

NICOLAI V. KUMINOFF

January 2024

Economics Department
Main Campus
PO BOX 879801
Tempe, AZ 85287-9801

Email: kuminoff@asu.edu
Online: [Webpage](#) [Google Scholar](#)

EDUCATION	DEGREE	YEAR	DISCIPLINE
North Carolina State University	Ph.D.	2006	Economics
University of California, Davis	M.S.	2000	Agricultural and Resource Economics
University of California, Davis	B.S.	1999	Agricultural and Resource Economics

PRIMARY APPOINTMENT

2016-present Associate Professor, Arizona State University, Economics Department
2009-2016 Assistant Professor, Arizona State University, Economics Department
2006-2009 Assistant Professor, Virginia Tech, Agricultural and Applied Economics Department

SECONDARY APPOINTMENTS

2021-present Affiliate, NBER Center for Aging and Health
2016-present NBER Research Associate (EEE)
2016-present Senior Global Futures Scientist, Julie Ann Wrigley Global Futures Laboratory @ ASU
2015-2016 NBER Faculty Research Fellow (EEE)
2009-present Affiliate, Center for Environmental Economics and Sustainability Policy @ ASU

AWARDS AND FELLOWSHIPS

Outstanding Graduate Teaching Award, Arizona State University, 2021
Dean's Excellence in Research Award, Arizona State University 2017, 2019, 2020, 2021
Dean's Council of 100 Distinguished Scholar, Arizona State University, 2013
JARE Outstanding Journal Article Award, 2009
David C. Lincoln Fellowship, Lincoln Institute of Land Policy, 2009
Young Professional Travel Award, Australian Agricultural and Resource Economics Society, 2007
Outstanding Dissertation Honorable Mention, American Agricultural Economics Association, 2007
National Science Foundation, Doctoral Dissertation Research Improvement Fellowship, 2005

EDITORIAL ACTIVITIES

Editor—*Journal of the Association of Environmental and Resource Economists* (2022-present)
Co-Editor—*Journal of the Association of Environmental and Resource Economists* (2020-2021)
Board of Editors—*Review of Environmental Economics and Policy* (2021-present)
Editorial Council—*Journal of the Association of Environmental and Resource Economists* (2014-2020)
Editorial Council—*Journal of Environmental Economics and Management* (2013-2023)

PUBLICATIONS

- Bishop, Kelly C., Nicolai V. Kuminoff, Sophie M. Mathes, and Alvin D. Murphy. 2024. "The Marginal Cost of Mortality Reduction: Evidence from Housing Markets." [NBER Working Paper #29622](#). *Forthcoming in Journal of Urban Economics*.
- Kuminoff, Nicolai V. and Sophie M. Mathes. 2024. "Residential Sorting, Local Environments, and Human Capital." [WP](#). *Forthcoming in Regional Science and Urban Economics*.
- Bishop, Kelly C., Jonathan D. Ketcham and Nicolai V. Kuminoff. 2023. "Hazed and Confused: The Effect of Air Pollution on Dementia" [NBER Working Paper #24970](#). *Review of Economic Studies* 90(5): 2188-2214.
- Bieri, David, Nicolai V. Kuminoff, and Jaren C. Pope. 2023. "National Expenditures on Local Amenities". *Journal of Environmental Economics and Management*. 117: 102717.
- Kuminoff, Nicolai V., Katherine E. Ciaramello, Hanna M. Dooley, Martin Heintzelman, Neha Khanna, Lea-Rachel Kosnik, Lynne Lewis, and Eric Trimble. 2023. "New Evidence on Diversity in Environmental and Resource Economics". *Review of Environmental Economics and Policy*.17(1): 178-187.
- Bayhan, Jude, Gerardo Chowell, Eli P. Fenichel, and Nicolai V. Kuminoff. 2021. "Time Reallocation and the Cost and Benefit of School Closures During an Epidemic". *Frontiers of Economics in China*. 16(2): 263-306.
- Keane, Michael P., Jonathan D. Ketcham, Nicolai V. Kuminoff and Tim Neal. 2021. "Evaluating Consumers' Choices of Medicare Part D Plans." *Journal of Econometrics*. 222(1): 107-140. [NBER Working Paper #25652](#).
- Bishop, Kelly C., Sebha Husain-Krautter, Jonathan D. Ketcham, Nicolai V. Kuminoff and Corbett Schimming. 2021. "Analyzing Individual-Level Secondary Data with Instrumental Variables Methods in Useful for Studying the Effects of Air Pollution on Dementia" *Journal of Alzheimer's Disease*. 79(1): 15-23.
- Bishop, Kelly C., Nicolai V. Kuminoff, H. Spencer Banzhaf, Kevin J. Boyle, Kathrine von Graevenitz, Jaren C. Pope, V. Kerry Smith, and Christopher D. Timmins. 2020. "Best Practices in Using Hedonic Property Value Models for Welfare Measurement." *Review of Environmental Economics and Policy*. 14(2): 260-281.
- Ketcham, Jonathan, Nicolai V. Kuminoff, and Christopher Powers. 2019. "Estimating the Heterogeneous Welfare Effects of Choice Architecture." *International Economic Review*. 60 (3): 1171-1208. [NBER Working Paper #22732](#).
- Kuminoff, Nicolai V. 2018. "Can Understanding Spatial Equilibria Enhance Benefit Transfers for Environmental Policy Evaluation?" *Environmental and Resource Economics* 69(3): 591-608.
- Zhao, Ziaobing, Mason Gerety, and Nicolai V. Kuminoff. 2018. "Revisiting the Temperature-Economic Growth Relationship Using Global Subnational Data." *Journal of Environmental Management*. 223, 537-544.
- Ketcham, Jonathan, Nicolai V. Kuminoff, and Christopher A. Powers. 2016. "Choice Inconsistencies among the Elderly: Evidence from Plan Choice in the Medicare Part D Program: Comment." *American Economic Review* 106(12): 3932-3961.

- Bayham, Jude, Nicolai V. Kuminoff, Quentin Gunn, and Eli P. Fenichel. 2015. "Measured Voluntary Avoidance Behavior During the 2009 A/H1N1 Epidemic." *Proceedings of the Royal Society-B*, 282 (1818), 1-7.
- Kuminoff, Nicolai V., Todd Schoellman, and Christopher Timmins. 2015. "Environmental Regulations and the Welfare Effects of Job Layoffs in the United States: A Spatial Approach." *Review of Environmental Economics and Policy* 9(2): 198-218.
- Zhang, Congwen, Kevin J. Boyle, and Nicolai V. Kuminoff. 2015. "Partial Identification of Amenity Demand Functions." *Journal of Environmental Economics and Management* 71(1), 180-197.
- Kuminoff, Nicolai V. and Jaren C. Pope. 2014. "Do "Capitalization Effects" for Public Goods Reveal the Public's Willingness to Pay?" *International Economic Review* 55(4), 1227-1250.
- Perrings, Charles, Carlos Castillo-Chavez, Gerardo Chowell, Peter Daszak, Eli P. Fenichel, David C. Finnoff, Richard D. Horan, A. Marm Kilpatrick, Ann P. Kinzig, Nicolai V. Kuminoff, Simon A. Levin, Benjamin Morin, Katherine F. Smith, and Michael Springborn. "Merging Economics and Epidemiology to Improve the Prediction and Management of Infections Disease". 2014. *Ecohealth*. 11, 464-475.
- Fenichel, Eli P., Nicolai V. Kuminoff, and Gerardo Chowell. 2013. "Skip the Trip: Air Travelers' Behavioral Responses to Pandemic Influenza." *PLoS-ONE* 8(3): e58249. DOI:10.1371/pone.0058249.
- Kuminoff, Nicolai V., V. Kerry Smith, and Christopher Timmins. 2013. "The New Economics of Equilibrium Sorting and Policy Evaluation Using Housing Markets." *Journal of Economic Literature* 51(4), 1007-1062.
- Kaul, Sapna, Kevin J. Boyle, Nicolai V. Kuminoff, Christopher F. Parmeter, and Jaren C. Pope. 2013. "What Can We Learn from Benefit Transfer Errors? Evidence from 20 Years of Research on Convergent Validity." *Journal of Environmental Economics and Management* 66(1), 90-104.
- Kuminoff, Nicolai V. and Jaren C. Pope. 2013. "The Value of Land and Structures during the Great Housing Boom and Bust." *Land Economics* 89 (1), 1-29.
- Kuminoff, Nicolai V. and Jaren C. Pope. 2012. "A Novel Approach to Identifying Hedonic Demand Parameters." *Economics Letters* 116 (3), 374-376.
- Ciliberto, Federico and Nicolai V. Kuminoff. 2010. "Public Policy and Market Competition: How the Master Settlement Agreement Changed the Cigarette Industry." *B.E. Journal of Economic Analysis and Policy: Frontiers* 10 (1), 1-46.
- Kuminoff, Nicolai V. Christopher F. Parmeter, and Jaren C. Pope. 2010. "Which Hedonic Models Can We Trust to Recover the Marginal Willingness to Pay for Environmental Amenities?" *Journal of Environmental Economics and Management* 60 (3), 145-160.
- Kuminoff, Nicolai V. and Abdul Salam Jarrah. 2010. "A New Approach to Computing Hedonic Equilibria and Investigating the Properties of Locational Sorting Models." *Journal of Urban Economics* 67 (3), 322-335.
- Kuminoff, Nicolai V. and Ada Wossink. 2010. "Why Isn't More U.S. Farmland Organic?" *Journal of Agricultural Economics*, 61 (2), 240-258.
- Kuminoff, Nicolai V., Congwen Zhang, and Jeta Rudi. 2010. "Are Travelers Willing to Pay a Premium to Stay at a "Green" Hotel? Evidence from an Internal Meta-Analysis of Hedonic Price Premia" *Agricultural and Resource Economics Review*, 39 (3), 468-484.

- Boyle, Kevin J., Nicolai V. Kuminoff, Christopher F. Parmeter, and Jaren C. Pope. 2010. "The Benefit Transfer Challenges." *Annual Review of Resource Economics*, 2, 161-182.
- Boyle, Kevin J., Nicolai V. Kuminoff, Congwen Zhang, Michael Devanney, and Kathleen P. Bell. 2010. "Does a Property-Specific Environmental Health Risk Create a "Neighborhood" Housing-Price Stigma? Arsenic in Private Well Water" *Water Resources Research*, 46, W03507, 1-10.
- Bosch, Darrell, Nicolai V. Kuminoff, Kurt Stephenson, Jaren Pope, Anna Harris, and Alex Miller. 2010. "Evaluation of Policy Options for Expanding Oyster Aquaculture in Virginia." *Journal of Aquaculture Economics and Management*, 14 (2), 145-163.
- Boyle, Kevin J., Nicolai V. Kuminoff, Christopher F. Parmeter, and Jaren C. Pope. 2009. "Necessary Conditions for Valid Benefit Transfers." *American Journal of Agricultural Economics*, 91 (5), 1328-1334.
- Kuminoff, Nicolai V. 2009. "Using a Bundled Amenity Model to Estimate the Value of Cropland Open Space and Determine an Optimal Buffer Zone." *Journal of Agricultural and Resource Economics*, 34 (1), 68-90.
- Kuminoff, Nicolai V. 2009. "Decomposing the Structural Identification of Non-Market Values." *Journal of Environmental Economics and Management*, 57 (2), 123-139.
- Monson, Joseph, Denise Mainville, and Nicolai V. Kuminoff. 2008. "The Decision to Direct Market: An Analysis of Small Fruit and Specialty-Product Markets in Virginia." *Journal of Food Distribution Research*, 39 (2), 1-11.
- Mullen, John D., Julian M. Alston, Daniel A. Sumner, Marcia T. Kreith, and Nicolai V. Kuminoff. 2005. "The Payoff to Public Investments in Pest Management R&D: General Issues and a Case Study Emphasizing Integrated Pest Management." *Review of Agricultural Economics*, 27 (4), 558-573.

BOOK CHAPTERS AND OTHER PUBLICATIONS

- Klaiber, H. Allen and Nicolai V. Kuminoff. 2013. "Equilibrium Sorting Models of Land Use and Residential Choice," chapter in the *Oxford Handbook of Land Economics*, edited by Joshua M. Duke and Junjie Wu.
- Kuminoff, Nicolai V. 2007. "Public Policy Solutions to Environmental Externalities from Agriculture," chapter in *The 2007 Farm Bill and Beyond*. edited by Bruce L. Gardner and Daniel A. Sumner. The AEI Press, 2007.
- Mueller, J.P., N.G. Creamer, M. Barbercheck, C.H. Raczkowski, M. Bell, C. Brownie, A. Collins, K. Fager, S. Hu, L. Jackson, S. Koenning, N.V. Kuminoff, M. Linker, F. Louws, S. Mellage, D. Monks, D. Orr, R. Walters, J. Seem, C. Tu, M. Waggoner, A. Wossink and W. Zhang. 2006. "Long-Term, Large-Scale Systems Research Directed Toward Agricultural Sustainability," chapter in *Long-Term Field Experiments in Organic Farming*. J. Raupp, C. Pekrun, M. Oltmanns and U. Köpke. Berlin, Verlag Dr. Köster: 79-99.
- Sumner, Daniel A., Jose E. Bervejillo, and Nicolai V. Kuminoff. 2003. "The Measure of California Agriculture and its Importance in the State's Economy," chapter in *California Agriculture: Dimensions and Issues*, Jerry Siebert, ed. University of California Giannini Foundation of Agricultural Economics, 2003.

Kuminoff, Nicolai V. and Daniel A. Sumner, with George Goldman. 2000. *The Measure of California Agriculture, 2000*, University of California Agricultural Issues Center, 2000.

WORKING PAPERS

Bishop, Kelly C., Jakob Dowling, Nicolai V. Kuminoff, and Alvin D. Murphy. "Tax Policy and the Heterogeneous Costs of Homeownership." [NBER Working Paper #31824](#). *R&R @ Journal of Urban Economics*.

Ketcham, Jonathan D., Kuminoff, Nicolai V., and Nirman Saha. "Valuing Statistical Life Using Seniors' Medical Spending." [WP](#).

OLDER WORKING PAPERS

Nicolai V. Kuminoff. "Partial Identification of Preferences from a Dual Market Sorting Equilibrium."

Back, Danielle., Nicolai V. Kuminoff, Scott van Buren, and Eric van Buren. "National Evidence on Air Pollution Avoidance Behavior."

INVITED SEMINARS

Arizona State University (2009). Brigham Young University (2015). Boston College (2017). Brown (2008). Carnegie Mellon University & University of Pittsburg (2022). Colorado School of Mines (2017). Cornell (2014). Environmental Defense Fund (2018). EPA National Center for Environmental Economics (2005). Georgia State University (2014). Georgetown University (2021). Harvard (2013). Hong Kong Polytechnic University (2019). Iowa State University (2016). Jinan University (2019). London School of Economics (2017). Michigan State University (Applied Economics, 2020. Economics 2016). Northern Arizona University (2016). Ohio State University (2014). Oxford (2017). Penn State University (2015). Resources for the Future (2012, 2017). Stanford (2019). Tinbergen Institute (2017). TREE seminar (joint w/Duke, NC State, and Research Triangle Institute, 2013). University of Arizona (Economics, 2015. Public Policy, 2016). University of Birmingham (2021). University of Miami (2015). University of Minho (2008, 2017), University of British Columbia (2018). University of Calgary (2012, 2016). University of Chicago (2017). UC Berkeley (2006, 2018). UC Davis (2006, 2017). UC Santa Barbara (2015). UC San Diego (2013). University of Connecticut (2022). University of Copenhagen (2015, 2017). University of Georgia (2021). University of Hawai'i-Manoa (2021). University of Illinois Urbana-Champaign (2021). University of Kansas (2019). University of Kentucky (2018). University of Maryland (2012, 2016). University of Minnesota (2008). University of Queensland (2022). University of Rochester (2012). University of Southern California (2019). University of Tennessee (2006). University of Toronto (2018). University of Wisconsin (2016). University of Wyoming (2006). Virginia Tech (2006, 2017). Washington University in St. Louis (2010). Yale (2014, 2017).

CONFERENCE PRESENTATIONS AND INVITED DISCUSSIONS

American Agricultural Economics Association summer meeting (2001, 2005, 2009). American Economic Association winter meeting (2009, 2011, 2013, 2014, 2015, 2016, 2017, 2019, 2021, 2022, 2023, 2024). Atlantic workshop on energy and environmental economics (2016). Australian Agricultural and Resource Economics Society winter meeting (2008). American Enterprise Institute workshop on farm bill reform (2007). Association of Environmental and Resource Economists summer meeting (2011, 2013, 2016, 2019). Arizona State University workshop on health economics (2015). Camp Resources (2003, 2005). Copenhagen workshop on equilibrium sorting models of residential choice (2015). Council on Food, Agricultural and Resource Economics (2022). Duke workshop on housing market dynamics (2010). Econometric society summer meeting (2011). EPA workshop on employment effects of environmental regulations (2012). EPA workshop on benefit transfer

(2016). European Association of Environmental and Resource Economists summer meeting (2019). Heartland Environmental and Resource Economics workshop (2017). IZA/University of Duisburg workshop on economics of long-term care and healthy aging (2020). JEEM inaugural conference in environmental and resource economics (2018). Journal of Econometrics workshop on auctions and games (2007). Lincoln Institute of Land Policy fellowship symposium (2010). Northeast workshop on energy policy and environmental economics (2015). NBER summer institute on environmental and energy economics (2011, 2015, 2017, 2021, 2023). Online Spatial and Urban Seminar (2023). Princeton workshop on economics of infectious diseases (2014). RIDGE environmental economics workshop (2020). RFF workshop on retrospective analysis of environmental policy (2022). Society of Benefit-Cost Analysis annual meeting (2021, 2022). Society of Benefit-Cost Analysis workshop on valuing nonmarket benefits (2023). Southern Economic Association annual meeting (2019). UC Davis conference on agri-environmental services (2007). UC Santa Barbara occasional conference on environmental and resource economics (2017, 2019). UCLA conference on environmental and urban economics (2015). University of Arizona workshop on environmental and energy policy (2012, 2016). W2133 workshop on nonmarket valuation (2010). World Congress of Environmental and Resource Economists (2010, 2018).

FUNDED RESEARCH

Predicting Residential Price Plan Enrollment and Energy Use. Principal Investigator. 2023-2024. Salt River Project, \$50,042 (with Nicholas Vreugdenhil)

Saving Seniors' Lives: Comparing the Efficiency and Equity of Medicare and the Clean Air Act. Principal Investigator. 2021-2023. National Science Foundation, \$300,000 (with Kelly Bishop and Jonathan Ketcham)

Retrospective Analysis of the Health Benefits to Seniors from Regulating Fine Particulate Matter. Principal Investigator. 2021-2022. US Environmental Protection Agency, \$24,998 (with Kelly Bishop, Jonathan Ketcham and Nirman Saha)

Cognitive Decline and Health Insurance Decisions and Outcomes. Principal Investigator. 2021. National Institute of Aging, \$94,882 (with Kelly Bishop and Jonathan Ketcham)

Who Bears the Damages from Air Pollution's Effect on Dementia? Principal Investigator. 2019-2020. National Institute of Aging, \$131,865 (with Kelly Bishop and Jonathan Ketcham)

Identifying Winners and Losers Under Proposals to Simplify Drug Plan Choice in Medicare Part D. Co-PI. 2014. National Institute of Health Care Management, \$49,844 (with Jonathan Ketcham)

Modeling Anthropogenic Effects in the Spread of Infectious Diseases. Senior Investigator. 2012-2015. National Institute of Health, \$1,600,000. (with Charles Perrings, Eli Fenichel, Simon Levin, Peter Daszak, David Finoff, Katherin Smith, A Kilpatrick, Rick Horan, Mike Springborn, Carlos Castillo-Chavez, Gerardo Chowell-Puente, and Ann Kinzig)

Boom-Bust Implications for Land Value Taxation. Co-PI. 2009-2010. Lincoln Land Institute, \$30,000. (with Jaren Pope)

Validation of Benefit Transfer Functions. Co-PI. 2007-2008. Environmental Protection Agency, \$199,986. (with Kevin Boyle, Chris Parmeter, and Jaren Pope)

Economics of Oyster Aquaculture in Virginia. Co-PI. 2008. Virginia Dept. Environmental Quality, \$66,000. (with Darrell Bosch, Jaren Pope, and Kurt Stephenson)

Recovering Preferences from a Dual-Market Locational Equilibrium. Co-PI. 2005. National Science Foundation, \$7,615. (with V. Kerry Smith)

ADVISING AND INITIAL PLACEMENT (♦ = chair or co-chair)

PH.D. STUDENTS

Juhee Bae (Assistant Professor, University of Glasgow Economics Dept.). Sayahnika Basu ♦ (Post-doc, UC San Diego Economics Dept.). Jackie Bonabana-Wabbi (Assistant Professor, Makerere University Economics Dept.). Jakob Dowling ♦ (Amazon). Sapna Kaul (Post-doc, University of Utah School of Medicine). Luis Fernandez (Post-doc, Resources for the Future). Sophie Mathes ♦ (Assistant Professor, FGV Rio, Economics and Finance Dept.). Jorge Mesias Moreno (Keystone Strategy). Juan Odriozola (CAF Development Bank of Latin America). Xingyi Puckett (Optimal Solutions Group). Nirman Saha ♦ (Assistant Professor, University of Surrey Economics Dept.). Tomas Sanguinetti ♦ (Director of Modeling, Essent Guaranty, Inc.). Chuan Tang (Post-doc, Iowa State University Economics Dept.). Ran Tao (Assistant Professor, NEOMA Business School). Golnaz Taghvatalab (Assistant Professor, University of Central Michigan Economics Dept.). Tanisa Tawichsri (Senior Researcher, PIER Thailand). Felipe A. Gomez Trejos (Assistant Professor, Tulane University). Sajad Vahedi (IMPAQ International). Andrew Waxman (Assistant Professor, Arizona State University, School of Public Policy). Congwen Zhang (Philadelphia Works).

MASTERS STUDENTS

Robert Andrade (Ph.D. program, University of Minnesota, Applied Economics). Michael Castelhana (Ph.D. program, UC Davis, Ag. and Applied Economics). Anna Harris ♦ (U.S. Department of Wildlife and Fisheries). Jason Maupin (USAA Financial Planning). Nilam Prasai (International Food Policy Research Institute).

UNDERGRADUATE STUDENTS

Brandon Anderson (Maxim Integrated Products). Joseph Angel (Masters program, Statistics, Arizona State University). Danielle Back ♦ (Harvard Medical School). Fausto Burruel ♦ (Research Analyst, AZ Senate). Eric van Buren ♦ (Ph.D. program, University of North Carolina, Biostatistics). Scott van Buren ♦ (Ph.D. program, University of North Carolina, Biostatistics). Scott Callahan (Ph.D. program, NC State University, Economics). Katherine Ciaramello (US Department of State). Quentin Gunn ♦ (Segal Consulting). Laura Herman (APS Electric Company). Christian Hilgemann (San Francisco Fed). Leah Luben (Innovations for Poverty Action). Danny Ober-Reynolds (Virginia FED). Jack Mann (Nationwide insurance). Christos Makridis (Ph.D. program, Stanford University, Management Science and Economics). Ryan McKenna (Boston College Law School). Luke Rodriguez (Culdesac). Adam Streff (Research assistant, University of Pennsylvania, Wharton).

SELECTED SERVICE ACTIVITIES

REFEREE

American Economic Review, Econometrica, Journal of Political Economy, Review of Economic Studies, Quarterly Journal of Economics, International Economic Review, Quantitative Economics, Review of Economics and Statistics, AEJ-Policy, AEJ-Applied, AER-Insights, Journal of the Association of Environmental and Resource Economists, Journal of Environmental Economics and Management, Journal of Econometrics, Journal of the European Economic Association, Journal of Public Economics, Journal of Urban Economics, Journal of Human Resources, Journal of Health Economics, Land Economics, American Journal of

Agricultural Economics, Environmental and Resource Economics, Resource and Energy Economics, Review of Environmental Economics and Policy, PNAS, and others.

AD HOC REVIEWER FOR FUNDING AGENCIES, UNIVERSITIES, AND OTHER ORGANIZATIONS

Alfred P. Sloan Foundation (grant review)
National Science Foundation (grant review)
Oak Ridge Associated Universities (grant review)
MIT Press (external peer review)
University of California Press (external peer review)
Environmental Defense Fund (external peer review)
London School of Economics (external Ph.D. examiner)
University of Copenhagen Economics Department (external Ph.D. examiner)
University of Toronto Economics Department (external Ph.D. examiner)
Program Committee for American Real Estate and Urban Economics Association Conference (2024)

GOVERNMENT AGENCIES

U.S. EPA Science Advisory Board, Benefit Methods Review Panel (2022-2023)
U.S. Dept. of Transportation, Review Panel for Guidelines in Estimating Livability Benefits (2015)
U.S. EPA, external reviewer – Handbook on Costs and Benefits of Land Use Cleanup and Reuse (2011)
U.S. EPA, external reviewer – study on housing market benefits of land cleanup (2010)
Virginia Dept. of Environmental Quality, external reviewer – study on benefits of Mercury regulation (2008)

ASSOCIATION OF ENVIRONMENTAL AND RESOURCE ECONOMISTS (AERE)

Board of Directors – Secretary (2019-2024)
Committee on Diversity, Equity, and Inclusion (2020-2023)
Best Paper Award Committee, *Journal of the Association of Environmental and Resource Economists* (2023)
Search Committee, Editor of the *Review of Environmental Economics and Policy* (2022)
Organizing Committee for AERE @ ASSA sessions (2015-2017)
Program Committee for AERE summer conference (2011-2024)

ARIZONA STATE UNIVERSITY

Department of Economics Personnel Committee (2018, 2021-2024)
Department of Economics Recruiting Committee (2010, 2012, 2014, 2016, 2021)
Department of Economics Graduate Committee (2018-2024)
Department of Economics Masters Program Committee (2022-2024)
Department of Economics Undergraduate Committee (2011-2013, 2022-2024)
Organizer — Arizona Conference on Environment, Natural Resource and Energy Economics (2023)
Co-organizer — Economics Department Conference on Advances in Environmental Economics (2016)
Co-organizer — Environment, Natural Resource and Energy Economics Seminar (2011-2019)