

## **Laura O. Taylor**

Director, Energy Policy and Innovation Center  
Professor, School of Economics  
Georgia Institute of Technology  
Atlanta, Georgia

### **Contact Information**

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### **Education**

Ph.D. (Economics), North Carolina State University, 1995.

M.A. (Economics), Duke University, 1990.

B.A. (Economics), University of North Carolina at Asheville, 1987.

### **Experience**

2024 to present: Director, Energy Policy and Innovation Center, Georgia Institute of Technology

2023 to 2024: Interim Director, Energy Policy and Innovation Center, Georgia Tech.

2018 to 2024: Chair, School of Economics, Georgia Institute of Technology.

2018 to present: Professor, School of Economics, Georgia Institute of Technology

2007 to 2018: Professor and Director, Center for Environmental and Resource Economic Policy,  
Department of Agricultural and Resource Economics, North Carolina State  
University.

2001 to 2005: Associate Director, Environmental Policy Program, Georgia State University.

2001 to 2007: Associate Professor, Department of Economics, Georgia State University.

1994 to 2001: Assistant Professor, Department of Economics, Georgia State University.

## **Appointments, Fellowships and Offices Held**

### *Elected Office and Boards*

Board of Directors, Resources for the Future, 2024 - 2027.

Board Member, Fulton Technology & Energy Authority (FTEA), Fulton County, GA, 2024-27.

Vice President, Southern Economic Association, 2024 - 2025.

Board of Directors, Society for Benefit Cost Analysis, 2020 - 2022.

President, Association of Environmental and Resource Economists, 2017 - 2018.

Board of Directors, Association of Environmental and Resource Economists, 2016 - 2019.

Vice-President, Association of Environmental and Resource Economists, 2008 - 2009.

Board of Directors, Association of Environmental and Resource Economists, 2002 - 2004.

### *Awards, Fellowships, and Other*

University System of Georgia Executive Leadership Institute, 2021-2022.

Elected Fellow, Association of Environmental and Resource Economists, 2020.

American Council on Education Fellow, 2013-2014. Sponsor: Provost Warwick Arden, North Carolina State University. Host: President Thomas Ross, The University of North Carolina (system office).

National Alumni Council, University of North Carolina at Asheville, 2015 to 2018.

Aldo Leopold Leadership Fellowship, 2013-2014.

### *Advisory Committees*

National Renewable Energy Lab, Strategic Energy Analysis and Decision Sciences Directorate, Technical Review Panel, 2024 to present.

National Academies of Sciences, Engineering, and Medicine (NASEM), Standing Committee on Emerging Science for Environmental Health Decisions (ESEHD), 2022 to 2023.

North Carolina Sea Grant, Advisory Board, 2014 - 2018.

University of Iowa Public Policy Center, National Advisory Committee, 2014 - 2018.

Council on Food, Agricultural and Resource Economics (C-FARE), Blue Ribbon Panel of Experts, Environmental and Natural Resources Panel, 2011 - 2017.

U.S. Department of the Interior, Bureau of Ocean Energy Management, North Carolina Renewable Energy Task Force (chartered), 2010 - 2012.

U.S. Environmental Protection Agency, Science Advisory Board, Environmental Economics Advisory Committee (standing committee), 2006 - 2012.

North Carolina Department of Natural Resources and U.S. Environmental Protection Agency, Albemarle-Pamlico National Estuary Program, Science Advisory Board, 2009 - 2010.

North Carolina General Assembly, Legislative Research Commission Advisory Subcommittee on Offshore Energy Exploration, 2009 - 2010.

North Carolina Department of Environment and Natural Resources, Division of Coastal Management, Ocean Policy Steering Committee Member, 2008 - 2009.

#### *Editorial Boards*

Editorial Committee, *Annual Review of Resource Economics*, 2018-2022.

Guest Editor, Special Issue on Environmental and Resource Economics, *Sustainability*, 2012.

Editorial Board, *International Review of Environmental and Resource Economics*, 2010 to 2018.

Editorial Council, *Resource and Energy Economics*, 2006 to 2010.

Scientific Advisory Board, *Environmental and Resource Economics*, 2004 to present.

Editorial Council, *Journal of Environmental Economics and Management*, 2001 to 2008.

#### **Publications** (\* indicates student/former student or post-doctoral mentee)

“Bidding Against the Wind: A Choice Experiment in Green Energy, Green Jobs and Offshore Views in North Carolina, USA,” (with Lee Parton\*, Daniel Phaneuf and Sanja Lutzeyer\*), *Journal of Environmental Management*, 351:119820, 2024.

“Advances in Causal Inference at the Intersection of Air Pollution and Health Outcomes” (with Dylan Brewer and Daniel Dench), *Annual Review of Resource Economics*, 15:455-469, 2023.

“Utility-Scale Solar Farms and Agricultural Land Values” (with Nino Abashidze\*), *Land Economics*, 99(3): 327-342, 2023.

“Water Use in the Landscape: A Comparison of Irrigation Technologies and Water Quality on Behavior” (with Jonathan M. Lee\* and Emily Z. Berglund), *Water Resources Research*, 57(10), 2021.

“Translating a Global Emission-Reduction Framework for Subnational Climate Action: A Case Study from the State of Georgia” (with Marilyn Brown, Blair Beasley, Fikret Aatalay, Kim Cobb, et al.), *Environmental Management*, 67:205-227, 2021.

“Revealed Preference Methods for Estimating the Value of Reduced Mortality Risks: Contemporary Guidance for the Hedonic Wage Model” (with Mary Evans), *Review of Environmental Economics and Policy*, 14(2): 739-769, 2020.

“Randomized Safety Inspections and Risk Exposure on the Job: Quasi-experimental Estimates of the Value of a Statistical Life” (with Jonathan Lee\*), *American Economic Journal: Economic Policy*, 11(4):350-374, 2019.

- “What’s in a Name? A Systematic Search for Alternatives to the VSL” (with Chris Dockins, Alan Krupnick, Kelly B. Maguire, Steve Newbold, and Nathalie B. Simon), *Review of Environmental Economics and Policy*, 13(1), 2019.
- “The Amenity Costs of Offshore Wind Farms: Evidence from a Choice Experiment” (with Sanja Lutzeyer\* and Daniel Phaneuf), *Energy Economics*, 72: 621-639, 2018.
- “Conservation Policies: Who Responds to Price and Who Responds to Prescription?” (with Casey Wichman\* and Roger von Haefen), *Journal of Environmental Economics and Management*, 76: 114-134, 2016.
- “Disentangling the Property Value Impacts of Environmental Contamination from Locally Undesirable Land Uses: Implications for Measuring Post-Cleanup Stigma” (with Daniel Phaneuf and Xiangping Liu\*), *Journal of Urban Economics*, 93: 85-98, 2016.
- “The Hedonic Price Method,” in *Environmental and Natural Resource Economics: An Encyclopedia*, eds. T. Haab and J. Whitehead (ABC-CLIO Inc.), 2014.
- “Amenity Values of National Wildlife Refuges: An Analysis of Urban Residential Property Values” (with Xiangping Liu\*, Timothy Hamilton\* and Peter Grigelis\*), *Ecological Economics*, 94: 37-43, 2013.
- “Municipal Rebate Programs for Environmental Retrofits: An Evaluation of Additionality and Cost-Effectiveness” (with Lori Benneer and Jonathan Lee\*), *Journal of Policy Analysis and Management*, 32(2): 350-372, 2013.
- “Combining Revealed and Stated Preference Data to Estimate Preferences for Residential Amenities: A GMM Approach” (with Daniel Phaneuf and John Braden), *Land Economics*, 89(1): 30-52, 2013.
- “Hedonics,” in *Encyclopedia of Energy, Natural Resource, and Environmental Economics*, Vol. 3, ed. J. Shogren, (Elsevier, Amsterdam), 342-348, 2013.
- “Hypothetical Bias in Choice Experiments: Is Cheap Talk Effective at Eliminating Bias on the Intensive and Extensive Margins of Choice?” (with Ryan Bosworth), *Journal of Economic Analysis & Policy*, Vol. 12: Issue 1 (Contributions), Article 1, 2012.
- “Risk Heterogeneity and the Value of a Statistical Life: Further Market-Based Evidence” (with Ikuho Kochi\*), *Journal of Benefit-Cost Analysis*, Vol. 2: Issue 3, Article 1, 2011.
- “Valuing Risk Reductions: Incorporating Risk Heterogeneity in a Revealed Preference Framework” (with Carol Scotton\*), *Resource and Energy Economics*, 33(2): 381-397, 2011.
- “Experimental Tests of Provision Rules in Choice Surveys,” (with Kevin Boyle and Mark Morrison), *Environmental and Resource Economics*, 47(2):197-220, 2010.

“The Value of Public and Private Green Spaces Under Water Restrictions,” (with Darla Hatton-MacDonald, Neville Crossman, Parvin Mahmoudi, David M. Summers, and Peter C. Boxall), *Landscape and Urban Planning*, 95(4): 192-200, 2010.

“On Behavioral Environmental Economics” (with Jason Shogren), *Review of Environmental Economics and Policy*, 2(1):26-44, 2008.

Reprinted in *Economics of the Environment: Selected Readings*, ed., R. Stavins (Edward Elgar Publishing Ltd), Sixth and Seventh Edition, 2012 and 2018.

“Theoretical Foundations and Empirical Developments in Hedonic Modeling” in *Hedonic Methods in Housing Markets: Pricing Environmental Amenities and Segregation*, eds. A. Baranzini, J. Ramirez, C. Schaerer and P. Thalmann, 2008.

“Altruism Spillovers: Are Behaviors in Context-free Experiments Predictive of Altruism Toward a Naturally Occurring Public Good?” (with Susan K. Laury), *Journal of Economic Behavior and Organization*, 65:9-29, 2008.

“Economic Benefits of Remediating the Buffalo River, NY Area of Concern,” (with John Braden and DooHwan Won), *Journal of Great Lakes Research*, 34: 631-648, 2008.

“Economic Benefits of Remediating the Sheboygan River, WI Area of Concern,” (with John Braden and DooHwan Won), *Journal of Great Lakes Research*, 34: 649-660, 2008.

“Estimating the Value of Water Use Permits: A Hedonic Approach Applied to Farmland in the Southeastern US” (with Ragan Petrie), *Land Economics*, 83(3): 302-318, 2007.

“Using Meta Analysis for Benefits Transfer: Strengths and Weaknesses” (with John Bergstrom), *Ecological Economics*, 60(2): 351-360, 2006.

“Experimental Methods for the Testing and Design of Contingent Valuation,” in *Contingent Valuation Handbook*, eds. A. Alberini and J. Kahn (Edward Elgar: England), pp 177-203, 2006.

“Do Economists Recognize an Opportunity Cost When They See One? A Dismal Performance from the Dismal Science” (with Paul Ferraro), *B.E. Journal of Economic Analysis and Policy (Contributions)*, Vol. 4: No. 1, Article 7, 2005.

“Estimating the Economic Impacts of Environmentally Contaminated Properties in an Urban Area,” (with Keith Ihlanfeldt), *Journal of Environmental Economics and Management*, 47: 117-139, 2004.

“The Hedonic Method,” in *A Primer on the Economic Valuation of the Environment*, eds. P. Champ, T. Brown and K. Boyle (Kluwer), pp 331-394, 2003.

“Do Students Behave Like Adults? Evidence from Valuation Experiments,” (with Kelly Brown\* and Shiferaw Gurmu), *Applied Economics Letters*, 10(2): 753-756, 2003.

“What Determines the Value of Life? A Meta Analysis,” (with Janusz Mrozek), *Journal of Policy Analysis and Management*, 21(2): 253-270, 2002.

Reprinted in *Journal of Policy Analysis and Management Classic Series: Cost-Benefit Analysis and Public Policy*, ed., David Weimer (Wiley Blackwell), 2008.

“Objective Versus Subjective Measures of Environmental Quality in Hedonic Property Value Models,” (with Kevin Boyle, Roy Bouchard, and Joan Poor), *Land Economics*, 77(4), 482-493, 2001.

Reprinted in *Revealed Preference Approaches to Environmental Valuation: Volume II*, eds., J. Herriges and C. Kling (Ashgate Publishing), 2008.

“Does the Measurement of Property and Structural Characteristics Affect Estimated Implicit Prices for Environmental Amenities in a Hedonic Model?” (with Kevin Boyle), *Journal of Real Estate Finance and Economics*, 22(2/3), 303-318, 2001.

“Induced Value Tests of the Referendum Voting Mechanism,” (with Ronald Cummings, Susan Laury, and Michael McKee), *Economics Letters*, 71(1), 61-65, 2001.

“Experimental Economics in Environmental and Natural Resource Management,” (with Ronald Cummings), in the *International Yearbook of Environmental and Resource Economics*, eds. H. Folmer and T. Tietenberg (Edward Elgar, publisher), 123-149, 2001.

“Do As You Say, Say As You Do: Evidence on Gender Differences in Actual and Stated Contributions to Public Goods,” (with Kelly Brown\*), the *Journal of Economic Behavior and Organization*, 43, 127-139, 2000.

“Environmental Amenities as a Source of Market Power,” (with V. Kerry Smith), *Land Economics*, November, 76(4), 550-568, 2000.

“To Whisper in the Ears of Princes: Laboratory Experiments and Public Policy,” (with Ronald Cummings, Michael McKee), in *Frontiers of Environmental Economics*, eds. H. Folmer, Rose, S. Gerking, and Gabel (Edward Elgar, publisher), pp 121-147, 2000.

“Unbiased Value Estimates For Environmental Goods: A Cheap Talk Design For The Contingent Valuation Method,” (with Ronald Cummings), *American Economic Review*, 83(3), 649-665, 1999.

Reprinted in *Experiments in Environmental Economics, Volumes I and II*, eds., T. Tietenberg, K. Segerson, and J. Shogren (Ashgate Publishing), 2002.

“Estimating the Demand for Protecting Freshwater Lakes from Eutrophication,” (with Kevin Boyle and Joan Poor), *American Journal of Agricultural Economics*, 81(5), 1118-1122, 1999.

Reprinted in *Revealed Preference Approaches to Environmental Valuation: Volume II*, eds., J. Herriges and C. Kling (Ashgate Publishing), 2008.

“Incentive Compatible Referenda and the Valuation of Environmental Goods,” *Agricultural and Resource Economics Review*, 27(2), 132-139, 1998.

“Does Realism Matter in Contingent Valuation?” (with Ronald Cummings), *Land Economics*, 74(2), pp 203-215, 1998.

“A Learning Design for Reducing Hypothetical Bias in the Contingent Valuation Method,” (with David Bjornstad and Ronald Cummings; published under the name Laura Osborne), *Environmental and Resource Economics*, 10(3), pp 207-211, 1997.

“Do Contingent Valuation Estimates Pass a “Scope” Test? A Meta Analysis” (with V. Kerry Smith; published under the name Laura Osborne), *Journal of Environmental Economics and Management*, 31(3), pp 287-301, 1996.

### **Working Papers**

“In Utero Environmental Exposures and Birth Outcomes: Evidence from Large-Scale Animal Feeding Operations” (with Nino Abashidze\* and Jacob Hochard), working paper, 2023.

### **Other Writing**

“Residential Water Use: Evaluating the Water Manager’s Toolkit for Promoting Conservation” *NC State Economist*, July/August 2012.

“Amenity Values of Proximity to National Wildlife Refuges,” (with Timothy Hamilton and Xiangping Liu), final report to Fish and Wildlife Service, Department of Interior, November 2011, 75pp.

“An Evaluation of the Town of Cary’s High Efficiency Toilet Rebate Program” (with Lori Benneer and Jonathan Lee), final report to the Town of Cary, North Carolina, October 2011, 41pp.

“The Value of Private and Public Green Space in the Leafy Suburbs of Adelaide” (with Darla Hatton MacDonald, Neville Crossman, Parvin Mahmoudi, David Summers, and Peter Boxall), CSIRO Land and Water Division Report, January 2008, 56 pp.

“Public/Private Partnerships for Brownfield Redevelopment” *NC State Economist*, November/December 2007.

“Economic Benefits of Sediment Remediation” (with John Braden, DooHwan Won, Nicole Mays, Allegra Cangolisi, Arianto Paturnu), final report to Great Lakes National Program Office, US Environmental Protection Agency, Chicago, IL, December 2006.

“Developing Offset Banking Systems in Georgia” (with Ronald G. Cummings and M. Bruce Beck), Water Policy Center Paper #2003-002, May 2003.

“Offset Banking – A Way Ahead for Controlling Nonpoint Source Pollution In Urban Areas in Georgia” (with Mark Morrison), Water Policy Center Paper #2002-004, May 2002.

“The Economic Impacts of Environmentally Contaminated Sites on Commercial and Industrial Property Values in Atlanta, Georgia,” report to the National Center for Environmental Economics, U.S. Environmental Protection Agency, 2001, 69 pp.

“The Economic Impacts of Controlling NOx and VOC Emissions in the Atlanta Region,” report to Environmental Protection Division, Georgia Department of Natural Resources, 1997, 90 pp.

“Economics and Ecology: Strange Bedfellows?,” a review of Integrating Economic and Ecological Indicators: Practical Methods for Environmental Policy Analysis for *Rivers*, 5(2), 146-149, 1995.

## **Extramural Funding**

### *Principal Investigator*

“The health effects of air pollution: An interdisciplinary research program,” funded by the Georgia Institute of Technology, Co-Principal Investigator: Randall Guensler, \$48,635, 2021-2022.

“Building capacity to quantify the ecosystem services and economic value of Georgia’s living shorelines,” funded by the Georgia Institute of Technology Global Change Program, Co-Principal Investigator: Joel Kostka and Frank Stewart, \$30,000, 2019.

“Estimating the Benefits of Stream Water Quality Improvements in Urbanizing Watersheds: An Ecological Production Function Approach,” funded by the U.S. Environmental Protection Agency, Co-Principal Investigators: Roger von Haefen (lead PI), Daniel Obenour, George Van Houtven, Melissa Kenney, \$799,728, 2015 – 2018.

“Climate Change Adaptation for Coastal National Wildlife Refuges,” funded by the U.S. Department of Interior (prime), Co-Principal Investigator: Jennifer Costanza, \$387,685, 2015 – 2018.

“A Research Network on Water Solutions (ReNeWS): the U.S. Southeast and Beyond,” funded by the Office of Research, Innovation and Economic Development, NCSU, Co-Principal Investigators: Sankar Arumugam, Andrew Binder, Emily Berglund, JoAnne Burkholder, Ryan Emmanuel, Walter Robinson, Susan White, \$15,000, 2015.

“Development of a Watershed Stewardship Network,” funded by the Office of Extension, Engagement and Economic Development, NCSU, \$10,000, 2012-2013.

“A Study for Support of Offshore Wind Energy Development in North Carolina,” funded by the N.C. Department of Commerce (prime), Co-Principal Investigators: Jennifer Banks, Billy Edge, George List, \$135,705, 2011-2012.

“A Comprehensive Framework for Estimating the Value of Market and Non-Market Damages to Coastal Forest Ecosystems Resulting from the Deepwater Horizon Spill,” funded by the U.S. Department of Agriculture (prime), \$40,697, 2010-2011.

“Disconnecting Stormwater Conveyances to Restore the Black Creek Watershed,” funded by the North Carolina Clean Water Management Trust Fund, Co-Principal Investigators: Christy Perrin (lead PI), Patrick Beggs, Kofi Boone, Mitchell Woodward, \$122,000, 2010-2012.

“Amenity Values of Proximity to National Wildlife Refuges,” funded by the U.S. Fish and Wildlife Service, \$67,800, 2009-2011.

“Camp Resources: A Workshop for Professional Development of Young Researchers in Environmental Economics,” funded by the US Environmental Protection Agency, Co-Principal Investigator: Roger von Haefen, \$176,000, 2009-2015.

“Documenting Landscape Change in North Carolina: A Tool for Decision-Makers,” funded by NCSU Office of Extension, Engagement and Economic Development, Co-Principal Investigator: Steve Smutko, \$10,000, 2008 - 2009.

“Agricultural Water Policy in Georgia” funded by U.S. Department of Agriculture, Co-Principal Investigator: Paul Ferraro, \$129,295, 2006 - 2008.

“Experimental Tests of Provision Rules in Conjoint Applications for Environmental Valuation,” funded by the U.S. Environmental Protection Agency, \$129,000, 2003 - 2004.

“Estimating the Economic Impacts of Brownfields in an Urban Area,” funded by the U.S. Environmental Protection Agency, \$93,000, 1999-2000.

“Brownfields in Georgia,” funded by the Fiscal Research Center, Georgia State University and the Research and Sponsored Programs Office, Georgia State University, \$18,200, 1998.

“The Atlanta Voluntary Ozone Action Partners,” funded by the Environmental Protection Division, Georgia Department of Natural Resources, Co-Principal Investigator: Ronald Cummings, \$460,000, 1997-1998.

“The Costs of Ozone Air Pollution Controls for the Atlanta Region,” funded by the Environmental Protection Division, Georgia Department of Natural Resources, Co-Principal Investigator: Ronald Cummings, \$96,000, 1996-1997.

*Investigator, Non-Principal*

“The Effects of Internal Combustion Engine Transit Systems on Health: An Interdisciplinary Research Program Linking Transit-Related Pollution to Birth Outcomes,” funded by the Strategic Energy Institute, Georgia Institute of Technology, Principal Investigators: Dylan Brewer and Randall Guensler, \$119,856, 2022-2023.

“Economic Valuation of the Albemarle-Pamlico Watershed’s Natural Resources,” funded by the Albemarle-Pamlico National Estuary Partnership, Principal Investigator: George van Houtven, RTI International, \$79,876, 2015.

“Achieving New Milestones For Stormwater Runoff Reductions in Black Creek Watershed,” funded by U.S. Environmental Protection Agency, Principal Investigator: Christy Perrin, \$201,738, 2012 - 2015

“Disconnecting Stormwater Systems to Restore Black Creek,” funded by the U.S. Environmental Protection Agency (complimentary project also funded by Clean Water Management Trust Fund; see above), Principal Investigators: Christy Perrin and Patrick Beggs, \$200,000, 2010-2012.

“The Economic Benefits of Sediment Remediation,” funded by the United States Environmental Protection Agency, Principal Investigator: John Braden, \$129,800, 2004 - 2006.

“The Economic Valuation of Avoiding Arsenic Exposure in Drinking Water,” funded by the United States Environmental Protection Agency, Principal Investigator: Kevin Boyle, \$259,825, 2002 - 2004.

“Agricultural Water Policy Research Program,” funded by the United States Department of Agriculture, Principal Investigator: Ronald Cummings, \$903,422, 2001 - 2003.

“Innovative Water Policies,” funded by the Georgia Soil and Water Conservation Commission, Principal Investigator: Ronald Cummings, \$905,527, 2001 - 2003.

“New Institutions for Valuing Environmental Damages,” funded by the National Science Foundation and US Environmental Protection Agency, Principal Investigator: Ronald Cummings, \$115,000, 1995-1996.

“Cultural Differences in Willingness to Pay for Policies Designed to Reduce Global Warming,” (with Oak Ridge National Laboratory), funded by the U.S. Department of Energy, Co-Principal Investigators: Ronald Cummings and David Bjornstad, \$125,000, 1995-1996.

## **Selected Presentations**

*Conference/Workshop Presentations (listed alphabetically)*

American Economic Association Annual Meetings, 1994, 1996, 1999, 2000, 2003, 2004, 2012.

Agricultural and Applied Economics Association Annual Meetings, 2008, 2017.

Association of Environmental and Resource Economists Annual Conference, 2012, 2015.

Association for Public Policy Analysis and Management Annual Conference, 2011, 2012.

Camp Resources, 1994, 1999, 2005.

CIREQ Montreal Environmental and Natural Resource Economics Workshop (Keynote), 2022.

ECrew Workshop, Bathurst, Australia (Keynote Speaker), November 2007.

European Association of Environmental and Resource Economists Annual Conference, 2012, 2017.

Iowa State University, Heartland Environmental & Resource Economics Workshop (Keynote Speaker), September 2006.

Midwest Economics Association Annual Meetings, 2017.

National Science Foundation and US Environmental Protection Agency Partnership for Environmental Research: Valuation and Environmental Policy Workshop, 1997.

Northeastern Agricultural and Resource Economics Association Annual Meetings (Plenary Speaker), 1998.

Stirling Environment Camp, University of Stirling, Scotland (Keynote speaker), 2012.

Southern Economic Association Annual Meetings, 1999, 1997, 1995, 2011, 2015, 2019 (plenary speaker for AERE sub-section).

US Environmental Protection Agency, Improving the Valuation of Ecological Services Workshop, 2004.

Ulvön Environmental Economics Conference, Sweden, 2023 (Keynote speaker), 2024.

University of Arizona Environmental & Energy Economics Workshop, 2017.

W-4133 Annual Technical Meeting, 1995, 2006, 2007, 2022.

Water Resources Research Institute Annual Meeting, 2010, 2012, 2015.

World Congress of Environmental and Resource Economists, 1998, 2002, 2010.

Workshop on Nonmarket Valuation, Marseille, France (Keynote speaker), 2019.

#### *Seminars (listed chronologically)*

Colorado State University (2024), University of Kentucky (2023), Bates College (2023), Oregon State University (2019), Mississippi State University (2017), University of Georgia (2017), Yale University (2017), University of South Carolina (2017), Georgia Institute of Technology (2016), Cornell University (2013), Georgia State University (2012), Appalachian State University (2011), Resources for the Future (2010), Umeå University, Sweden (2010), University of Illinois (2005), University of Tennessee (2004), Syracuse University (2004), University of Wyoming (2003), Colorado State University (2003), University of Alberta (2003), North Carolina State University (2002), University of North Carolina, Asheville (2002), Cornell University (2002), University of Central Florida (2001), Columbia University (2001), University of Kentucky (2000), Emory University (2000), University of Tennessee (1997), University of Florida (1997), University of Maine (1996), University of Colorado (1996), University of Wyoming (1996), US

Environmental Protection Agency (1999), Georgia Institute of Technology (1996), Univ. of Georgia (1996).

### **Selected Media Coverage of Research:**

#### Newspapers

*The New York Times*

*USA Today*

*San Francisco Chronicle*

*Raleigh News & Observer*

*Triangle Business Journal*

#### Online News Sources

*ABC News*

*Fox News*

*NPR Affiliate KERA (TX)*

*Bloomberg News*

*Science Daily*

#### Radio and Television

*National Public Radio*

*NPR Affiliate WILL (IL)*

*NPR Affiliate WUNC (NC)*

*NBC Affiliate (WRAL, Raleigh)*

### **Courses Taught:**

Environmental and Resource Economics (Undergraduate, M.S., and Ph.D.)

Microeconomic Theory (M.A./Ph.D.)

Introduction to Microeconomics (Undergraduate)

### **Supervisory Activities:**

*Doctoral Thesis Committee Chair*

“Essays on Land Use Externality Management,” Nino Abashidze, 2019.

“Integrating Econometric Land Use Models with Ecological Modeling of Ecosystem Services to Guide Coastal Management and Planning,” Laura Villegas Ortiz, 2018.

“Essays in Offshore Wind Energy Development,” Sanja Lutzeyer, 2013.

“A Simulation Approach for Evaluating the Hedonic Wage Model's Ability to Recover Marginal Values for Risk Reductions,” Xingyi Puckett, 2013.

“A Quasi-experimental Approach to Measuring Compensating Wage Differentials for Risk in the Workplace,” Jonathan Lee, 2012.

Awarded *Carlson Outstanding Dissertation Award*, Department of Agricultural and Resource Economics, NC State University.

“Government Fragmentation and the Attainment of Regional Environmental Quality,” Peter Bluestone, 2007.

“Essays on The Value of a Statistical Life,” Ikuho Kochi, 2007.

“The Effects of Perceived Contamination on Commercial and Industrial Property Values,” Peter Grigelis, 2005.

“Returns to Public Expenditures on Education and the Environment: Essays on the Migration Behavior of the Highly Educated,” A.J. Sumell, 2005.

“Risk Measurement and Estimating the Value of a Statistical Life with Labor Market Data,” Carol Scotton, 2000.

“Mode, Population, and Gender Effects in Experimental Applications of Contingent Valuation,” Kelly Brown, 1999.

*Doctoral Thesis Committee Member (Economics, unless otherwise noted)*

“Three Essays in Energy Economics: Solar Adoption, Daylight Savings & Electricity Consumption, and Wind Forecast Uncertainty and Energy System Imbalance,” Victoria Godwin, in progress.

“Out of Power: The Distributional Effects of Environmental Hazards,” John Kim (Ph.D. candidate in Public Policy), in progress.

“Decentralized Energy Generation and Markets,” Evgeniya Tsybina, 2021.

“Essays on the Economics of Climate Change and Geoengineering,” Anthony Harding, 2020.

“The Crowning of King Cotton in the American South: Evidence from 1840 to 1975,” Xi Mao, 2020.

“Networks and Energy System Transitions,” Christopher Blackburn, 2019.

“Three Essays in Applied Microeconomics and Environmental Economics,” Lee Parton, 2018.

“Environmental and Resource Policy in North Carolina: Vehicle Emissions, Disposal, and Recycling,” Chris Giguere, 2017.

Awarded *Carlson Outstanding Dissertation Award*, Department of Agricultural and Resource Economics, NC State University.

“Price and Nonprice Water Conservation Policy Tools,” Marwa Salem, 2016.

Awarded *Carlson Outstanding Dissertation Award*, Department of Agricultural and Resource Economics, NC State University.

“Essays on Coastal Markets and Public Management Policies,” Steven Dundas, 2015.

Awarded *Carlson Outstanding Dissertation Award*, Department of Agricultural and Resource Economics, NC State University.

“Essays on Fracking,” Jonathan Eyer, 2015.

“Assessment of Electric Drive Vehicle Deployment in the U.S. Through Mid-Century,” Samaneh Babaei (Civil Engineering), 2014.

“Commodity Price Adjustment in a Competitive Storage Model,” Anh Nam Tran, 2013.

Awarded *Carlson Outstanding Dissertation Award*, Department of Agricultural and Resource Economics, NC State University.

“Natural Resource Economics Confronts CAPM: A Study of Energy Resources,” Xiaomei Chen, 2013.

“Estimating Quality Adjusted Income in Residential Sorting Models,” Timothy Hamilton, 2012.

“Essays in Nonmarket Valuation with Applications to Environmental Economics,” Adam Domanski, 2010.

“Modeling the Anthropogenic Spread of Aquatic Invasive Species: The Case of Zebra Mussels and Transient Recreational Boating in Wisconsin,” Levente Timar, 2008.

“The Capitalization of School Reform in Baton Rouge, Louisiana,” Velma Zaherovic-Herbert, 2007.

“The Effects of Air Pollution on Infant Health: An Analysis from Georgia,” Mamadou Sow, 2006.

“Essays on Voluntary Environmental Compliance,” Toshi Uchida, 2004.

“The Dirty-Industry Migration Hypothesis: A Reconsideration,” David Green, 1998.

*M.A. Thesis Committee Chair*

“Who Responds to Non-price Conservation Policies? A Reduced-form Analysis of Residential Water Demand,” Casey Wichman, 2011. Co-chair with Roger von Haefen.

Awarded the Conference of Southern Graduate Schools *2012 Master’s Thesis Award*

*M.A. Thesis Committee Member*

“Softer Development Paths: Assessing the Potential for Municipal Water Conservation to Forestall Supply Expansion Under Uncertainty,” Sarah Royster (Environmental Sciences and Engineering, UNC-Chapel Hill), 2014.

“The Value of Landscape Amenities: Contrasting Feature Proximity and View.” Thomas Dudley, 2011.

“Oyster Reef Restoration as a Fisheries Management Tool,” Erika Millstein (Marine Science), 2009.

*Undergraduate Honors Thesis Committee Chair*

“Title IV of the Clean Air Act Amendments: A Laboratory Evaluation of the EPA’s Allowances Auctions,” Jonathon Feagle, 1995.

*Internship Advisor (Undergraduate Students)*

“Brownfields Policy in Atlanta,” Nicolas Grout (Home Institution: St. Pius College), Andrew Young School Summer Internship Program 2005.

“Mega-churches and Neighborhood Land Values,” Whitney Rusert (Home Institution: Georgia State University), Andrew Young School Summer Internship Program 2003.

“Wetlands Trading in Georgia,” Nora Giess (Home Institution: Columbia University), Andrew Young School Summer Internship Program 2002.

“Water Resource Management in Georgia,” Leo Salinas (Home Institution: Georgia Institute of Technology), Andrew Young School Summer Internship Program 2001.

“Equity and Distribution of Brownfields in Georgia,” Jason Morgan (Home Institution: George Washington University), Andrew Young School Summer Internship Program 2000.

### **Select Service:**

#### *College and University Level*

#### Georgia Institute of Technology

Chair, Search Committee, Brook Byers Institute for Sustainable Systems Executive Director, 2024-2025

Co-Lead, ‘Sustainability Next’ Task Force, 2022 – present.

Chair, Search Committee, Chair of the School of Literature, Media and Communication, 2022.

Co-Lead, Budget Reform Task Force, Tuition Allocation Workgroup, 2021-2022.

Co-Lead, Climate Solutions Leadership Team, 2021-2022.

Co-Lead, ‘Sustainability Next’ Taskforce, Research Subgroup, 2021-2022.

Search Committee, Administrative Officer, Ivan Allen College of Liberal Arts, 2021.

Search Committee, Director of the Enterprise Innovation Institute, 2021.

Search Committee, Executive Vice President for Interdisciplinary Research, 2021.

Search Committee, Director of the Energy Policy & Innovation Center, 2021.

Search Committee, Provost, 2020.

Graduate Student Funding Review Committee, Office of the Provost, 2019-2020.

#### North Carolina State University

University Energy Council Co-Chair, 2017 to 2018.

Sustainability Council, Academic Working Group, 2016 to 2018.

University Faculty Scholars Selection Committee, College of Ag. and Life Sciences, 2016.

Sustainable Energy Systems and Policy Hiring Committee Co-Chair (part of the Chancellor’s Faculty Excellence Program; four faculty positions awarded), 2015-2017.

Global Water, Sanitation and Hygiene (Global WaSH) Hiring Committee (part of the Chancellor’s Faculty Excellence Program; four faculty positions awarded), 2015-present.

College of Agricultural and Life Sciences Human Systems Management Team, 2015-present.

Search Committee, Vice Chancellor for Finance and Administration, 2015.

Innovation and Efficiency Committee, College of Agricultural and Life Sciences, 2015.

Review, Promotion, and Tenure Committee, College of Agricultural and Life Sciences, 2014-16.

Big Ideas Task Force, College of Agricultural and Life Sciences, 2014.

Search Committee, Associate Dean for Research and Director of the NC Agricultural Research Service, College of Agriculture and Life Sciences, 2013.

University Budget Restructuring Task Force, 2012 to 2015.

University Budget Advisory Committee (advisory to the Chancellor), 2011 to 2013.

Committee on Educational Programs in Agroecology, College of Agricultural and Life Sciences, 2011-2012.

Advisory Board (NC State representative), Triangle Census Research Data Center, 2010 to 2016.

Chancellor's Faculty Excellence Task Force, 2010.

North Carolina State University Campus Environmental Sustainability Team, 2009.

Public Policy Task Force, North Carolina State University, 2008.

#### Georgia State University

Management Committee (Dean's standing committee), Andrew Young School of Policy Studies, 2001 to 2005.

University Senator, Georgia State University, April 2000 to April 2002.

#### *Departmental Level*

##### North Carolina State University

Promotion and Tenure Committee, Agricultural and Resource Economics, 2009 (chair), 2011, 2017 (chair).

Post-tenure Review Committee, Agricultural and Resource Economics, 2008-2012.

Graduate Admissions Committee (Ph.D. in Economics), 2009-2010.

Faculty Search Committees 2012 (Chair), 2015 (Chair), 2017 (Chair).

##### Georgia State University

Undergraduate Programs Committee, Department of Economics, 1996 to 2006 (Chair, 2000 to 2006).

Faculty Search Committees, 1999, 2001, 2004, 2006 (Chair).

#### *External*

Program Review Committee for the Department of Economics, Iowa State University, 2025.

Program Review Committee for the Department of Economics and Finance, Colorado School of Mines, 2024.

National Academies of Sciences, Engineering, and Medicine, Future-casting Workshop, January 2022.

Program Review Committee for the Department of Agricultural and Resource Economics, University of California at Berkeley, 2017.

National Academies of Sciences, Engineering, and Medicine, Breakthrough Jamboree for the Committee on Science Breakthroughs 2030: A Strategy for Food and Agricultural Research, Irvine, California, 2017.

Search Committee for Dean of Integrated Coastal Programs at East Carolina University and Director of University of North Carolina Coastal Studies Institute (a UNC system-wide Institute), 2017.

Wake County Water Partnership Member, standing committee appointed by Wake County Board of Commissioners, 2017/2018 term.

National Center for Ecological Analysis and Synthesis, *Human Impacts on Freshwater Sustainability Workgroup Participant*, 2013.

Co-Organizer (with Maximillian Auffhammer), *2011 Summer Conference of the Association of Environmental and Resource Economists* (inaugural conference for the Association, 350 attendees), 2010/2011.

Co-Organizer (with Roger von Haefen), *Camp Resources* (an annual summer research workshop designed for graduate students and young professionals in environmental economics), 2008 to 2017.

Wake County (NC) Sustainability Task Force, 2010 to 2011.

Technical Committee, Initiative for Sustainable Urban Water Use, Water Resources Research Institute, November 2009 to 2010.

Ocean Policy Steering Committee, NC Department of Environment and Natural Resources, Division of Coastal Management, 2008 to 2009.

Organizer, *Triangle Resource and Environmental Economics Workshop* (two-day workshop with 85 attendees), 2007.

Program Committee, *2002 World Congress of Environmental and Resource Economists*.

Organizing and Program Committee (Chair), *2001 Association of Environmental and Resource Economists Annual Summer Workshop*.

Organizing and Program Committee (Member), *2000 Association of Environmental and Resource Economists Annual Summer Workshop*.

Organizing and Program Committee (Member), *1999 Association of Environmental and Resource Economists Annual Summer Workshop*.

Brownfields Technical Committee, Atlanta Chamber of Commerce, 1996 to 1998.

#### *Referee/Reviewer (Selected)*

*American Economic Review, American Journal of Agricultural Economics, Agricultural and Resource Economics Review, B.E. Journal of Economic Analysis and Policy, Environmental and Resource Economics, Energy Economics, The Energy Journal, European Economic Review, Journal of Economic Behavior and Organization, Journal of Environmental Management,*

*Journal of Environmental Economics and Management, Journal of Environmental Planning and Management, Journal of Policy Analysis and Management, Journal of Real Estate Finance and Economics, Journal of Regional Science, Journal of Regulatory Analysis, Land Economics, National Science Foundation, N.C. SeaGrant, Public Finance Review, Resource and Energy Economics, Resource and Energy Economics, Review of Economics and Statistics, U.S. Environmental Protection Agency, Urban Studies, Water Resources Research.*