

**SYLVIA BRANDT**  
Associate Professor  
Department of Resource Economics and  
Center for Public Policy and Administration  
University of Massachusetts, Amherst  
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## **EDUCATION**

Ph.D. in Agricultural and Resource Economics (2001). University of California, Berkeley.

- Dissertation: Coase and the clams: Constructing markets for property rights in fisheries.
- Advisor: Professor Michael Hanemann.

M.A. in Economics (1998). University of California, Berkeley.

B.A. with High Honors in Economics (1992). Oberlin College.

## **FIELDS OF INTEREST**

Fisheries economics, economics of health, non-market valuation.

## **NATIONAL APPOINTMENTS**

### **Scientific Advisory Board**

2009-2012 U.S. Environmental Protection Agency. Advisory Council on Clean Air Compliance. Council Member.

## **EMPLOYMENT**

2010 -- Associate Professor. Joint Appointments in Department of Resource Economics and Center for Public Policy and Administration. University of Massachusetts Amherst.

2008 -- Assistant Professor. Joint Appointments in Department of Resource Economics and Center for Public Policy and Administration. University of Massachusetts Amherst.

2005-2006 Visiting Scholar. School of Public Health. University of California, Berkeley.

2004-2008 Affiliated Professor. Center for Public Policy and Administration. University of Massachusetts Amherst.

2001-2008 Assistant Professor. Department of Resource Economics. University of Massachusetts Amherst.

## **GRANTS**

- 2010-2012 Valuing air pollution impacts on health: A comparison of revealed and stated preferences approaches in developed and developing countries. Fondo Nacional de Ciencia y Tecnologia (National Fund for Science and Technology, Chile). Brandt serves as research consultant, and the Principal Investigator is Felipe Vasquez.
- 2010-2012 Socioeconomic impacts of herring fisheries management in the Northeast: Looking back to move forward. National Oceanic and Atmospheric Administration. Brandt and Hall are Co-Principal Investigators. \$261,800 (UMass \$69,900).
- 2009-2012 Climate change and responses in a coupled marine system. National Science Foundation. The Principal Investigators on this interdisciplinary NSF Research Collaborative Research Project, in the Coupled Natural and Human Systems program, are: Brandt (UMass \$174,997, Award 0909338), Hoffman (Old Dominion \$300,000, Award 0908939), Mann (VIMS \$99,999, Award 0909316) and McCay (Rutgers \$926,068, Award 0909484). Project total \$1.5 million.
- 2009-2011 New approaches to estimating cost and burden of traffic-related air pollution. South Coast Air Quality Management District. \$328,000 (UMass \$78,000). Brandt and McConnell (USC) share the Principal Investigator role equally.
- 2008-2009 What determines household investments in health? The case of childhood asthma in low-income urban areas. University of Massachusetts Research Faculty Grant. \$24,000. Brandt is the sole Principal Investigator.
- 2003-2008 Phase Two: Implementation and evaluation of Controlling Asthma in American Cities Program. Centers for Disease Control and Prevention. \$1.3 million (UMass \$108,000). Tager (UC Berkeley) is PI on the asthma intervention. Brandt serves as PI on intervention assessment and as Co-PI on the total project.
- 2003-2005 Institutions, economics and regulatory design in fisheries. National Oceanic and Atmospheric Administration. \$83,000. Brandt is the sole Principal Investigator.
- 2003-2005 Valuing reduced asthma morbidity in children. US Environmental Protection Agency-Science to Achieve Results Grant. \$320,000 (UMass \$124,531). Hanemann (UC Berkeley) and Brandt share Principal Investigator role equally.

## **AWARDS**

- Public Policy Grants Workshop Fellow. Sponsored by Center for Public Policy at the University of Massachusetts Amherst and the Mellon Foundation. 2009-2010.

- National Oceanic and Atmospheric Administration/National Sea Grant Joint Graduate Fellowship in Marine Resource Economics. University of California, Berkeley. Spring 2000-Fall 2001.
- Giannini Foundation of Agricultural Economics Graduate Fellowship. University of California, Berkeley. Spring 1999.
- Phi Beta Kappa Graduate Student Scholarship. University of California, Berkeley. Spring 1998-Fall 1998.
- Abigail R. Hodgen Grant for Academic Publication. University of California, Berkeley. Spring 1998.
- National Science Foundation Graduate Research Fellowship. Fall 1994-Spring 1997.
- Phi Beta Kappa, Zeta Chapter of Ohio. Oberlin College. Spring 1992.
- Joel Dean Award for Outstanding Work in Economics. Oberlin College. Spring 1992.
- Jerome Davis Fellowship for Independent Honors Research. Oberlin College. Fall 1991-Spring 1992.
- Jesse Philips Award for Outstanding Work in Economics. Oberlin College. Spring 1991.

## PUBLICATIONS

### Refereed journal articles

#### *Published*

McCay, B., Brandt, S., Creed, C. (2011). Human dimensions of climate change and fisheries in a coupled system: The Atlantic surfclam case. *ICES Journal of Marine Science*, 68(6), 1354-1367.

Brandt, S., Gale, S., & Tager, I. (2011). The value of health interventions: Evaluating asthma case management using matching. *Applied Economics*, 44(17), 2245-2263.

Brandt, S. & St. Marie, P. (2011). Racial disparities in hospital length of stay for asthma: Implications for economic policies. *Journal of Family and Economic Issues*, 32(1), 152-169.

Brandt, S., Gale, S., & Tager, I. (2010). Estimation of treatment effect of asthma case management using propensity score methods. *American Journal of Managed Care*, 16(4), 257-263.

McEvoy, D., Brandt, S., Lavoie, N., & Anders, S. (2009). The effects of ITQ management on fishermen's welfare when the processing sector is imperfectly competitive. *Land Economics*, 85(3), 470-484.

Brandt, S. & Ding, N. (2008). Impact of property rights on labor contracts in commercial fisheries. *Ocean and Coastal Management*, 51(11), 740-748.

Brandt, S. (2007). Evaluating tradable property rights for natural resources: The role of strategic entry and exit. *Journal of Economic Behavior & Organization*, 63(1), 158-176.

Sadof, M., Boschert, K., Brandt, S., & Motyl, A. (2006). An analysis of predictors of sustainability efforts at the Inner-City Asthma Intervention sites. *Annals of Allergy, Asthma and Immunology*, 97(1), S31-S35.

Brandt, S. & McEvoy, D. (2006). Distributional effects of property rights: Transitions in the Atlantic herring fishery. *Marine Policy*, 30(6), 659-670.

Ash, M. & Brandt, S. (2006). Disparities in asthma hospitalizations in Massachusetts. *American Journal of Public Health*, 96(2), 358-362.

Brandt, S. (2005). The equity debate: Distributional impacts of individual transferable quotas. *Ocean and Coastal Management*, 48(1), 15-30.

Brandt, S. (2005). A tale of two clams. *Regulation*, 28(1), 18-21.

Brandt, S. (1995). The efficacy of limited access policies: A case study of the quahog and surf clam fisheries. *Journal of Environmental Systems*, 23(1), 21-49.

*Accepted and in press*

Brandt, S., Perez, L., Künzli, N., Lurhman, F., & McConnell, R. Costs of childhood asthma due to traffic-related pollution in two California communities. *European Respiratory Journal*.

*Revise and resubmit*

Magzamen, S, Brandt, S., & Tager, I. A new framework for asthma management research: A joint venture in epidemiology and economics. *Milbank Quarterly*.

Brandt, S. & Dickinson, B. Role of individual time and risk preferences on the use of asthma controller medication. *Pediatrics*.

Brandt, S., Vasquez Lavin, F., & Hanemann, M. Designing contingent valuation scenarios for environmental health: The case of childhood asthma. *Value in Health*.

*Under review*

Brandt, S. & Hanemann, M. Valuation methodologies for chronic illnesses.

Magzamen, S., Gale, S., Brandt, S., & Tager, I. Using community surveys to identify healthcare patterns among children with asthma.

Viteri, C. & Brandt, S. Setting incentives to manage tourism in the Galapagos Islands: A choice experiment approach.

Creed, McCay, Haidvogel, Munroe, Klinck, Powell, Mann, Hofman, Brandt and Viteri. Spatial Scale and the Atlantic Surfclam Fishery.

### **Refereed book chapters**

Samnaliev, M. & Brandt, S. (2005). Further inquiry into the effect of managed care on the utilization and cost of medical care among patients diagnosed with asthma and diabetes. In Y. Yfantopoulos (Ed.), *The economics of health reforms* (pp. 325-340). Athens, Greece: Athens Institute for Education and Research.

McCay, B. & Brandt, S. (2001). Changes in fleet capacity and ownership of harvesting rights in the United States surf clam and ocean quahog fishery. In R. Shotton (Ed.), *Case studies on the effects of transferable fishing rights on fleet capacity and concentration of quota ownership* (pp. 44-60). Rome, Italy: Food and Agricultural Organization of the United Nations.

### **Refereed book reviews**

Brandt, S. Review of *Fishery buybacks*, by D. Squires & R. Curtis (Eds.). *American Journal of Agricultural Economics*. Accepted for publication.

Brandt, S. (2004). Review of *Policy instruments for environmental and natural resource management*, by T. Sterner. *American Journal of Agricultural Economics*, 86(4), 1154-1156.

### **Refereed proceedings and abstracts**

Magzamen, S., Brandt, S., & Tager, I. (2005). Integrating epidemiologic evidence and economic evaluation: A contingent valuation approach. *Proceedings of the Society for Epidemiology Research*. Toronto, Canada.

Brandt, S. & Netzer, N. (2003). Health impacts of proposed changes to the Clean Air Act: Implications for economic assessments. Presented at the Association of Public Policy and Management. Washington, DC. Available at *APPAM On-line*.

### **Policy articles**

Brandt, S. (2009). Against physician pay-for-performance. *The Washington Post* (online), July 30, 2009. [http://voices.washingtonpost.com/hearing/2009/07/against\\_physician\\_pay-for-perf.html](http://voices.washingtonpost.com/hearing/2009/07/against_physician_pay-for-perf.html).

### **Monographs**

Brandt, S. (2003). Economic evaluation of tradable property rights. California Sea Grant Technical Narrative E/MRE-2.

McCay, B. & Brandt, S. (2001). Cost profile of the surf clam and ocean quahog industry. Final Report to the Cooperative Marine Education and Research/NOAA/Rutgers University Research Project. DOC-NOAA-Surfclamming and Quahogging.

McCay, B. & Brandt, S. (2001). Initial allocation in the Mid-Atlantic surf clam and ocean quahog individual transferable quota fisheries. Report to the Food and Agricultural Organization of the United Nations.

McCay, B. & Brandt, S. (2001). Fishing capacity and ownership patterns in the Mid-Atlantic surf clam and ocean quahog individual transferable quota fisheries. Report to the Food and Agricultural Organization of the United Nations.

### **Working papers**

Brandt, S., Gale, S., & Tager, I. (2009). Economic evaluation of asthma interventions using propensity score matching. Working Paper 2009-3. Department of Resource Economics, University of Massachusetts Amherst. <http://people.umass.edu/resec/workingpapers/>.

Brandt, S., Vasquez, F., & Hanemann, M. (2008). Designing contingent valuation scenarios for environmental health: The case of childhood asthma. UCDARE Working Paper 1076. Department of Agricultural & Resource Economics, University of California, Berkeley. [http://repositories.cdlib.org/are\\_ucb/1076](http://repositories.cdlib.org/are_ucb/1076). Peer reviewed.

Sadof, M. & Brandt, S. (2007). Asthma management survey of participants in an inner city asthma intervention. Working Paper 2007-2. Department of Resource Economics, University of Massachusetts Amherst. <http://people.umass.edu/resec/workingpapers/>.

Brandt, S. (2003). Evaluating tradable property rights for natural resources: The role of strategic entry and exit. Working Paper 2003-9. Department of Resource Economics, University of Massachusetts Amherst. <http://people.umass.edu/resec/workingpapers/>.

Brandt, S. (2003). A tale of two clams: Policy anticipation and industry productivity. Working Paper 2003-10. Department of Resource Economics, University of Massachusetts Amherst. <http://people.umass.edu/resec/workingpapers/>.

## **PRESENTATIONS**

### **Peer refereed**

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| 2010 | Viteri, C. & Brandt, S. Setting incentives to manage tourism in the Galapagos Islands: A choice experiment approach. Fourth World Congress of Environmental and Resource Economists. Montréal, Canada. (Presented by C. Viteri) |
| 2008 | Brandt, S., Gale, S., & Tager, I. Estimation of treatment effect of asthma case management using propensity score methods. American Public Health Association. San Diego, CA. (Presented by S. Gale.)                           |
|      | Brandt, S., Vasquez, F., & Hanemann, M. Integrating household perspectives into revealed preference models. Society for Risk Analysis. Boston, MA.  |
|      | Brandt, S., Gale, S., & Tager, I. Economic analysis of an asthma intervention using propensity score methods. American Society of Health Economists. Durham, NC.  |

- Brandt, S., Vasquez, F., & Hanemann, M. Valuing what matters to the family: A research protocol for contingent valuation surveys. American Association of Environmental and Resource Economists. Berkeley, CA.
- 2007 Brandt, S. & Hanemann, M. Valuing reduced asthma morbidity in children. American Economics Association. Chicago, Illinois.
- 2006 McEvoy, D., Brandt, S., Lavoie, N., & Anders, S. The effects of ITQ management on fishermen's welfare in the presence of an imperfectly competitive processing sector. American Agricultural Economics Association. Long Beach, CA. (Presented by D. McEvoy.)
- Magzamen, S., Brandt, S., & Tager I. Strategies to identify relevant behaviors and costs in family asthma management. American Society of Health Economists. Madison WI. (Presented by S. Magzamen.)
- 2005 Brandt, S. & Netzer, N. Forecasting the effects of the Clear Skies Act on health disparities. International Health Economics Association. Barcelona, Spain.
- 2003 Brandt, S. & Netzer, N. Health impacts of proposed changes to the Clean Air Act: Implications for economic assessments. Association for Public Policy and Management. Washington, DC.
- Brandt, S. Contrasting a traditional teaching style to a technology aided style. American Agricultural Economics Association. Montreal, Canada.
- Brandt, S. A Tale of two clams: Policy anticipation and industry productivity. American Agricultural Economics Association. Montreal, Canada.
- Brandt, S. Evaluating tradable property rights for natural resources: The role of strategic entry and exit. European Association of Environmental and Resource Economists. Bilbao, Spain.
- Brandt, S. Equity versus efficiency: A comparison of two regulatory approaches to natural resources. European Association of Environmental and Resource Economists. Bilbao, Spain.
- 2002 Brandt, S. & Hanemann, M. Designing an instrument to value reduced asthma morbidity in children. Annual Meeting of the Southern Economic Association. New Orleans, LA.
- Brandt, S. Efficiency versus equity: The impact of property rights on industry structure. Second World Congress of Environmental and Resource Economists. Monterey, CA.
- 1998 Brandt, S. The efficiency of transferable property rights for common property resource regulation: A theory or a reality? American Agricultural Economics Association Conference. Salt Lake City, UT.
- 1997 Brandt, S. Policy and productivity in a common property fishery. Western Economic Association International Annual Conference. Seattle, WA.

- 1992 Brandt, S. The efficacy of limited access policies. Illinois Economic Association. Chicago, IL.

### Invited seminars

- 2011 Brandt, S. Costs of pollution related burden of childhood asthma in Los Angeles County. Burden of Disease Workshop. University of Southern California.
- 2011 Brandt, S. Household perspective on the burden of asthma. Measuring the Costs of Climate Change to US Public Health. Boston, MA. Workshop sponsored by the Union of Concerned Scientists.
- 2010 Brandt, S. Valuation of children's health. Distinguished Visitors Program - Corona Chair. Universidad De Los Andes. Bogota, Colombia.
- 2008 Brandt, S. Reforming health care with the Massachusetts model. Connecting Ideas with Action Panel, Center for Public Policy and Administration. University of Massachusetts, Amherst.
- Brandt, S. The economics of asthma. Presentations to the Health, Econometrics and Data Group and Health Policy Center. University of York.
- Brandt, S. New methodologies for valuing health. Zumberge Workshop. University of Southern California.
- 2007 Brandt, S. & Hanemann, M. Willingness to pay for improved health: Comparison of stated and revealed preference approaches. Environmental Economics Seminar Series. Yale University.
- 2006 Brandt, S. & Hanemann, M. Valuing reduced asthma morbidity in children. Morbidity and Mortality: How Do We Value the Risk of Death and Illness? U.S. EPA's National Center for Environmental Economics. Washington, D.C.
- Brandt, S. Institutional distortions of markets for tradable property rights. Institutional Analysis Seminar, Haas School of Business. University of California, Berkeley.
- Brandt, S. Economic analysis of health interventions. Institute of Business and Economic Research. University of California, Berkeley.
- 2005 Brandt, S. & Tager, I. Time series analysis for evaluations of asthma interventions. Controlling Asthma in America's Cities Program, Centers for Disease Control and Prevention. Atlanta, Georgia.
- 2004 Brandt, S. & Hanemann, M. Designing a revealed preference survey. Industrial Economics. Cambridge, MA.
- Brandt, S. Measuring strategic bias from property rights. Department of Economics. University of Connecticut, Storrs.
- Brandt, S. Evaluating tradable property rights for fisheries. Department of Environmental and Natural Resource Economics. University of Rhode Island.



- Brandt, S. Air quality and repeat hospitalizations. Center for Energy and Environmental Studies Seminar Series. Boston University.
- 2003 Brandt, S. & Hanemann, M. Valuing reduced asthma morbidity in children. Valuing Environmental Health Risk Reductions to Children, U.S. EPA's National Center for Environmental Economics. Washington, DC.
- 2002 Brandt, S. Allocation of tradable property rights: Lessons from the surf clam fishery. National Oceanic and Atmospheric Administration Research Meetings. Silver Springs, MD.
- Brandt, S. The role of strategic behavior in the evaluation of tradable property rights. Annual Meeting of the Ocean Governance Studies Group Conference. Berkeley, CA.
- 2001 Brandt, S. ITQs: What do we know? Where do we go? National Oceanic and Atmospheric Administration/National Sea Grant Research Fellows Meeting. Silver Spring, MD.
- 1994 Brandt, S. Economic impacts of brownfields. Environmental Priorities for Northeast Ohio Conference. Case Western Reserve University.
- 1992 Brandt, S. Cost-benefit methodology for lead abatement. Lead Poisoning Seminar. Case Western Reserve University.

### **Refereed poster sessions**

- 2010 Viteri, C. & Brandt, S. Setting incentives to manage tourism in the Galapagos Islands: A choice experiment approach. Economics and Environment Network Symposium. Canberra, Australia. (Presented by C. Viteri)
- 2005 Magzamen, S., Brandt, S., & Tager, I. Integrating economic evaluation and epidemiologic evidence: A contingent evaluation approach. Society for Epidemiologic Research-Canadian Society of Epidemiology and Biostatistics Joint Meeting. Toronto, Canada. (Presented by S. Magzamen.)
- Boschert, K., Brandt, S., & Sadof, M. An assessment of the Inner City Asthma Intervention Program in Springfield, Massachusetts. American Public Health Association. Philadelphia, PA.
- Brandt, S. & Brandt, E. Evaluation of reducing alcohol abuse through curriculum infusion: Assessment of implementation on college campuses. American Public Health Association. Philadelphia, PA.
- Brandt, S. & Ash, M. Social disparities in asthma outcomes. International Health Economics Association. Barcelona, Spain.
- 2004 Brandt, S. & Hanemann, M. Households' responses to perceived air pollution and childhood asthma morbidity. American Public Health Association. Washington, D.C.

Brandt, S. & Hanemann, M. Valuation of reduced asthma morbidity. EPA Science Forum 2004: Health of Communities and Ecosystems. Washington, D.C.

## TEACHING

### Undergraduate courses

Introduction to Statistics for the Social Sciences	Spring 2002, 2003, 2004, 2005; Fall 2007
Special Topics in Resource and Environmental Economics	Fall 2004*, 2006*, 2007*, 2008, 2009, 2010

*\* Indicates the course was team-taught that semester.*

### Graduate courses

Environmental and Resource Economics (M.S.)	Fall 2002*, 2003*, 2004*, 2006*
Advanced Environmental and Resource Economics (Ph.D.)	Fall 2002*, 2003*, 2004*, 2006*, 2007*, 2008, 2009*, 2010*
Applied Public Sector Economics (M.S. in Public Policy)	Spring 2009 and 2010, Fall 2010
Economics of Climate Change (M.S. in Public Policy)	Fall 2009

*\* Indicates the course was team-taught that semester.*

### Informal courses (number of students in parentheses)

Undergraduate Honors practicum in research design	2010-2011 (5)
Graduate-level independent reading	2002-2003 (3), 2003-2004 (2), 2007-2008 (1), 2010-2011 (2)
Undergraduate-level independent reading	2004-2005 (1), 2008-2009 (2)
Member of undergraduate honor's thesis committee	2002-2003 (1), 2007-2008 (1), 2010-2011 (1)
Undergraduate internship supervisor	2003-2004 (1), 2007-2008 (1)
Community service learning	
• Internship at local animal shelter	Fall 2004-Spring 2005 (19)
• Statistics projects for local non-profits	Spring 2005 (2)

**Graduate students***Doctoral advisor*

- 2013 Christopher Burns, Resource Economics, University of Massachusetts Amherst (expected date).
- 2010 Cesar Viteri Mejia, Resource Economics, UMass (expected date).

*Doctoral committee member*

- 2012 Robin Kemkes, Economics, University of Massachusetts Amherst (expected date).
- 2011 Helen Scharber, Economics, University of Massachusetts Amherst (expected date).
- 2007 Sheryl Magzamen, Epidemiology, University of California, Berkeley.  
Sirisha Naidu, Resource Economics, University of Massachusetts Amherst.
- 2006 Maria Velez, Resource Economics, University of Massachusetts Amherst.  
David Damery, Resource Economics, University of Massachusetts Amherst.
- 2004 Mihail Samnaliev, Resource Economics, University of Massachusetts Amherst.

*Master's thesis advisor*

- 2011 Laura Alayon, Resource Economics, University of Massachusetts Amherst (expected date).
- 2006 Michael Kruzewski, Resource Economics, University of Massachusetts Amherst.  
Kathryn Boschert, Resource Economics, University of Massachusetts Amherst.

*Master's thesis committee member*

- 2010 Brenton Dickinson, Resource Economics, University of Massachusetts Amherst.
- 2003 Ning Ding, Resource Economics, University of Massachusetts Amherst.

*Master's research project advisor*

- 2011 Diana Weiss, Resource Economics, University of Massachusetts Amherst (expected date).
- 2009 Thomas Martin, Resource Economics, University of Massachusetts Amherst.
- 2008 Amy Baker, Resource Economics, University of Massachusetts Amherst.

- 2005 Yi Zhong, Resource Economics, University of Massachusetts Amherst.
- 2004 Matthew Saradjian, Center for Public Policy & Administration, University of Massachusetts Amherst.
- 2003 Li Zhao, Resource Economics, University of Massachusetts Amherst.

## **SERVICE**

### **Referee**

#### *Thesis competitions*

- Northeastern Agricultural and Resource Economics Association Master's Thesis Competition. Chair of judging committee. 2011.
- Northeastern Agricultural and Resource Economics Association Master's Thesis Competition. Member of judging committee. 2009 and 2010.
- American Agricultural Economics Association Master's Thesis Competition. Member of judging committee. 2004, 2005 and 2006.

#### *Journals*

- American Journal of Agricultural Economics
- American Journal of Managed Care
- American Journal of Public Health
- Applied Economics
- Applied Health Economics and Health Policy
- Australian Journal of Agricultural Economics
- B.E. Journal of Theoretical Economics
- Energy and Resource Economics
- Environment and Development Economics
- Health Economics
- Journal of Policy Analysis and Management
- Journal of Family and Economic Issues
- Marine Resource Economics
- Ocean and Coastal Economics

### *Presses*

- American Fisheries Society

### *Grant agencies*

- National Science Foundation, Dynamics of Coupled Natural and Human Systems. 2010.
- Latin American and Caribbean Environmental Economics Program (LACEEP), Rounds IX, X, and XI.
- Social Science and Humanities Research Council of Canada.
- Maryland Sea Grant.
- California Sea Grant.
- New Hampshire Sea Grant.

### *Annual conferences*

- Agricultural and Applied Economics Association, Institutional and Behavioral Economics Section. 2008.
- American Agricultural Economics Association. 2002, 2003.

### **Committees**

- Advisor for two research projects sponsored by the Latin American and Caribbean Environmental Economics Program (LACEEP).

### **Professional meetings**

- Session moderator. Association of Environmental and Resource Economists, American Economics Association. San Francisco, CA. January 2009.
- Discussant. American Society of Health Economists. Durham, NC. June 2008.
- Discussant. Association of Environmental and Resource Economists, American Economics Association. New Orleans, LA. January 2008.
- Discussant (2 sessions). European Association of Environmental and Resource Economists. Bilbao, Spain. June 2003.
- Session moderator. European Association of Environmental and Resource Economists. Bilbao, Spain. June 2003.
- Session moderator. American Agricultural Economics Association. Montreal, Canada. July 2003.

- Discussant. Association for Public Policy Analysis and Management. Washington, DC. November 2003.
- Discussant. Second World Congress of Environmental and Resource Economists. Monterey, CA. June 2002.

### **Other professional service**

- Contractor for U.S. EPA National Center for Environmental Economics on a collaboration between NCEE and Centers for Disease Control and Prevention to revise the 2007 National Health and Nutrition Examination Survey. 2005.
- Expert Contact for Sea Grant for issues central to the Oceans Act of 2000. 2004.
- Consultant to U.S. Government Accountability Office for report to Congress on imperfections in the markets for tradable property rights in fisheries. 2002.

### **University and departmental service**

#### *Center for Public Policy and Administration*

- Member, Research Committee, 2010-2012.
- Chair, Curriculum Committee, 2009-2010.
- Member, Curriculum Committee, 2008-2009.
- Coordinator, Health Research Working Group, Center for Public Policy and Administration. 2003-2004.

#### *Resource Economics*

- Director of Departmental Honors Program, Honors Program of the Commonwealth College, 2009 -- present.
- Department Representative, Environmental Science Steering Committee, 2010-2012.
- Co-Chair, Departmental Seminar Committee. 2002-present.
- Faculty Representative, Massachusetts Society of Professors, UMass Amherst-Boston Chapter. 2004 to present.
- Member, Faculty Committee for Ph.D. Qualifiers. 2002-present.
- Member, Departmental Undergraduate Committee. 2002-2005, 2008-present.
- Member, Departmental Research and Grants Committee. 2006-present.

#### *University*

- Executive Board Member, Massachusetts Society of Professors, UMass Amherst-Boston Chapter. 2004-2005 and 2008 to present.

- Pilot test of Academic Computing and SIS Project to integrate WebCT and SPIRE, Office of Information Technologies. May 2004.

### **Testimony and radio appearances**

- Interviewed on Valley Free Radio on the costs of childhood asthma. July 5, 2011.
- Presented review of estimates of the costs of asthma under climate change at the New Hampshire Health Forum sponsored by the Union Concerned Scientists. June 4, 2011.
- Testified at special hearing of Springfield, MA City council on the health costs of proposed biomass power plant. May 17, 2011.
- Testified at State House hearing on decline in faculty numbers; testimony from December 2004 included in report issued by hearing panel. Boston, MA. February 16, 2005.
- Quoted in WFCR broadcast (local NPR station). Amherst, MA. December 2, 2004.
- Spoke at press conference. The Faculty Shortage at the University of Massachusetts Amherst. Amherst, MA. December 1, 2004.