

## DIETRICH HARLAN EARNHART

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Citizenship: USA

### EDUCATION:

Ph.D., University of Wisconsin - Madison, 1995

Dissertation title: **Enforcement of Environmental Protection Laws in Centrally Planned and Transitional Economies**

Major Professor: Martin H. David

Reading Committee: James Andreoni, Daniel W. Bromley

M.S., University of Wisconsin - Madison, 1991

B.A., Yale University, 1987: Summa cum laude, Phi Beta Kappa (1986), Distinction in Major

### MAJOR FIELDS OF INTEREST:

Environmental Economics, Law and Economics, Comparative Economics

Additional Teaching Fields: Resource Economics, Environmental Policy Analysis

### CURRENT POSITION:

Full Professor, University of Kansas

(Assistant Professor, 1997-2002; Associate Professor, 2002-2009)

- Teaching Responsibilities:

Environmental Economics, Principles of Microeconomics and Macroeconomics,  
Resource Economics, Comparative Economics, Law and Economics

- Student Advising and Honors Research Guidance

- Appointment in Interdisciplinary Programs:

Environmental Studies; Russian, East European, and Eurasian Studies;  
Latin American Studies; Global and International Studies

Director, Center for Environmental Policy, Institute for Policy and Social Research,  
University of Kansas, 2002 - present

### ADDITIONAL RESEARCH POSITIONS:

Research Associate, Center for Economic Research and Graduate Education – Economics  
Institute (CERGE-EI), Charles University – Czech Academy of Sciences, Prague, Czech  
Republic, July 2012 - present.

Research Affiliate, Centre for Economic Policy Research, 1999 – 2003

Visiting Scholar, University of Heidelberg (Ruprecht-Karls-Universität Heidelberg), September 2012 - December 2012

Research Fellow, William Davidson Institute (at University of Michigan), 1999 – 2005

Visiting Scholar, Center for Economic Research and Graduate Education (CERGE), Charles University, Prague, Czech Republic, May 1999, May 2000, May 2006, May 2010

#### **ADDITIONAL TEACHING APPOINTMENTS:**

Visiting Scholar, Prague School of Economics, November 1998

Assistant Professor, Fairfield University, Fall 1995 - Spring 1997

Lecturer, Intermediate Macroeconomics at the University of Wisconsin - Madison, Summer 1995

Lecturer, Environmental Economics at the Center for Economic Research and Graduate Education (CERGE), Charles University, Prague, Czech Republic, Spring 1993

Teaching Assistant, Intermediate Microeconomics, Spring 1992

#### **TEACHING AWARDS:**

Byron Shutz Award for Excellence in Teaching,

(a university-wide teaching award of \$ 4,000), awarded March 2006

Center for Teaching Excellence Faculty Fellow, awarded Spring 2001

Excellence in Teaching for the Economics Department, awarded April 1998

#### **RESEARCH AWARDS:**

National Science Foundation (NSF), “Defining the Opportunities and Challenges for Research and Design Strategies to Support Innovations at the Nexus of Food, Energy, and Water Systems (INFEWS),” awarded \$ 38,601; Co-Principal Investigator, with Steve Padgett as Principal Investigator; October 2015.

National Science Foundation (NSF), “Cultivation of Algae from Wastewater,” awarded \$164,298; Co-Principal Investigator, with Belinda Sturm as Principal Investigator; October 2014.

National Science Foundation (NSF), “Phase VI: Climate Change and Energy: Basic Science, Impacts, and Mitigation,” awarded \$ 20,000,000; “Impacts” Team Leader; August 2009

Environmental Protection Agency (EPA), STAR Grant, “Shaping Corporate Environmental Behavior and Performance: The Impact of Enforcement and Non-Enforcement Tools,” awarded \$ 341,234, serve as Principal Investigator, with co-principal investigators Donald Haider-Markel, Robert Glicksman, Tatsui Ebihara; December 2000

National Research Council, Collaboration in Basic Science and Engineering (COBASE) grant, “Effects of Ownership on Environmentally-Related Corporate Performance,” awarded \$ 2,500; November 1999

University of Kansas, College of Liberal Arts and Sciences, Research Travel, awarded \$ 8,000; Spring 2005

Center for Entrepreneurial Activity, University of Kansas, Research Award Award, awarded \$ 2,000; Spring 2005

University of Kansas, Office of International Programs, International Travel Fund Award, awarded \$ 800; Fall 2005

University of Kansas, College of Liberal Arts and Sciences, International Travel Award, awarded \$ 2,200; Fall 2005  
University of Kansas, College of Liberal Arts and Sciences, Social Sciences General Research Fund, awarded \$ 7,000; March 2004  
University of Kansas, College of Liberal Arts and Sciences, Social Sciences General Research Fund, awarded \$ 7,000; March 2002  
University of Kansas, College of Liberal Arts and Sciences, Social Sciences General Research Fund, awarded \$ 7,000; March 2000  
University of Kansas, Research Development Fund, awarded \$ 38,793, with Val Smith, Len Ferrington, Frank deNoyelles, David Graham, Cindy Larive; December 1999  
University of Kansas, Grant Development Fellow, awarded \$ 2,000; June 1998  
University of Kansas, New Faculty General Research Fund, awarded \$ 5,000; June 1998  
University of Kansas, International Research Travel Fund, awarded \$ 1,200; April 1998  
Fairfield University, Spring Research Grant, awarded \$ 965; December 1996  
Fairfield University, Summer Research Stipend, awarded \$ 2,500; March 1996  
Mellon Fellowship, David Granick Memorial Fellowship, 1991-92 and 1992-93  
Title VI Foreign Language and Area Studies Fellowship, 1991-92  
Wisconsin Alumni Research Fund Fellowship, 1989-90

#### **RESEARCH CONTRACTS:**

Kansas Water Office, “Cost-Minimizing Use of Reservoir Water,” awarded \$ 1,650; with Joseph Sicilian; June 2015.

#### **PROFESSIONAL AWARDS:**

Center for Sustainability, Sustainability Leadership Award, awarded April 2015

#### **JOURNAL PUBLICATIONS:**

“Environmental Audits and Signaling: The Role of Firm Organizational Structure,” *Resource and Energy Economics*, v. 44 (May), pg. 1–22, 2016 (with J. Mark Leonard).  
“Extent of Cooperative Enforcement: Effect of the Regulator-Regulated Facility Relationship on Audit Frequency,” *Strategic Behavior and the Environment*, v. 5, n. 2, pg. 111-156, 2015 (with Robert Glicksman).  
“Effects of Environmental Regulation on Actual and Expected Profitability,” *Ecological Economics*, v. 112, pg. 129-140, 2015 (with Dylan Rassier).  
“Coercive vs. Cooperative Enforcement: Effect of Enforcement Approach on Environmental Management,” *International Review of Law and Economics*, v. 42, pg. 135-146, 2015 (with Robert Glicksman).  
“Corporate Environmental Strategies in Developing and Transition Economies,” *Review of Environmental Economics and Policy*, v. 8, n. 2, pg. 164-185, 2014 (with Madhu Khanna and Thomas Lyon).  
“Effect of Audits on the Extent of Compliance with Wastewater Discharge Limits,” *Journal of Environmental Economics and Management*, v. 68, n. 2, pg. 243-261, 2014 (with Donna Ramirez Harrington).

- “Spatial Heterogeneity of Crop Rotation Response to Price with Implications for Nitrogen Losses,” *Journal of Environmental Economics and Management*, v. 68, pg. 507-526, 2014 (with Nathan Hendricks, Sumathy Sinnathamby, Kyle Douglas-Mankin, Aaron Smith, and Daniel Sumner).
- “Ethanol Plant Location and Intensification vs. Extensification of Corn Cropping in Kansas,” *Applied Geography*, v. 53, pg. 141-148, 2014 (with J. Christopher Brown, Eric Hanley, Jason Bergtold, Marcelus Caldas, Vijay Barve, Dana Peterson, Ryan Callihan, Jane Gibson, Benjamin Gray, Nathan Hendricks, Nathaniel Brunsell, Kevin Dobbs, Jude Kastens).
- “Factors Affecting Farmers' Willingness to Grow Alternative Biofuel Feedstocks across Kansas,” *Biomass and Bioenergy*, v. 66 (July), pg. 223–231, 2014 (with Marcellus M. Caldas, Jason S. Bergtold, Jeffrey M. Peterson, Russell W. Graves, Sheng Gong, Brian Lauer, J. Christopher Brown).
- “Economic Linkages to Changing Landscapes,” *Environmental Management*, v. 53, pg. 55-66, 2014 (with Jeffrey Peterson, Marcellus Caldas, Jason Bergtold, Belinda Sturm, Russell Graves, Eric Hanley, and Christopher Brown).
- “Can Punishment Generate Specific Deterrence without Updating? Analysis of a Stated Choice Scenario,” *Environmental and Resource Economics*, v. 56, n. 3, pg. 379-397, 2013 (with Lana Friesen).
- “Determinants of Environmental Audit Frequency: The Role of Firm Organizational Structure,” *Journal of Environmental Management*, v. 128, pg. 497-513, 2013 (with J. Mark Leonard).
- “Effect of Systems to Manage Environmental Aspects on Environmental Performance,” *Sustainability*, v. 5, pg. 2557-2588, 2013.
- “The Influence of Financial Status on the Effectiveness of Environmental Enforcement,” *Journal of Public Economics*, v. 96, pg. 670-684, 2012 (with Kathleen Segerson).
- “Pollution Control in a Transition Economy: Do Firms Face Economies and/or Diseconomies of Scale?” *Transformations in Business & Economics*, v. 10, n. 2 (May), pg. 18-41, 2011 (with Lubomir Lizal).
- “The Effect of Environmental Regulation on Firm Financial Performance: Short-Run versus Long-Run Implications,” *Contemporary Economic Policy*, v. 29, n. 3, pg. 357-373, 2011 (with Dylan Rassier).
- “The Evolution of Economies of Scale Regarding Pollution Control: Cross-Sectional Evidence from a Transition Economy,” *Journal of Management Policy and Practice*, v. 12, n. 2, pg. 62-83, 2011 (with Lubomir Lizal).
- “Effect of Corporate Economic Performance on Firm-Level Environmental Performance in a Transition Economy,” *Environmental and Resource Economics*, v. 46, n. 3, pg. 303-329, 2010 (with Lubomir Lizal).
- “Does the Porter Hypothesis Explain Expected Future Financial Performance? The Effect of Clean Water Regulation on Chemical Manufacturing Firms,” *Environmental and Resource Economics*, v. 45, n. 3, pg. 353-377, 2010 (with Dylan Rassier).
- “The Effect of Clean Water Regulation on Profitability: Testing the Porter Hypothesis,” *Land Economics*, v. 86, n. 2 (May), pg. 329-344, 2010 (with Dylan Rassier).
- “Planting Food or Fuel: Developing an Interdisciplinary Approach to Understanding the Role of Culture in Farmers' Decisions to Grow Second-Generation Biofuel Feedstock Crops,” *Comparative Technology Transfer and Society*, v. 7, n. 3 (December), pg. 287-302, 2010

- (with Stacey White, Jane Gibson, J. Christopher Brown, and Eric Hanley).
- “The Influence of Facility Characteristics and Permit Conditions on the Effects of Environmental Regulatory Deterrence,” *Journal of Regulatory Economics*, v. 36, n. 3, pg. 247-273, 2009.
- “Effectiveness of Government Interventions at Inducing Better Environmental Performance: Does Effectiveness Depend on Facility or Firm Features?”, *Boston College Environmental Affairs Law Review*, v. 35, n. 3, pg. 479-511, 2008 (with Robert Glicksman).
- “Effects of Permitted Effluent Limits on Compliance Levels,” *Ecological Economics*, v. 61, n. 1, pg. 178-193, 2007.
- “Direct and Indirect Effects of Ownership on Firm-Level Environmental Performance,” *Eastern European Economics*, v. 45, n. 4 (July-Aug), pg. 66-87, 2007 (with Lubomir Lizal).
- “Pollution Reductions in the Czech Republic,” *Post-Communist Economies*, v. 20, n. 2 (June), pg. 231-252, 2008 (with Lubomir Lizal).
- “Effect of Pollution Control on Corporate Financial Performance in a Transition Economy,” *European Environment: The Journal of European Environmental Policy*, v. 17, pg. 247-266, 2007 (with Lubomir Lizal).
- “Using Contingent Pricing Analysis to Value Open Space and its Duration at Residential Locations,” *Land Economics*, v. 82, n. 1, pg. 17-35, 2006.
- “Effects of Ownership and Financial Performance on Corporate Environmental Performance,” *Journal of Comparative Economics*, v. 34, n. 1, pg. 111-129, 2006 (with Lubomir Lizal).
- “Pollution, Production, and Sectoral Differences in a Transition Economy,” *Comparative Economic Studies*, v. 48, pg. 662-681, 2006 (with Lubomir Lizal).
- “The Comparative Effectiveness of Government Interventions on Environmental Performance in the Chemical Industry,” *Stanford Environmental Law Journal*, v. 26, n. 2, pg. 317-371, 2007 (with Robert Glicksman).
- “Depiction of the Regulator-Regulated Entity Relationship in the Chemical Industry: Deterrence-Based v. Cooperative Enforcement,” *William & Mary Environmental Law & Policy Review*, v. 31, n. 3 (Spring), pg. 603-660, 2007 (with Robert Glicksman).
- “The Regulator-Regulated Entity Relationship,” in *Proceedings of the 4th IUCN Academy of Environmental Law Colloquium: Toward More Effective Implementation of Environmental Law, Enforcement and Compliance*, Pace University School of Law, White Plains, NY (October, 2006) [with Robert Glicksman].
- “Regulatory Factors Shaping Environmental Performance at Publicly-Owned Treatment Plants,” *Journal of Environmental Economics and Management*, v. 48, n. 1, pg. 655-681, 2004.
- “Panel Data Analysis of Regulatory Factors Shaping Environmental Performance,” *Review of Economics and Statistics*, v. 86, n. 1, pg. 391-401, 2004.
- “Liability for Past Environmental Contamination and Privatization,” *Environmental and Resource Economics*, v. 29, n. 1, pg. 97-122, 2004.
- “The Effects of Community Characteristics on Polluter Compliance Levels,” *Land Economics*, v. 80, n. 3, pg. 408-432, 2004.
- “Time is Money: Improved Valuation of Time and Transportation Costs,” *Environmental and Resource Economics*, v. 29, n. 2, pg. 159-190, 2004.
- “The Countervailing Effects of Atrazine on Water Recreation: How Do Recreators Evaluate Them?” *Water Resources Research*, v. 39, pg. 1081-1092, 2003 (with Val Smith).
- “Do Travel Cost Models Value Transportation Properly?” *Transportation Research Part D: Transport and Environment*, v. 8, pg. 397-414, 2003.

- “Combining Revealed and Stated Data to Examine Housing Decisions using Discrete Choice Analysis,” *Journal of Urban Economics*, v. 51, pg. 143-169, 2002.
- “Combining Revealed and Stated Preference Methods to Value the Presence and Quality of Environmental Amenities,” *Land Economics*, v. 77, n. 1, pg. 12-29, 2001.
- “Environmental Protection Efforts under Communism and Democracy: Public Involvement and Political Influence,” *Comparative Economic Studies*, v. 43, n. 2, pg. 35-58, 2001.
- “Optimal Mix of Penalties in a Principal-Agent Model under Different Institutional Arrangements,” *Review of Economics and Statistics*, v. 82, n. 4, pg. 634-645, 2000.
- “Environmental Crime and Punishment in the Czech Republic: Penalties Against Firms and Employees,” *Journal of Comparative Economics*, v. 28, pg. 379-399, 2000.
- “Environmental ‘Citizen Suits’ in the Czech Republic,” *European Journal of Law and Economics*, v. 10, n. 1, pg. 43-68, 2000.
- “Multiple Penalty Mechanisms in a Principal-Agent Model Under Different Institutional Arrangements,” *Journal of Comparative Economics*, v. 27, pg. 168-189, 1999.
- “Civil Litigation, Access to Government-Held Information, and Coordination of Public and Private Enforcement in the Czech Republic,” *European Journal of Law and Economics*, v. 6, n. 3, pg. 113-141, 1998.
- “Enforcement of Environmental Protection Laws under Communism and Democracy,” *Journal of Law and Economics*, v. 40, n. 2, pg. 377-402, 1997.
- “Optimal Use of Information in Litigation: Should Regulatory Information Be Withheld to Deter Frivolous Suits?” *RAND Journal of Economics*, v. 28, n. 1, pg. 120-134, 1997 (with Yeon-Koo Che).
- “Environmental Penalties against Enterprises and Employees: Labor Contracts and Cost-Shifting in the Czech Republic,” *Comparative Economic Studies*, v. 38, n. 4, pg. 1-34, 1996.

#### **BOOKS:**

- “Pollution Limits and Polluters’ Efforts to Comply: The Role of Government Monitoring and Enforcement,” Stanford University Press: Palo Alto, CA; 2011 (with Robert Glicksman).

#### **BOOK CHAPTERS:**

- “Regulation,” in *Environmental and Resource Economics: An Encyclopedia*, edited by Timothy C. Haab and John C. Whitehead, pg. 276-279, Greenwood: Santa Barbara, CA; 2014.
- “The Relative Efficacy of Coercive and Cooperative Enforcement Approaches to Water Pollution Control,” in *Next Generation Environmental Compliance and Enforcement*, edited by LeRoy C. Paddock and Jessica A. Wentz, pg. 79-120, Environmental Law Institute: Washington, DC; 2014.
- “Water Pollution from Industrial Sources,” in *Encyclopedia of Energy, Natural Resource, and Environmental Economics: Volume 3*, edited by J.F. Shogren, pg. 114-120, Amsterdam: Elsevier, 2013.
- “Combining Contingent Behavior, Contingent Pricing, and Revealed Preference Data to Improve the Valuation of Time in a Recreation Context,” in *Preference Data for Environmental Valuation: Combining Revealed and Stated Approaches*, edited by John Whitehead, Timothy Haab, and Ju-Chin Huang, Routledge: New York; 2011 (with Daniel Phaneuf).

## MANUSCRIPTS WITH REVISE-AND-RESUBMIT INVITATIONS:

- “Effluent Limits and Monitoring: Do Regulators Inspect Polluters Facing Tighter Limits Differently?” (revise-and-resubmit invitation received from *Journal of Environmental Economics and Management*)
- “Effective Regulatory Stringency’ and Firms’ Profitability: The Effects of Effluent Limits and Government Monitoring” (2<sup>nd</sup> revise-and-resubmit invitation received from *Journal of Regulatory Economics*) [with Dylan Rassier]

## MANUSCRIPTS UNDER INITIAL REVIEW:

- “Land Use Choices: Conservation Reserve Program (CRP) Re-Enrollment in Kansas,” (submitted to *Journal of Land Use Science* [with Marcellus Caldas, Jeffrey Peterson, Jason Bergtold])
- “Certainty of Punishment versus Severity of Punishment: Deterrence and the Crowding Out of Intrinsic Motivation” (submitted to *Journal of the Association of Environmental and Resource Economists*) [with Lana Friesen]
- “Effect of Cooperative Enforcement Strategies on Wastewater Management: Innovation or Regulatory Capture?” (submitted to *Economic Inquiry*) [with Zach Raff]
- “Environmental Management Responses to Punishment: Specific Deterrence and Certainty versus Severity of Punishment” (submitted to *Strategic Behavior and the Environment*) [with Lana Friesen]
- “Effluent Limits, Ambient Quality, and Monitoring” (submitted to *International Review of Law and Economics* [with Sandra Rousseau and Carmen Arguedas])
- “The Effect of Enforcement Fairness on Environmental Performance” (submitted to *Ecological Economics*) [with Robert Glicksman and Donna Ramirez Harrington]
- “Environmental Policy through Criminal Sanctioning in the European Union” (submitted to *European Journal of Law and Economics*) [with Sandra Rousseau and Carole Billiet]
- “The Effect of Enforcement on Environmental Management: Environmental Labor and the Clean Water Act” (submitted to *Land Economics*) [with Zach Raff]
- “The Influence of Financial Status on Regulated Companies’ Environmental Performance: The Role of Enforcement” (submitted to *Journal of Economic Behavior and Organization*) [with Kathleen Segerson]
- “Corporate Environmental Strategies in the Transition Economies of Central and Eastern Europe” (submitted to *Eastern European Economics*)

## RESEARCH WORKING PAPERS:

- “The Effect of Enforcement Sanctions on Facility-Level Water Pollution: Does the Type of Sanction Matter?”
- “The Role of Regulated Facilities’ Perceptions of the Effectiveness of Regulatory Monitoring and Enforcement: Compliance with the Clean Water Act” (with Lana Friesen)
- “Certainty of Punishment versus Severity of Punishment: State vs. Federal Enforcement of the Clean Water Act” (with Lana Friesen)
- “Farmers’ Responses to Anticipated Climate Change: Water Use and Other Adaptations” (with Chris Crandall, Laura van Berkel, and Jason Bergtold)
- “Effect of Minimum Desirable Streamflow Restrictions on Irrigation-based Water Use” (with Belinda Sturm and Blaine Bengtson)
- “The Influence of Environmental Management on Compliance with Effluent Limits” (with Julia Brandes)
- “Effect of Environmental Enforcement on Production-based Labor vs Environmental Labor” (with Zach Raff)
- “Control of Harmful Activities: Standards, Limits, Local Conditions, and Monitoring” (with Sandra Rousseau and Carmen Arguedas)
- “Effect of Effluent Limits on Wastewater Discharges”
- “Inducing Compliance with Environmental Protection Laws: The Role of Regulatory Tournaments and Federal Inspections” (with Lana Friesen)
- “The Value of Hiring a Lawyer” (with Sandra Rousseau)
- “Using Choice-Based Conjoint Analysis to Value Open Space and its Duration at Residential Locations”
- “Does Better Environmental Performance Affect Revenues, Costs, or Both? Evidence from a Transition Economy” (with Lubomir Lizal)
- “Using Stated Preference Methods to Value Open Space”
- “The Effect of Community Pressure on Polluter Compliance Levels: Is Community Pressure Sufficient for Ensuring Compliance?”
- “The Effects of Orthogonal and Countervailing Variation in Multiple Dimensions of Water Quality on Recreation Demand”
- “Regulatory Tournaments and State Environmental Agency Inspections” (with Lana Friesen)
- “Comparing and Combining Revealed and Stated Preference Methods to Value Open Space”
- “Direct and Indirect Effects of Peers’ Environmental Performance on Regulated Facility’s Compliance with Clean Water Act Limits” (with Lana Friesen)

## CONFERENCE PRESENTATIONS:

- “Certainty of Punishment versus Severity of Punishment: State vs. Federal Enforcement of the Clean Water Act,” presented at the Monash University Environmental and Resource Economics Workshop, Melbourne, Australia; November 13, 2015.
- “Corporate Sustainability in the Food Sector,” presented at the KU Red Hot Research seminar in Lawrence, KS; October 23, 2015.
- “Who Responds More to Environmental Enforcement – Privately Owned Facilities or Government-Owned Facilities?” presented at the Heartland Workshop of Environmental

- and Resource Economics, Champaign, Illinois; October 18, 2015.
- “Certainty of Punishment versus Severity of Punishment: Deterrence and the Crowding Out of Intrinsic Motivation,” presented at the Alliance for Research on Corporate Sustainability (ARCS) Conference in Chicago, IL; May 14, 2015.
- “Social Impact of Water Scarcity,” presented at Washburn University – Mulvane Art Museum’s “Drift and Drag: Reflections on Water” symposium in Topeka, KS; February 20, 2015.
- “The Effect of Water Rights on Irrigation based Water Use in Kansas,” presented at the Governor's Conference on the Future of Water in Kansas, Manhattan, KS; November 13, 2014.
- “Do Water Rights Help to Control the Depletion of the High Plains Aquifer?” presented at the Heartland Workshop of Environmental and Resource Economics, Champaign, IL; November 2, 2014.
- “The Role of Water Rights at Conserving the High Plains Aquifer,” presented at the *Kansas Water: Research and Communication — From Data to News* workshop, University of Kansas, Lawrence, KS; September 26, 2014.
- “Effects of Minimum Desirable Streamflow Restrictions on Water Use,” presented at the *Kansas Water: Research and Communication — From Data to News* workshop, University of Kansas, Lawrence, KS; September 26, 2014.
- “Certainty of Punishment versus Severity of Punishment: Deterrence and the Crowding Out of Intrinsic Motivation,” presented at the University of Colorado Workshop on Environmental and Resource Economics in Vail, CO; September 13, 2014.
- “Coercive vs. Cooperative Enforcement: Effect of Enforcement Approach on Environmental Performance,” presented at the World Congress of Environmental and Resource Economists in Istanbul, Turkey; July 1, 2014.
- “Corporate Environmental Strategies in Transition Economies,” presented at the Alliance for Research on Corporate Sustainability (ARCS) Conference in Ithaca, NY; May 9, 2014.
- “Certainty of Punishment vs Severity of Punishment: Deterrence and Wastewater Discharges,” presented at the Heartland Workshop of Environmental and Resource Economics, Champaign, Illinois; November 3, 2013.
- “Coercive vs. Cooperative Enforcement: Effect of the Regulator-Regulated Entity Relationship on Environmental Management,” presented at the U.S. Society for Ecological Economics Conference, Burlington, VT; June 12, 2013.
- “Certainty of Punishment vs Severity of Punishment: Deterrence and Wastewater Discharges,” presented at the Association of Environmental and Resource Economists (AERE) Summer Conference, Banff, Alberta, Canada; June 7, 2013.
- “Coercive vs. Cooperative Enforcement: Effect of the Regulator-Regulated Entity Relationship on Environmental Management,” presented at the American Law and Economics Annual Meetings, Nashville, TN; May 18, 2013.
- “The Influence of Financial Status on Environmental Performance: The Role of Enforcement,” presented at the Ruprecht-Karls-Universität Heidelberg (University of Heidelberg), Economics Department Workshop, Heidelberg, Germany; November 12, 2012.
- “Sanctioning of Environmental Violations,” presented at the Departamento de Análisis Económico, Universidad Autónoma de Madrid, Madrid, Spain; September, 12, 2012.
- “Industry-led Efforts to Promote Voluntary Pollution Control: The Effect of the Chemical Manufacturing Industry’s Responsible Care Program on Environmental Compliance,” presented at the Voluntary Pollution Control Workshop, in Columbus, OH; May 21, 2012.

- “Industry-led Efforts to Promote Voluntary Pollution Control: The Effect of the Chemical Manufacturing Industry’s Responsible Care Program on Environmental Compliance,” presented at the Alliance for Research on Corporate Sustainability (ARCS) Conference, in New Haven, CT, May 18, 2012.
- “Corporate Environmental Strategies in Developing and Transition Economies” presented at the Heartland Workshop of Environmental and Resource Economics, University of Illinois; October 24, 2011.
- “Effect of Effluent Limits on Wastewater Discharges,” presented at the Association of Environmental and Resource Economists (AERE) Summer Conference, Seattle, Washington, June 10, 2011.
- “Financial Effects of Environmental Regulation: Actual Profitability Outcomes versus Investor’s Profitability Expectations,” presented at the Alliance for Research on Corporate Sustainability (ARCS) Conference, in Philadelphia, PA, May 10, 2011.
- “Financial Effects of Environmental Regulation: Actual Profitability Outcomes versus Investor’s Profitability Expectations,” presented at the Association of Environmental and Resource Economists (AERE) Meetings in Denver, CO, January 9, 2011.
- “Effluent Limits and Monitoring: Do Regulators Inspect Polluters Facing Tighter Limits Less Frequently in Response to Noncompliance?” presented at the Center for Economic Research and Graduate Education - Economic Institute (CERGE-EI), Prague, Czech Republic; May 17, 2010.
- “Effluent Limits and Monitoring: Do Regulators Inspect Polluters Facing Tighter Limits Less Frequently in Response to Noncompliance?” presented at the World Congress of Environmental and Resource Economists, Montreal, Canada; July 2, 2010.
- “Effluent Limits and Monitoring: Do Regulators Inspect Polluters Facing Tighter Limits Less Frequently in Response to Noncompliance?” presented at the Environmental Protection Agency, National Center for Environmental Economics, Washington, DC; Sept. 15, 2010.
- “Effluent Limits and Monitoring: Do Regulators Inspect Polluters Facing Tighter Limits Less Frequently in Response to Noncompliance?” presented at the Heartland Workshop of Environmental and Resource Economics, University of Illinois; October 18, 2010.
- “Effect of Voluntary Environmental Management Systems on Environmental Performance,” presented at the Association of Environmental and Resource Economists (AERE) Meetings in San Francisco, CA, January 4, 2009.
- “Effect of EPA Sector Policy on Facility-Level Environmental Performance: “Significant” Status and ‘Priority’ Status,” presented at the University of Colorado Workshop on Environmental and Resource Economics in Vail, CO, September 19, 2008.
- “Effect of EPA Sector Policy on Facility-Level Environmental Performance: “Significant” Status and ‘Priority’ Status,” presented at the National Bureau of Economic Research (NBER) Summer Institute — Environmental and Energy Economics Workshop in Cambridge, MA, July 21, 2008.
- “The Effect of Environmental Regulation on Firm Financial Performance: Short-Run versus Long-Run Implications,” presented at the Occasional California Workshop on Environmental and Resource Economics in Santa Barbara, CA, sponsored by the University of California at Santa Barbara, March 22, 2008.
- “The Effect of Environmental Regulation on Firm Financial Performance: Short-Run versus Long-Run Implications,” presented at the Association of Environmental and Resource Economists (AERE) Meetings in New Orleans, LA, January 4, 2008.

- “The Effect of Environmental Regulation on Firm Financial Performance: Short-Run versus Long-Run Implications,” presented at the Heartland Environmental and Resource Economics Workshop in Ames, IA, September 17, 2007.
- “The Effects of Financial Status on Corporate Environmental Performance: Liquidity, Solvency, and ‘Bottomline Success’,” presented at the Colorado State University Agricultural and Resource Economics departmental seminar, March 23, 2007.
- “The Effects of Financial Status on Corporate Environmental Performance: Liquidity, Solvency, and ‘Bottomline Success’,” presented at the University of Colorado – Boulder Economics departmental seminar, March 22, 2007.
- “People’s Responses to Variation in Environmental Quality: An Economist’s Perspective,” presented at the *Population and Environment: Interdisciplinary Perspectives*, Global Research on Water-Based Economies (GRoWE) Symposium IV, hosted by Kansas Population Center, Kansas State University, November 10, 2006.
- “Effect of Voluntary Environmental Management Systems on Environmental Performance,” presented at the University of Colorado Workshop on Environmental and Resource Economics in Vail, CO, September 22, 2006.
- “Do Entrepreneurs Adopt Better Environmental Management Practices?” presented at the Heartland Environmental and Resource Economics Workshop in Ames, IA, September 18, 2006.
- “Factors Shaping Corporate Environmental Performance: Regulatory Pressure, Financial Status, and Facility Characteristics,” presented at the Association of Environmental and Resource Economists (AERE) Meetings in Boston, MA, January 7, 2006.
- “Factors Shaping Corporate Environmental Performance: Regulatory Pressure and Financial Status” presented at the National Bureau of Economic Research (NBER) Public Economics – Environmental Economics Summer Workshop, July 28, 2005.
- “Factors Shaping Corporate Environmental Performance: Regulatory Pressure and Facility and Firm Characteristics” presented at the Heartland Environmental and Resource Economics Workshop in Ames, IA, September 20, 2004.
- “Factors Shaping Corporate Environmental Performance: Regulatory Pressure and Facility and Firm Characteristics” presented at the Camp Resources Workshop in Wilmington, NC, August 17, 2004.
- “Effects of Interventions on Corporate Environmental Performance: Does the Source Matter?” presented at the Environmental Protection Agency (EPA) Workshop on Corporate Environmental Performance in Washington, DC, April 26, 2004.
- “Effects of Ownership and Financial Status on Corporate Environmental Performance” presented at the Heartland Environmental and Resource Economics Workshop in Ames, IA, September 21, 2003.
- “Effects of Ownership and Financial Status on Corporate Environmental Performance” presented at the National Bureau of Economic Research (NBER) Summer Institute — Workshop on Public Policy and Environment, Boston, MA, July 28, 2003.
- “The Effects of Orthogonal and Countervailing Variation in Multiple Dimensions of Water Quality on Recreation Demand” presented at the Heartland Environmental and Resource Economics Workshop in Ames, IA, September 23, 2002.
- “Effects of Permitted Effluent Limits on Compliance Levels” presented at the National Bureau of Economic Research (NBER) Summer Institute — Workshop on Public Policy and Environment, Boston, MA, July 29, 2002.

- “Comparing and Combining Revealed and Stated Preference Methods to Value Open Space and its Duration at Residential Locations” presented at the Association of Environmental and Resource Economists (AERE) Meetings in Atlanta, GA, January 5, 2002.
- “The Effect of Community Pressure on Polluter Compliance Levels: Is Community Pressure Sufficient for Ensuring Compliance?” presented at the Heartland Environmental and Resource Economics Workshop in Ames, IA, September 24, 2001.
- “Compliance with Water Pollution Limits: Is Enforcement Necessary or Sufficient?” presented at the National Bureau of Economic Research (NBER) Summer Institute — Workshop on Public Policy and Environment, Boston, MA, July 30, 2001.
- “Effects of Ownership on Environmentally-Related Corporate Performance in the Czech Republic,” presented at the Association for Comparative Economic Studies (ACES) Meetings in New Orleans, LA, January 7, 2001.
- “The Value of Time: Combining Revealed and Stated Preference Data to Estimate Recreation Demand,” presented at the Association of Environmental and Resource Economists (AERE) Meetings in New Orleans, LA, January 5, 2001.
- “Combining Revealed and Stated Preference Data to Estimate Recreational Benefits,” presented at the Heartland Environmental and Resource Economics Workshop in Ames, IA, September 17, 2000.
- “Environmental Performance and the Effectiveness of Government Intervention,” presented at the National Bureau of Economic Research (NBER) Summer Institute — Workshop on Public Policy and Environment, Boston, MA, August 7, 2000.
- “Effects of Ownership on Corporate Financial and Environmental Performance and Links between the Performance Types,” presented at the Centre for Economic Policy Research (CEPR) and William Davidson Institute International Conference on Transition Economics in Moscow, July 3, 2000.
- “Effects of Ownership on Corporate Financial and Environmental Performance and Links between the Performance Types,” presented at the Association of Law and Economics (ALEA) Meetings in New York, NY, May 6, 2000.
- “Effects of Ownership on Corporate Financial and Environmental Performance and Links between the Performance Types,” presented at the Association of Environmental and Resource Economists (AERE) Meetings in Boston, MA, January 9, 2000.
- “Effects of Ownership on Corporate Financial and Environmental Performance and Links between the Performance Types,” presented at the Association for Comparative Economic Studies (ACES) Meetings in Boston, MA, January 9, 2000.
- “Valuation of Time Costs: Linking Revealed and Stated Preferences to Estimate Recreational Benefits,” presented at the Heartland Environmental and Resource Economics Workshop in Ames, IA, September 19, 1999.
- “The Value of Time: Combining Revealed and Stated Preference Data to Estimate Recreation Demand,” presented at the National Bureau of Economic Research (NBER) Summer Institute — Workshop on Public Policy and Environment, Boston, MA, August 2, 1999.
- “Liability for Past Environmental Contamination and Privatization,” presented at the Association of Law and Economics (ALEA) Meetings in New Haven, CT, May 7, 1999.
- “Liability for Past Environmental Contamination and Privatization,” presented at the Association for Comparative Economic Studies (ACES) Meetings in New York, NY, January 4, 1999.
- “Combining Revealed and Stated Preference Methods to Value the Presence and Quality of Environmental Amenities,” presented at the National Bureau of Economic Research

(NBER) Summer Institute — Workshop on Public Policy and the Environment, Boston, MA, August 1, 1998.

“Environmental Crime and Punishment in the Czech Republic: Penalties Against Firms and Employees,” presented at the American Law and Economics Association (ALEA) Meetings in Berkeley, CA, May 8, 1998.

“Environmental Crime and Punishment in the Czech Republic: Penalties Against Enterprises and Employees,” presented at the Association for Comparative Economic Studies (ACES) Meetings in Chicago, IL, January 4, 1998.

"Public Involvement in and Political Influence on Government Environmental Protection Efforts in Centrally Planned and Transitional Economies," presented at the Association for Comparative Economic Studies Meetings, Paper Competition Panel, in New Orleans, LA, January 6, 1997.

"Environmental 'Civil Litigation' in the Czech Republic," presented at the Southern Economic Association Meetings in Washington, DC, November 24, 1996.

"Teaching About the Russian and East European Economies," presented as part of a roundtable panel at the American Association for the Advancement of Slavic Studies (AAASS) National Convention in Boston, MA, November 14, 1996.

"Coordination of Public and Private Enforcement: Water Quality Protection in the Czech Republic" presented at the Ninth Maastricht Workshop in Law and Economics at the University of Limburg in Maastricht, Netherlands, April 4, 1996.

"Environmental Crime and Punishment in Centrally Planned and Transition Economies: Corporate and Employee Fines" presented at the Association for Comparative Economic Studies (ACES) Meetings in San Francisco, CA, January 7, 1996. (Session Chairperson)

"Environmental Enforcement in a Centrally Planned and Transitional Market Economy" presented at the Association of Environmental and Resource Economists (AERE) Meetings in Washington, DC, January 8, 1995. (Session Chairperson)

## **OTHER RESEARCH EXPERIENCE:**

**Wisconsin Department of Natural Resources**, Bureau of Research, Madison, WI  
Research on firms' efforts to prevent pollution. April 1994 – October 1994

**Institute for Research on Poverty**, University of Wisconsin - Madison, Madison, WI  
Research on the effect of taxes on poverty duration; with Andrew Reschovsky.  
September 1990 – September 1991

**Resources for the Future**, Quality of the Environment Division, Washington, DC. Summer 1989

**Board of Governors of the Federal Reserve System**, Washington, DC  
Division of Research and Statistics, Capital Markets Section  
Research on interactions between stock, bond, and derivative markets; with Pat White, Patrick Parkinson, Mark Warshawsky, Patrick Lawler. August 1987 – May 1989

## **PROFESSIONAL CONTRACTS:**

Czech Science Foundation, Foreign Research Evaluator, 180 Euros, October 2014

Czech Science Foundation, Foreign Research Evaluator, 500 Euros, October 2015

## PROFESSIONAL SERVICE:

Association of Environmental and Resource Economists (AERE), Dissertation Award Committee service, August-October 2015

Association of Environmental and Resource Economists (AERE), Summer Conference Program Committee service, December 2011, January 2013, January 2015

World Congress of Environmental and Resource Economists (WCERE), Conference Program Committee service, February 2014

Alliance for Research on Corporate Sustainability (ARCS), Conference Program Committee service, January 2014, January 2015

Association for Comparative Economic Studies (ACES), *Comparative Economic Studies*, Editorial board membership, January 2002 - February 2010

Association for Comparative Economic Studies (ACES), *Comparative Economics Studies*, symposium editor, January 2005- June 2006

Association of Environmental and Resource Economists (AERE), Program Committee, January 2007 - 2009

Referee Service to Academic Journals:

*American Economic Journal: Economic Policy*

*B.E. Journals in Economic Analysis and Policy*

*Contemporary Economic Policy*

*Ecological Economics*

*Economic Inquiry*

*Economics Bulletin*

*Environmental and Resource Economics*

*European Journal of Law and Economics*

*International Review of Law and Economics*

*Journal of Agricultural and Resource Economics*

*Journal of Environmental Economics and Management*

*Journal of Law, Economics, and Organization*

*Journal of Policy Analysis and Management*

*Journal of Regulatory Economics*

*Journal of Urban Economics*

*Land Economics*

*Resource and Energy Economics*

## FOREIGN LANGUAGES:

Russian: reading, writing, speaking - fair

Czech: reading, speaking - fair