

Jay P. Shimshack
April 2017

Frank Batten School of Leadership and Public Policy
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FIELDS

Fields: Regulation, Environmental Economics, Applied Microeconomics, Corporate Social Behavior

Specializations: Law and Economics of Environmental Monitoring and Enforcement; Choice of Environmental Policy Instruments; Economics of Corporate Social Responsibility; Information, Transparency, and Advisories; Benefits and Costs of Environmental and Health Policy.

EMPLOYMENT

University of Virginia. Associate Professor of Public Policy & Economics Frank Batten School of Leadership and Public Policy.	2014 – present
Tulane University. Associate & Assistant Professor of Economics. Department of Economics.	2008 – 2014
University of Michigan. Visiting Professor of Business Econ. & Public Policy. Erb Institute for Sustainable Enterprise, Ross School of Business.	2009 – 2010
Tufts University. Assistant Professor of Economics. Department of Economics.	2002 – 2008

OTHER PROFESSIONAL APPOINTMENTS

Co-editor, <i>Journal of Environmental Economics and Management</i> .	2014 – 2017
Editorial Council, <i>J. of the Association of Environmental & Resource Economics</i> .	2014 – 2017
Editorial Council, <i>Journal of Environmental Economics and Management</i> .	2009 – 2013
Director, Program for Responsible Regulation, Center for Public Policy Research. Murphy Institute, Tulane University.	2011 – 2014
Director of Graduate Studies, Tulane University Department of Economics.	2012 – 2014
UC Santa Barbara. Donald Bren School. Visiting Academic Researcher.	2004 – 2005

EDUCATION

Ph.D. University of California, Berkeley Agricultural and Resource Economics	2002
M.S. University of California, Berkeley Agricultural and Resource Economics	2000
B.S. Cornell University, College of Agricultural and Life Sciences Business Marketing and Management	1995

PEER-REVIEWED PUBLICATIONS

- “Valuing Marine Diversity in the Gulf of Mexico: Evidence from the Proposed Boundary Expansion of the Flower Garden Banks National Marine Sanctuary,” w/ S. Stefanski. *Marine Resource Economics*. 31(2) (April 2016): 211-232.
- “Environmental Disclosure: Evidence from Newsweek’s Green Companies Ranking,” w/ T. Lyon. *Business and Society*. 54(5) (September 2015): 632-675.
- “Environmental Enforcement and Compliance: Lessons from Pollution, Safety, and Tax Settings,” w/James Alm. Published as a BOOK in the *Foundations and Trends in Microeconomics* series, Boston: Now Publishers Inc. (2014). Published as an article in the *Foundations and Trends in Microeconomics* Journal. 10 (December 2014): 209-274. REPRINTED in *Environmental Taxation and the Law* (Janet Milne, editor). Edward Elgar. September 2017. 1760pp.
- “The Economics of Environmental Monitoring and Enforcement: A Review,” *Annual Review of Resource Economics*. 6 (October 2014): 339–60.
- “Air Pollution and Children’s Health: a Cohort Analysis,” w/ Timothy Beatty. *Journal of Environmental Economics and Management*. 7(1) (January 2014): 39-57.
- “Economic Perspectives on Corporate Social Responsibility,” w/ Markus Kitzmueller. *Journal of Economic Literature*. 50(1) (March 2012): 51-84. REPRINTED in Economics of Corporate Social Responsibility, ed. McWilliams. Edward Elgar. January 2015.
- “Absolute Humidity, Temperature, and Influenza Mortality: 30 Years of County-Level Evidence from the United States,” w/ Alan Barreca. *American Journal of Epidemiology*. 176 (2012): S114-S122.
- “School Buses, Diesel Emissions, and Respiratory Health,” w/ Timothy Beatty. *Journal of Health Economics* 30(5) (September 2011): 987-999.
- “The Effectiveness of Environmental Monitoring and Enforcement: A Review of the Empirical Evidence,” w/ W. Gray. *Review of Environmental Econ. and Policy*. 5(1) (Winter 2011): 3-24. REPRINTED in Enforcement of Environmental Law, edited by Ludwig Krämer. The International Library of Law and the Environment, Edward Elgar, 2016.
- “Mercury Advisories and Household Health Trade-offs,” w/ M.B. Ward. *Journal of Health Economics* 29(5) (September 2010): 674-685.
- “The Impact of Climate Change Information: New Evidence from the Stock Market,” w/ Timothy Beatty. *B.E. Journals of Economic Analysis and Policy (Contributions)*. 10:1 (2010): Article 105.
- “Public & Private Enforcement: Substitutes or Complements?” w/ C. Langpap.” *Journal of Environmental Economics and Management* 59(3) (May 2010): 235-249.
- “Mandatory Information Disclosure in the Electricity Industry,” w/ M. Delmas and M. Montes. *Economic Inquiry* 48(2) (April 2010): 483-498.
- “Enforcement and Over-compliance,” with M.B. Ward. *Journal of Environmental Economics and Management* 55(1) (January 2008): 90-105. Reprinted in Corporate Sustainability, eds. Diermeier, Lyon, and Dowell. Sage, London, England. 2014.
- “Curbside Recycling in the Presence of Alternatives.” with T.K.M. Beatty and P. Berck. *Economic Inquiry* 45(4) (October 2007): 739-755.

“Mercury Advisories: Information, Education, and Fish Consumption” with M.B. Ward and T.K.M. Beatty. *Journal of Environmental Economics and Management* 53(2) (March 2007): 158-179.

“Regulator Reputation, Enforcement, and Environmental Compliance” with M.B. Ward. *Journal of Environmental Economics and Management* 50(3) (November 2005):519-540. Reprinted in Making Law Work: Environmental Compliance & Sustainable Development, eds. Zaelke, Kaniaru, and Kružíková. Cameron May, London, England. Ch. 4. 2005.

“The Effects of the Private-Label Invasion in Food Industries,” with M.B. Ward, J. M. Perloff, and J.M. Harris. *American Journal of Agricultural Economics* 84(4) (November 2002): 961-973.

WORKS IN PROGRESS

“Disaster Preparedness and Disaster Response: Evidence from bottled water sales before and after tropical cyclones,” w/ T. Beatty and R. Volpe. *Revisions Requested*.

“Enforcement spillovers: Lessons from strategic interactions in regulation and product markets,” w/ M. Evans and S. Gilpatric. *Submitted Working Paper*.

“Does Mandatory Labeling of Outfall Points influence Pollution and Compliance? Evidence from a natural experiment in Ohio,” w/ X. Liu. *Working Paper*.

“Industrial facilities and cancer clusters in China: A village-level analysis,” w/ X. Zhang and H. Yin. *Working Paper*.

“Air pollution, infant morbidity, and infant mortality: Evidence from 15 years of births and deaths in Hong Kong” w/ D. Lin and S. Liu. *Working Paper*.

“How much harsher should regulators punish frequent violators? Evidence from Clean Water Act enforcement,” w/ M. B. Ward. *Working Paper*.

“The Public Resource Management Game,” w/ J. LaFrance and M. Watts. *Working Paper*.

“The Accuracy of Self-Reported Pollution Data,” w/ L. Chakraborti. *Work in Progress*.

“ESG Metrics: Linking Environmental Metrics and Financial Performance?” *White Paper*.

PUBLISHED CHAPTERS, POLICY COMMENTARIES, & OUTREACH

“Monitoring, Enforcement and the Choice of Environmental Policy Instruments,” w/M. Cohen. Forthcoming, Policy Instruments in Environmental Law, Edward Elgar (Ken Richards and Josephine van Zeben, eds. Edward Elgar, forthcoming 2017).

"Quantitatively measuring deterrence: empirical tools for assessing the impact of environmental monitoring and enforcement actions." *Compliance and Enforcement of Environmental Law* (LeRoy C. Paddock, David L. Markell, and Nicholas S. Bryner, eds). Edward Elgar. May 2017. 288pp.

“Quantitatively measuring deterrence: empirical tools for assessing the impact of environmental monitoring and enforcement actions.” in Environmental Compliance and Enforcement, Encyclopedia of Environmental Law: D Markell, L Paddock, N. Bryner, editors. Edward Elgar Publishing. (Forthcoming).

“Information Disclosure,” in Environmental and Natural Resource Economics: An Encyclopedia. J Whitehead and T Haab, editors. Greenwood Publishers. ABC-CLIO. (March 2014).

- “Information Programs.” in Encyclopedia of Energy, Natural Resource, and Environmental Economics. J Shogren, editor. Elsevier. 3 (April 2013): 169-173.
- “Do investors care about green ratings,” w/ T. Lyon. Alliance for Research on Corporate Sustainability (Oct 25, 2014). Online: http://corporate-sustainability.org/do_investors_care_about_green_ratings/
- “Environmental Monitoring and Enforcement in the United States: Empirical Evidence from the Economics Literature,” with W. Gray. *Int’l Network for Enviro. Compliance and Enforcement* (2011). Online: http://www.inece.org/conference/9/papers/GrayShimshack_US_FINAL.pdf
- “Compliance and Deterrence in Environmental and Natural Resource Contexts,” *Remarks before the NOAA National Enforcement Summit* (August 3, 2010). Online: <http://noaaenforcementsummit2010.ecr.gov/pdf/JayShimshackRemarks.pdf> .
- “Improving Clean Water Act Enforcement,” *Resources for the Future (RFF) Weekly Policy Commentary* (Jan. 8, 2010). Online: <http://www.rff.org/Publications/WPC/Pages/Improving-Clean-Water-Act-Enforcement.aspx> .
- “Mercury Advisories for Commercial Fish,” *RFF Weekly Policy Commentary* (May 5, 2008). Online: http://www.rff.org/Publications/WPC/Pages/08_05_05_Mercury_Fish_Shimshack.aspx . Reprinted in *Issues of the Day: 100 Commentaries on Climate, Energy, the Environment, Transportation, and Public Health Policy*, eds. Parry and Day. Resources for the Future, Washington, DC, USA. Ch. 91, pgs. 192-193. 2010.
- “Price, Promotion, and Differentiation Effects of the Private-Label Invasion,” with Michael B. Ward, Jeffrey M. Perloff, and J. Michael Harris. *Ag. and Res. Economics Update*. (5:6) July/Aug 2002.

BOOK REVIEWS

- “Review of Full Disclosure: The Perils and Promise of Transparency by Fung et al.,” *Political Science Quarterly* 122(4) (Winter 2008): 705-706.

CONGRESSIONAL TESTIMONY & PUBLISHED GOVERNMENT REPORTS

- “The Performance of Clean Water Act Monitoring and Enforcement,” *Testimony before the U.S. House of Representatives Committee on Transportation and Infrastructure*. Oct. 15, 2009.
- “Pilot Comparative Analysis of Monitoring and Enforcement Impact Measures” *State-of-Science White Paper Prepared for the Environmental Protection Agency’s Office of Enforcement and Compliance Assurance*. 40pp. June 2009.
- “Monitoring, Enforcement, and Environmental Compliance: A User’s Guide,” with Wayne Gray. *State-of-Science White Paper Prepared for the Environmental Protection Agency’s Office of Enforcement and Compliance Assurance*. 39pp. Public version: 18pp. January 2009.
- “Monitoring, Enforcement, and Environmental Compliance: A Multiple Sector Analysis,” *State-of-Science White Paper Prepared for the Environmental Protection Agency’s Office of Enforcement and Compliance Assurance*. 60pp. September 2008.
- “Monitoring, Enforcement, and Environmental Compliance: Metrics and Model Calibration,” *State-of-Science White Paper Prepared for the Environmental Protection Agency’s Office of Enforcement and Compliance Assurance*. 24pp. July 2008.
- “Monitoring, Enforcement, and Environmental Compliance: Understanding Specific and General Deterrence,” *State-of-Science White Paper Prepared for the EPA’s Office of Research and Development and Office of Enforcement and Compliance Assurance*. 47 pp. Oct. 2007.

HONORS, AWARDS, & KEYNOTES

Keynote Address, Latin American Environmental and Energy Economics workshop. September 25-26, 2015. Aguascalientes, Mexico.

Batten Excellence in Teaching Award, Frank Batten School of Leadership and Public Policy, UVA. Awarded to one member of the school for outstanding contributions to teaching. Awarded 2015.

Lawrence Schloss Economics Prize, Tulane University. Awarded to one member of the university community for outstanding contributions to economics (research). Awarded 2010.

Best Economics Paper, American Agricultural Economics Association, Food Safety and Nutrition. "Mercury Advisories: Information, Education, & Fish Consumption." Awarded 2008.

Undergraduate Initiative in Teaching (UNITE) Award, Tufts University. Awarded to one full-time junior faculty member in the College of A&S for superior teaching and advising. Awarded 2007.

Best Accepted Papers Honor, Academy of Management. "Mandatory Information Disclosure and Environmental Performance in the Electricity Industry." Awarded 2007.

Junior Faculty Research Fellowship, Mellon Foundation and Tufts University. "Public Policy, Economic Incentives, and the Environment." Awarded Spring 2005.

National Merit Scholar, Cornell University. Awarded 1991-1995.

INTERNATIONAL SHORT COURSES

Uruguay National Agency for Research and Innovation, Linkages to Distinguished International Researchers Program, Hosted by the University of Montevideo, "The economics of environmental monitoring and enforcement: Results, methodological challenges, and policy lessons." October 17-19, 2016. Montevideo, Uruguay.

Shanghai Jiao Tong, Antai College of Economics and Management, Graduate Summer Forum in Economics, "Frontiers in Environmental Economics and Policy," July 3-4, 2014. Shanghai, China.

SELECTED MEDIA CITATIONS

The Atlantic, AOL News, Boston Globe, Futurity, Huffington Post, Le Monde, NPR, New York Times (Economix), Newsweek, Seattle Times, UVA Today, Washington Post

ENGAGEMENT: EVENT HOSTING

Co-Organizer, *Innovative Approaches to Foster Environmental Compliance* January 2017

This workshop brought together environmental regulators from federal, regional, and state agencies and a select group of academic scholars from a variety of disciplines for a constructive dialogue about how research can inform the pursuit of innovative approaches to foster environmental compliance. The topics discussed are at the center of several of US Environmental Protection Agency's "Next Generation Environmental Compliance" (Next Gen) initiative. This free invitation-only workshop was organized and hosted by Katharine Abraham (UMD), Jay Shimshack (UVA), and Michael Toffel (Harvard Business School), in consultation with the US EPA Office of Enforcement and Compliance Assurance (OECA) and other EPA offices. Participants included scholars from Penn, NYU, Harvard, UC Irvine, and others, and practitioners included EPA Assistant Administrator, commissioners of several state EPAs, and others.

Co-Organizer, Darden-Batten-BIS *Sustainability Officer Roundtable*

November 2016

This sustainable business roundtable brought together corporate sustainability officers from large multi-national firms and a small group of academics and policy practitioners for a facilitated dialogue. Key themes included (1) What can companies do to become leaders in sustainability innovation? (2) What should government policy makers do to encourage and incentivize sustainable business in the US? Corporate participants included executives from Intel, GE, Walmart, United Technologies, Campbell Soup, Lockheed Martin, Chemours, Lennox International, and others.

Co-Organizer, *Reflections on Responsible Regulation*

March 2013

This conference brought together law, economic, and business scholars to address the complexities of 'responsible regulation.' Goals were to facilitate: (1) insights relevant to regulation in general, regardless of area; (2) a scholarly dialogue about regulation transcending disciplinary boundaries. Participants included scholars from Cornell, Duke, Harvard, Michigan, Penn, and others.

ENGAGEMENT: SELECTED PANELS AND PRESENTATIONS

Harvard Law School. Animal Welfare Act at 50 conference. Panel Moderator. "Animal Welfare Act Enforcement." December 2, 2016. Cambridge, MA.

US EPA and OHIO EPA "Does Mandatory Labeling of Outfall Points influence Pollution and Compliance? Evidence from Ohio," January 14, 2016. EPA Sponsored Webinar.

US EPA, "The Accuracy of Self-Reported Pollution Data: Evidence from the Clean Water Act," October 29, 2015. Washington, DC.

US EPA, "Does Mandatory Labeling of Outfall Points influence Pollution and Compliance?" October 28, 2015. Washington, DC.

Harvard Business School and Univ of Maryland, Research on Effective Government: Inspection and Compliance Workshop, "Effective Enforcement." June 1, 2015. Washington, DC.

US FDA, Risk Communication Advisory Committee, "Risk Communication for Fish Consumption," November 3, 2014. Washington, DC.

USDA Economic Research Service, AAEA, Economic Analysis and Food Safety: The Food Safety Modernization Act, "Monitoring and Enforcement: Lessons from Environmental, Health, Safety, and Tax Compliance." Aug. 7, 2013. Washington, DC.

Murphy Institute, Reflections on Responsible Regulation Conference, "Reflections on Responsible Regulation." March 1, 2013. New Orleans, LA.

University of Heidelberg, German Federal Ministry of Education and Research, Inforum Workshop on Regulation by Environmental Information, "Environmental Information Disclosure," February 8-9, 2013. Heidelberg, Germany.

US EPA, GW Law, Berkeley Law, Berkeley Goldman School, Environmental Law Institute, Next Generation Environmental Compliance Workshop, "The Accuracy of Self-Reported Pollution Data," December 11-12, 2012. Washington, DC.

US EPA and Resources for the Future, Greenhouse Gas Reporting Program Workshop, Working Group Participant. October 12, 2012. Washington, DC.

US EPA, National Center for Environmental Research, Information Disclosure Workshop, "Economic

- Perspectives on Environmental Information Disclosure,” January 18, 2011. Washington, DC.
- NOAA, National Enforcement Summit, “Compliance and Deterrence in Environmental and Natural Resource Contexts,” August 3, 2010. Washington, DC.
- US House of Representatives, Committee on Transportation and Infrastructure.* “The Performance of Clean Water Act Monitoring and Enforcement,” Oct. 15, 2009. Washington, DC.
- The National Press Club,* “Corporate Transparency and Accountability: The Role of Information Disclosure,” Feb 6, 2009. Washington, DC.
- US EPA, Office of Enforcement and Compliance Assurance,* “Monitoring, Enforcement, and Environ. Compliance: Metrics and Model Calibration,” October 23-24, 2008. Washington, DC.
- Australian Agricultural and Resource Economics Society,* “School Buses, Diesel Emissions, and Respiratory Health.” June 19, 2008. Canberra, ACT, Australia.
- National Environmental Partnership Summit,* “Practical Measures and Models: Environmental Behavior and Results,” May 21, 2008. Baltimore, MD.
- US EPA, Office of Enforcement and Compliance Assurance,* “Monitoring, Enforcement, & Environmental Compliance: the State of Science,” Dec 18-19, 2007. Washington, DC.
- Harvard Mossavar-Rahmani Center for Business & Government.* “Information Provision in the Electric Utility Industry,” October 19, 2006. Cambridge, MA.
- Yale School of Forestry Center for Business & Environment.* “Information Provision in Environmental Policy: An Economist’s Perspective” Sept. 27, 2006. New Haven, CT.
- American Agricultural Economics Association Symposium.* “What Do We Know About Seafood Advisories?” July 25, 2005. Providence, RI.
- National Academies of Science – Institute of Medicine (IOM),* “The Economics of Seafood Advisories” April 11, 2005. Washington, DC.

RESEARCH CONFERENCE PRESENTATIONS (not including co-author presentations)

- Association of Environmental and Resource Economists: Sessions at the American Economic Association (AEA) Annual Meetings. Research Presentations.* January 8, 2017. Chicago, IL.
- Association of Environmental and Resource Economists: Sessions at the Southern Economic Association (SEA) Annual Meetings.* Research Presentation. Nov 19-21, 2016. Washington, DC.
- Association for Public Policy Analysis and Management Fall Research Conference.* Research presentation. November 3-5, 2016. Washington, DC.
- Canadian Resource and Environmental Economics Annual Conference.* Research Presentation. October 1-2, 2016. Banff, Alberta, Canada.
- European Association of Environmental and Resource Economists Annual Meeting.* Research Presentation. June 22-25, 2016. Zurich, Switzerland.
- Association of Environmental and Resource Economists Annual Meeting.* Research Presentation. June 9-11, 2016. Breckenridge, Colorado.

Southern Economic Association Annual Meetings. Research Presentation. November 21-23, 2015. New Orleans, LA.

Association for Public Policy Analysis and Management Fall Research Conference. Research presentation. November 12-14, 2015. Miami, FL.

University of Virginia Datapalooza. Research Presentation. September 18, 2015. Charlottesville, VA.

Association of Environmental and Resource Economists Annual Meeting. Research Presentation. June 4-5, 2015. San Diego, California.

University of Virginia Resilience Forum. Research Presentation. May 7, 2015. Charlottesville, VA.

Association of Environmental and Resource Economists: Sessions at the American Economic Association (AEA) Annual Meetings. Research Presentations. January 3-5, 2015. Boston, MA.

Heartland Environmental and Resource Economics Workshop. Research Presentation, Nov 2-3, 2013. Urbana-Campaign, IL.

Association of Environmental and Resource Economists Annual Meeting. Research Presentation. June 6-8, 2013. Banff, Canada.

National Bureau of Economic Research (NBER) Program on Environmental and Energy Economics, Spring Meeting. Research Presentation. March 28-29, 2013. Cambridge, MA.

Law and Economics Sessions at the Southern Economic Association Annual Meetings. Research Presentation. November 16, 2012. New Orleans, LA.

Association of Environmental and Resource Economists Annual Meeting. Research Presentation. June 3-5, 2012. Asheville, NC.

Association of Environmental and Resource Economists: Sessions at the American Economic Association (AEA) Annual Meetings. Research Presentation. January 5-8, 2012. Chicago, IL.

Association of Environmental and Resource Economists Annual Meeting. Research Presentation. June 9-10, 2011. Seattle, WA.

Informing Green Markets Conference. Research Presentation. Ross School of Business. June 2-4, 2011. Ann Arbor, MI.

International Workshop on the Law and Economics of Environmental Sanctioning. Research Presentation. September 21-22, 2010. Leuven, Belgium.

4th World Congress of Environmental and Resource Economists. Research Presentation. June 28-July 2, 2010. Montreal, Canada.

Alliance for Research on Corporate Sustainability: Workshop on Corporate Sustainability Data. Workshop Participant. January 7, 2010. Washington, DC.

Association of Environmental and Resource Economists: Sessions at the American Economic Association (AEA) Annual Meetings. Research Presentation. January 3-5, 2010. Atlanta, GA.

Heartland Environmental and Resource Economics Workshop. Research Presentation. Oct 25-26, 2009. Urbana-Campaign, IL.

Association of Environmental and Resource Economists: Sessions at the American Agricultural Economics Assoc. Annual Meetings. Research Presentation. July 25-28, 2009. Milwaukee, WI.

American Marketing Association: Marketing and Public Policy Conference. Research Presentation. May 28-30, 2009. Washington, DC.

Society for Risk Analysis: Annual Meeting. Research Presentation. December 7-10, 2008. Boston, MA.

University of Colorado Environmental and Resource Economics Workshop. Research Presentation. September 19-20, 2008. Vail, Colorado.

Association of Environmental and Resource Economists: Workshop on Health and the Environment. Research Presentation. June 21-23, 2008. Berkeley, CA.

Association of Environmental and Resource Economists: Sessions at the American Economic Association (AEA) Annual Meetings. Research Presentation. January 3-6, 2008. New Orleans, LA.

University of Colorado Environmental and Resource Economics Workshop. Research Presentation. September 21-22, 2007. Vail, Colorado.

National Bureau of Economic Research (NBER): Environmental Economics Summer Institute. Research Sketch. July 23-24, 2007. Cambridge, MA.

Association of Environmental and Resource Economists: Sessions at the American Economic Association (AEA) Annual Meetings. Research Presentation. January 5-7, 2007. Chicago, IL.

California Workshop on Environmental Economics. Research Presentation. November 3-4, 2006. Bren School of Environmental Science and Management. UC Santa Barbara. Santa Barbara, CA.

Association of Environmental and Resource Economists: Sessions at the Amer. Agricultural Econ. Assoc. Annual Meetings. Research Presentation. July 23-26, 2006. Long Beach, CA.

3rd World Congress of Environmental and Resource Economists. Research Presentation. July 3-7, 2006. Kyoto, Japan .

California Workshop on Environmental Economics. October 28-29, 2005. Research Presentation. Bren School of Environmental Science and Management. UC Santa Barbara. Santa Barbara, CA.

Association of Environmental and Resource Economists: Sessions at the American Agric. Econ. Assoc. Annual Meetings. Research Presentation. July 24-26, 2005. Providence, RI.

Western Economics Association Meetings. Research Presentation. July 5-8, 2005. San Francisco, CA.

National Bureau of Economic Research (NBER): Environmental Economics Group Meeting. Research Presentation. April 8-9, 2005. Cambridge, MA.

Association of Environmental and Resource Economists: Sessions at the Southern Economics Association Meetings. Research Presentation. Nov 21-23, 2004. New Orleans, LA.

National Bureau of Economic Research (NBER): Environmental Economics Summer Institute. Research Sketch. August 1-2, 2004. Cambridge, MA.

Northeast Agricultural & Resource Economics Association Conference. Research Presentation. June 20-23, 2004. Halifax, Nova Scotia.

California Workshop on Environmental Economics. Research Presentation. October 17-18, 2003. Bren School of Environmental Science and Management. UC Santa Barbara.

National Bureau of Economic Research (NBER): Environmental Economics Summer Institute. Research Sketch. July 28-29, 2003. Cambridge, MA.

2nd World Congress of Environmental and Resource Economists. Research Presentation. June 24-27, 2002. Monterey, CA.

California Workshop on Environmental Economics. Research Presentation. October 26 - 27, 2001. Bren School of Environmental Science and Management. UC Santa Barbara.

SELECTED RESEARCH SEMINARS (many multiple visits)

CIDE Mexico City, Columbia University, Duke University / NC State University / RTI, Georgia State University, Harvard University, Johns Hopkins University, Louisiana State University, Mississippi State University, Rand Corporation, Occidental College, Oregon State University, Resources for the Future, Tulane University, Tufts University, U of British Columbia, U Calgary, UC Berkeley, UC Davis, UC Energy Institute, UC San Diego, UC Santa Barbara, U of Chicago, U of Connecticut, U of Guelph, U of Maryland, U of Massachusetts, U of Michigan, U of Minnesota, U of Montevideo, U of North Dakota, U of Virginia, U of Washington, U Western Ontario, USDA Economics Research Service, USEPA National Center for Environmental Economics, USFTC Bureau of Economics, Vanderbilt University, Virginia Tech, Virginia Commonwealth University, Washington State University, Wellesley College, Williams College, Yale University

GRANTS & CONTRACTS

Bankard Fund for Political Economy. “Does mandatory labeling of outfall points influence pollution and compliance?” PI. 2017-2018.

Department of Agriculture (USDA), Food Safety and Inspection Service, “Quantitatively Evaluating FSIS monitoring and enforcement tools.” 2016-2018.

UBS Asset Management (Americas), Inc. Environmental, Social, Governance Research. 2016.

Environmental Protection Agency (USEPA), Office of Enforcement and Compliance Assurance, “Memorandum of Understanding on Next Generation Compliance Research.” PI, 2015-2017.

Bankard Fund for Political Economy. “The Effectiveness of Pollution Self-Reporting as Regulatory Policy: Evidence from the Clean Water Act.” PI. 2015.

Murphy Institute Seed Grant. “Enforcement and Environmental Compliance,” PI. 2010.

Tulane University COR Summer Research Award, “Recidivism, Enforcement, and Environmental Compliance,” PI. 2009.

Tulane Public Service Planning Grant, “Economics Public Service Planning,” Co-PI. 2009.

Environmental Protection Agency (USEPA), Office of Research and Development, “Pilot Comparative Analysis of Monitoring and Enforcement Impact Measures,” PI. 2008-2009.

Environmental Protection Agency (USEPA), Office of Research, “Measurement of General and Specific Deterrent Impacts of Compliance Monitoring and Enforcement,” PI. 2008.

Environmental Protection Agency (USEPA), Office of Research and Development, “Compliance and Deterrence Research,” PI. 2007.

Tufts University Summer Faculty Research Award, “Mandatory Information Disclosure in the Electric Utility Industry,” PI. 2007.

Tufts University Faculty Research Award, “The Economics of Seafood Advisories,” PI. 2005.

National Institutes of Health (NIH): Graduate Training Grant. “Water and Health Training,” Participant (Paul Kirshen and Beatrice Rogers, co-PIs), PARTICIPANT. 2004.

National Institutes of Health (NIH): Health, Environment and Economic Development. “The Quito Integrated Environment and Policy (QUIEP) Study”, Investigator (Jeffrey Griffiths, PI), PARTICIPANT. 2003.

Tufts University Faculty Research Award, “Economics of Domestic Water Quality,” PI 2003.

SELECTED PROFESSIONAL SERVICE

Ad hoc Manuscript Reviewer: *Agricultural and Resource Econ Review (ARER)*, *American Economic Journal: Policy (AEJ-P)*, *American Econ Review (AER)*, *American Journal of Agricultural Econ (AJAE)*, *B.E. Journals in Econ Analysis and Policy (BEJEAP)*, *Business and Society (BAS)*, *Canadian Journal of Agricultural Econ (CJAE)*, *Contemporary Econ Policy (COEP)*, *Ecological Econ (ECOLEC)*, *Economic Inquiry (ECIN)*, *Energy Policy (JEPO)*, *Environment and Resource Economics (ERE)*, *Environmental Management, Environmental Sciences, International Review of Law and Econ (IRLE)*, *Journal of the Association of Env & Res Econ (JAERE)*, *Journal of Econ Behavior and Organization (JEBO)*, *Journal of Econ and Management Strategy (JEMS)*, *Journal of Empirical Legal Studies (JELS)*, *Journal of Environmental Econ and Management (JEEM)*, *Journal of Environmental Management (JEM)*, *Journal of Health Economics (JHE)*, *Journal of Law and Econ (JLE)*, *Journal of Law Econ and Org (JELO)*, *Journal of Legal Studies (JLS)*, *Journal of Management Studies (JMS)*, *Journal of Policy Analysis and Management (JPAM)*, *Journal of Political Econ (JPE)*, *Journal of Public Econ (JPUBE)*, *Journal of Wine Econ, Land Econ, Regional Studies (CRES)*, *Regulation and Governance, Resource & Energy Econ (REE)*, *Review of Environmental Econ and Policy (REEP)*, *SCIENCE*, *Southern Economic Journal (SEJ)*, American Agricultural Economics Association (AAEA), American Marketing Association (AMA), Association of Environmental and Resource Economists (AERE), European Association of Environmental and Resource Economists (EAERE), McGraw-Hill, W.W. Norton & Company.

Ad hoc Proposal Reviewer: MA Fisheries Recovery Commission, National Oceanic and Atmospheric Administration (NOAA), National Science Foundation (NSF), Sea Grant, Sloan Foundation, USEPA National Center for Environmental Economics (NCEE), USEPA National Priorities.

SELECTED UNIVERSITY SERVICE

UVA Batten School, Executive Committee (elected)	2016-17
UVA, Committee on Sustainability, Member	2016-17
UVA Batten School, Promotion and Tenure Committee	2015-16
UVA Batten School, Tenured Joint Appointments Search Committee	2015-16
UVA Batten School, Health Economics Search Committee	2015-16
UVA, Committee on Sustainability, Teaching and Research Subcommittee Member	2015-16
UVA, Member & Subcommittee Chair, President’s Ad Hoc Group on University Climate and Culture, Working Group on Prevention of Sexual Violence	2014-15
UVA Batten School, Chair, Teaching Innovator Personnel Search Committee	2014-15
UVA Batten School, Chair, Core Lecturer Personnel Search Committee	2014-15
UVA Batten School, Chair, Third Year Review Faculty Promotion Committee(s)	2014-15
Tulane Law School and Tulane Murphy Institute, Appointments Committee	2013-14
Tulane Economics, Director of Graduate Studies	2012-14
Tulane Law School, Payson Center Steering Committee	2012-14

Tulane School of Liberal Arts, Environmental Studies Committee	2010-14
Tulane Economics, Awards Committee	2009-13
Tulane University, Task Force for Environmental Research	2011-12
Tulane Economics, Search Committee	2010-11
Tulane School of Liberal Arts, Strategic Planning Committee	2008-09
Tulane Economics, Public Service Planning Committee	2008-09
Tulane Economics, Seminar Coordinator	2008-09
Tufts Interdisciplinary Water (WSSS) Graduate Program, Steering Committee	2006-08
Tufts Environmental Studies, Executive Committee	2005-08
Tufts Economics, Search Committee	2003-04
Tufts Economics, Seminar Coordinator	2002-03

TEACHING PUBLICATIONS

“The Economics of Corporate Social Responsibility.” w/ P. Debaere. Technical Business Case Note. Darden Business Publishing. Ref No. UVA-GEM-0143. (10 August 2016): 7 pages.

COURSES & EVALUATION SUMMARY

- Benefit-Cost Analysis; University of Virginia Frank Batten School. Spring 2016-2017.
Median Overall Instructor Rating: 5.0/5.0; Mean Overall Instructor Rating: 4.9/5.0.
- Economics of Public Policy II; University of Virginia Frank Batten School. 6 sections 2015-17.
Median Overall Instructor Rating: 5.0/5.0; Mean Overall Instructor Rating: 4.7/5.0.
- PhD Research Methods; Tulane University; Spring 2014.
Median Overall Instructor Rating: 5.0/5.0; Mean Overall Instructor Rating: 4.8/5.0
- Environmental and Natural Resource Economics; Tulane University; 8 semesters 2010-14.
Median Overall Instructor Rating: 5.0/5.0; Mean Overall Instructor Rating: 4.9/5.0
- Public Service Learning; Tulane University; Problem-Based Service Learning for Environmental Economics. Fall 2010; Spring 2011; Fall 2011; Spring 2012; Fall 2012; Spring 2013.
- Introduction to Microeconomics; Tulane University; Fall 2011 (2 sections).
Median Overall Instructor Rating: 5.0/5.0; Mean Overall Instructor Rating: 4.7/5.0
- The (Law and) Economics of Compliance and Enforcement; Tulane University; Spring 2011.
Median Overall Instructor Rating: 5.0/5.0; Mean Overall Instructor Rating: 4.7/5.0
- Topics in Environmental Economics; Tulane University; 3 semesters 2009 – 2013.
Median Overall Instructor Rating: 5.0/5.0; Mean Overall Instructor Rating: 4.9/5.0
- The Environment and Public Policy; Tulane University; Fall 2008.
Median Overall Instructor Rating: 5.0/5.0; Mean Overall Instructor Rating: 5.0/5.0
- Economic Statistics; Tulane University; Fall 2008.
Median Overall Instructor Rating: 5.0/5.0; Mean Overall Instructor Rating: 4.6/5.0
- Environmental Economics and Policy; Tufts University; 10 semesters 2002-2008.
Median Overall Instructor Rating: 5.0/5.0; Mean Overall Instructor Rating: 4.7/5.0
- Topics in Environmental Economics; Tufts University; 5 semesters 2003-2008.
Median Overall Instructor Rating: 5.0/5.0; Mean Overall Instructor Rating: 4.9/5.0

- Statistics; Tufts University; 4 semesters 2003-2008.
Median Overall Instructor Rating: 5.0/5.0; Mean Overall Instructor Rating: 4.6/5.0
- Graduate Econometrics; UC Berkeley Graduate Student Grader. Spring 2002.