming, 1994.
- Member, Technical Review Committee, "Livestock and the Environment: A National Pilot Project," Iowa State University, 1993.

- Invited discussant, “Budget Balancing Incentive Mechanisms,” American Agricultural Economics Association Annual Meeting, Baltimore, MD, August 1992.
- Discussant, “Regulatory Systems and Systems Dynamics: An Institutional Analysis of Superfund,” American Economic Association Annual Meeting, December 1990.

**External Faculty Evaluations:** Arizona State University, Binghamton University, Boston University, Brandeis University, Claremont-McKenna College, Cornell University, Dartmouth College, Duke University (3), George Washington University, Georgia State University, Hartwick College, Indiana University, INSEAD, North Carolina State University, Ohio State University (2), Oregon State University (2), Penn State University (3), Portland State University, Queens University, Resources for the Future, San Diego State University, Texas A&M University, University of Arizona, University of California at Davis, University of California at San Diego, University of California at Santa Barbara, University of Central Florida, University of Helsinki, University of Illinois (4), University of Maryland, University of Michigan, University of Nevada – Las Vegas, University of Nevada -- Reno, University of New Hampshire, University of Ottawa, University of Pittsburgh, University of Rhode Island, University of Vermont, University of Victoria, University of Wyoming, Yale University (2)

**Journal/Manuscript Reviews:** *Agribusiness: An International Journal, Agricultural and Resource Economics Review, American Economic Review, American Journal of Agricultural Economics, American Journal of Economics and Sociology, American Law and Economics Review, BioScience, Canadian Journal of Agricultural Economics, Canadian Journal of Economics, Choices, Climate Change, Climate Change Economics, Climate Research, Conservation Biology, Contemporary Economic Policy, Ecological Economics, Economica, Economic Inquiry, Environment and Development Economics, Environmental and Resource Economics, European Economic Review, European Review of Agricultural Economics, European Review of Law and Economics, Food Policy, International Journal of the Economics of Business, International Journal of Production Economics, International Review of Environmental and Resource Economics, International Review of Law and Economics, Journal of Agricultural and Applied Economics, Journal of Agricultural and Food Industrial Organization, Journal of Agricultural and Resource Economics, Journal of Cleaner Production, Journal of Comparative Economics, Journal of Development Economics, Journal of Economic Behavior and Organization, Journal of Economic Education, Journal of Economics and Business, Journal of Economics and Management Strategy, Journal of Environmental Economics and Management, Journal of Environmental Management, Journal of Environmental Management and Strategy, Journal of Empirical Legal Studies, Journal of Industrial Economics, Journal of Institutional and Theoretical Economics, Journal of Law and Economics, Journal of Legal Studies, Journal of Marine Environmental Engineering, Journal of Policy Analysis and Management, Journal of Public Economic Theory, Journal of Public Economics, Journal of Real Estate Finance and Economics, Journal of Regulatory Economics, Journal of Urban Economics, Land Economics, Law and Policy, Managerial and Decision Economics, Marine Resource Economics, Oxford Economic Papers, Policy Studies Journal, Rand Journal of Economics, Resource and Energy Economics, Review of Agricultural Economics, Review of Economics and Statistics, Review of Environmental Economics and Policy, Review of Law and Economics, Scandinavian Journal of Economics, Southern Economic Journal, Strategic Behavior and the Environment, Urban Affairs Review, Water Resources Research, World Development.*

**Grant/Book Proposal Reviews:** AKF, Institute of Local Government Studies, Australian Science Foundation, Blackwell Publishers, Connecticut Sea Grant, Catholic University of Leuven, Kluwer



Academic Publishers, Mansholt Institute, MIT Press, National Academy of Sciences, National Oceanic and Atmospheric Administration, National Science Foundation, Netherlands Organization for Scientific Research, Ohio State University Sea Grant Program, Research Council of Canada, South-Western College Publishing, Socio-environmental Synthesis Center (SESYNC), Social Science and Humanities Research Council of Canada, Swiss National Science Foundation, U.S. Department of Energy, U.S. State Department, University of Maryland Agricultural Experiment Station, Minnesota Sea Grant Program, University of Hawaii Sea Grant, University of Rhode Island Experiment Station, Wisconsin Sea Grant Program, Worth Publishers.

**PhD Advisees (19):** Rasha Ahmed, Bobur Alimov, James Barrett, James Bathgate, Joel Corona, Na Li Dawson, Katalin Demeter, Deepak Joglekar, Kristin Roti Jones, Surabhi Kadambe, Sung-Woen Kim, Zheng Liu, Zinnia Mukherjee, Tapas Ray, Ishita Sengupta, Tsvetan Tsvetanov, Lih-Chyi Wen, Junjie Wu, Rong Zhou

### **Other Professional Service:**

- Agricultural and Applied Economics Association, Fellows Selection Committee, 2010-2013 (Chair, 2013-14).
- Association of Environmental and Resource Economists Summer Conference Program Committee, 2011-2013.
- European Association of Environmental and Resource Economists Annual Conference Program Committee, 2011- 2013.
- World Congress of Environmental and Resource Economists Program Selection Committee, 2010, 2014.
- President (President-elect, Immediate Past President), Association of Environmental and Resource Economists, 2009-2011.
- Member, Agricultural and Applied Economics Association, Foundation Endowment Committee, 2008-2011.
- Member, Agricultural and Applied Economics Association, Selected Posters Committee, 2008.
- Member, Nominating Committee, Association of Environmental and Resource Economists, 2005.
- Member, American Agricultural Economics Association Selected Papers Committee, 2004, 2008.
- Member, American Agricultural Economics Association Foundation Board, 2002-2005.
- Outstanding Doctoral Dissertation Award Committee, American Agricultural Economics Association, 2002-2004 (Chair in 2003).
- Member, Ad Hoc Committee on Name and Image Change, American Agricultural Economics Association, 2002-2003.
- Member, Paper Selection Committee, Second World Congress of Environmental and Resource Economists, 2002.
- Outside Dissertation Evaluator, University of Copenhagen, 2002.
- Member, Nominating Committee, Association of Environmental and Resource Economists, 2000-2001.

- Member, Program Committee, World Congress of Environmental and Resource Economists, 1998.
- Member, Association of Environmental and Resource Economists Workshop Committee, 1993-1995 (Chair in 1995).
- Member, American Agricultural Economics Association's Selected Papers Committee, 1995.
- Vice-President, Association of Environmental and Resource Economists, 1994-1995.
- Member, American Agricultural Economics Association's Selected Papers Committee, 1993.
- Member, Board of Directors, Association of Environmental and Resource Economists 1991-1993.
- Member, American Agricultural Economics Association Awards Committee (Professional Publications – Quality of Research Award), 1990-1993.
- Member, American Agricultural Economics Association Selected Papers Committee, 1991-1992.