

## H. Allen Klaiber

Department of Agricultural, Environmental and Development Economics

The Ohio State University

333 Agricultural Administration Bldg.

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### PROFESSIONAL APPOINTMENTS

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#### **The Ohio State University**, Department of Agricultural, Environmental and Development Economics

Professor, Environmental and Resource Economics	June 2019 – Present
Graduate Studies Chair	July 2017 – Present
Associate Professor, Environmental and Resource Economics	September 2014 – May 2019
Assistant Professor, Environmental and Resource Economics	September 2011 – August 2014

#### **University of Natural Resources and Life Sciences (BOKU)**, Vienna Austria

Fulbright Scholar	February 2019 – July 2019
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#### **The Pennsylvania State University**, Department of Agricultural Economics and Rural Sociology

Assistant Professor, Environmental and Resource Economics	September 2009 – August 2011
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#### **Arizona State University**

Postdoctoral Fellow (Advisor: VK Smith)	September 2008 - August 2009
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#### **North Carolina State University**, Department of Agricultural and Resource Economics

Graduate Research Assistant (Advisors: MT Holt, DJ Phaneuf)	August 2003 - August 2008
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### EDUCATION

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#### **North Carolina State University**, Raleigh, North Carolina, USA

B.S., Computer Science ( <i>SUMMA CUM LAUDE</i> )	August 2000 - May 2003
M.E., Economics	August 2003 - May 2005
Ph.D., Economics (Advisor: DJ Phaneuf)	August 2003 - December 2008

### PUBLICATIONS (STUDENT CO-AUTHOR INDICATED BY \*)

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#### PEER-REVIEWED JOURNAL ARTICLES

1. **Klaiber, HA** and Holt, MT, "The Role of Theoretical Restrictions in Forecasting with Inverse Demand Models." AMERICAN JOURNAL OF AGRICULTURAL ECONOMICS. Vol. 92, no. 1: 70-85. 2010.

2. **Klaiber, HA** and Phaneuf, DJ, "Valuing Open Space in a Residential Sorting Model of the Twin Cities." JOURNAL OF ENVIRONMENTAL ECONOMICS AND MANAGEMENT. Vol. 60, no. 2: 57-77. 2010. Lead article.
3. Abbott, JK and **Klaiber, HA**, "Is All Space Created Equal? Uncovering the Relationship between Competing Land Uses in Subdivisions." ECOLOGICAL ECONOMICS. Vol. 70, no. 2: 296-307. 2010. (authorship equally shared)
4. Abbott, JK and **Klaiber, HA**, "An Embarrassment of Riches: Confronting Omitted Variable Bias and Multiscale Capitalization in Hedonic Price Models." REVIEW OF ECONOMICS AND STATISTICS. Vol. 93, no. 4: 1331-1342. 2011. (authorship equally shared)
5. **Klaiber, HA** and Smith, VK, "Developing General Equilibrium Benefit Analyses for Social Programs: An Introduction and Example." JOURNAL OF BENEFIT-COST ANALYSIS. Vol. 3, no. 2: 52. 2012.
6. Abbott, JK and **Klaiber, HA**, "The Value of Water as an Urban Club Good: A Matching Approach to Community-Provided Lakes." JOURNAL OF ENVIRONMENTAL ECONOMICS AND MANAGEMENT. Vol. 62, no. 2: 208-224. 2013. (authorship equally shared)
7. **Klaiber, HA** and Smith, VK, "Quasi Experiments, Hedonic Models, and Estimating Tradeoffs for Local Amenities." LAND ECONOMICS. Vol. 89: 413-431. 2013.
8. Smith, VK, Mansfield, C and **Klaiber, HA**, "Terrorist Threats, Information Disclosures, and Consumer Sovereignty." INFORMATION ECONOMICS AND POLICY. Vol. 25: 225-234. 2013.
9. **Klaiber, HA**, Smith, VK, Kaminsky\*, M and Strong. "Measuring Price Elasticities for Residential Water Demand with Limited Information." LAND ECONOMICS Vol. 90: 100-113. 2014.
10. Gopalakrishnan, S and **Klaiber, HA**, "Is the Shale Boom a Bust for Nearby Residents? Evidence from Housing Values in Pennsylvania." AMERICAN JOURNAL OF AGRICULTURAL ECONOMICS. Vol. 96, no. 1: 43-66. 2014. (authorship equally shared)
11. Connolly\*, C and **Klaiber, HA**, "Does Organic Command a Premium When the Food is Already Local?" AMERICAN JOURNAL OF AGRICULTURAL ECONOMICS. Vol. 96, no. 4: 1102-1116. 2014.
12. **Klaiber, HA**, "Migration and Household Adaptation to Climate: A Review of Empirical Research." ENERGY ECONOMICS. Vol. 46: 539-547. 2014.
13. Livy\*, M and **Klaiber, HA**. "Maintaining Public Goods: The Capitalized Value of Local Park Renovations." LAND ECONOMICS. Vol. 92, no. 1: 96-116. 2016.
14. Fan\*, Q, **Klaiber, HA** and Fisher-Vanden, K. "Does Extreme Weather Drive Interregional Brain Drain in the U.S.? Evidence from a Sorting Model." LAND ECONOMICS. Vol. 92, no 2: 363-388. 2016.
15. Goodenberger\*, JS and **Klaiber, HA**. "Evading Invasives: How Eurasian Water-Milfoil Affects the Development of Lake Properties." ECOLOGICAL ECONOMICS. Vol. 127: 173-184. 2016.

16. Taylor, MR, **Klaiber, HA** and Kuchler, F. "Changes in U.S. Consumer Response to Food Safety Recalls in the Shadow of BSE." *FOOD POLICY*. Vol. 62: 56-64. 2016
17. Wrenn, DH, **Klaiber, HA** and Jaenicke, T. "Unconventional Shale Gas Development, Risk Perceptions, and Averting Behavior: Evidence from Bottled Water Purchases." *JOURNAL OF THE ASSOCIATION OF ENVIRONMENTAL AND RESOURCE ECONOMISTS*. Vol. 3, no. 4: 779-817. 2016. Lead article.
18. Davlasheridze\*, M, Fisher-Vanden, K and **Klaiber, HA**. "The Effects of Adaptation Measures on Hurricane Induced Property Losses." *JOURNAL OF ENVIRONMENTAL ECONOMICS AND MANAGEMENT*. Vol. 81: 93-114. 2017.
19. **Klaiber, HA**, Gopalakrishnan, SG and Hasan\*, S. "Missing the Forest for the Trees: Balancing Shale Exploration and Conservation Goals through Policy." *CONSERVATION LETTERS*. Vol. 10, no 1: 153-159. 2017.
20. Wrenn, DH, **Klaiber, HA** and Newburn, DA. "Confronting Price Endogeneity in a Duration Model of Residential Subdivision Development." *JOURNAL OF APPLIED ECONOMETRICS*. Vol. 32: 661-682. 2017.
21. Wolf\*, D and **Klaiber, HA**. "Bloom and Bust: Toxic Algae's Impact on Nearby Property Values." *ECOLOGICAL ECONOMICS*. Vol. 135: 209-221. 2017.
22. **Klaiber, HA**, Salhofer, K and Thompson, SR. "Capitalisation of the SPS into Farmland Rental Rates under the 2013 CAP Reform." *JOURNAL OF AGRICULTURAL ECONOMICS*. Vol. 68: 710-726. 2017.
23. Wolf\*, D, Georgie\*, W and **Klaiber, HA**. "Reeling in the Damages: Harmful Algal Blooms' Impact on Lake Erie's Recreational Fishing Industry." *JOURNAL OF ENVIRONMENTAL MANAGEMENT*. Vol. 199: 148-157. 2017.
24. **Klaiber, HA**, Abbott, JK and Smith, VK. "Some Like it (Less) Hot: Joint Valuation of the Urban Heat Island and Cooling Vegetation in an Arid City." *JOURNAL OF THE ASSOCIATION OF ENVIRONMENTAL AND RESOURCE ECONOMISTS*. Vol. 4: 1053-1079. 2017.
25. Irwin\*, NB, **Klaiber, HA** and Irwin, EG. "Do Stormwater Basins Generate Co-Benefits? Evidence from Baltimore County, Maryland." *ECOLOGICAL ECONOMICS*. Vol. 141: 202-212. 2017.
26. Towe, C, **Klaiber, HA** and Wrenn, D. "Not My Problem: Growth Spillovers from Uncoordinated Land Use Policy." *LAND USE POLICY*. Vol. 67: 679-689. 2017.
27. Hasan\*, S, Faggian, A, **Klaiber, HA** and Sheldon, I. "Agglomeration Economies or Selection? An Analysis of Taiwanese Science Parks." *INTERNATIONAL REGIONAL SCIENCE REVIEW*. Vol. 41 (3): 335-363. 2018.
28. Livy\*, M, Gopalakrishnan, S, **Klaiber, HA**, Roe, B. "The Impact of Intensity on Risk Perceptions of Unconventional Shale Gas Development." *JOURNAL OF ENVIRONMENTAL MANAGEMENT*. Vol. 218: 630-638. 2018.

29. Fan, Q, Fisher-Vanden, K and **Klaiber, HA**. "Climate Change, Migration, and Regional Economic Impacts in the U.S." JOURNAL OF THE ASSOCIATION OF ENVIRONMENTAL AND RESOURCE ECONOMISTS. Vol 5: 643-671. 2018. Editor's Choice Article.
30. Connolly\*, C, Livy\*, M., Qiu\*, Y. and **Klaiber, HA**. "Capitalization of Interconnected Active Transportation Infrastructure." LANDSCAPE AND URBAN PLANNING. Vol. 182:67-78. 2019.
31. Xu\*, S and **Klaiber, HA**. "The Impact of Natural Gas Pipelines on Emissions and Fuel Consumption in China." RESOURCE AND ENERGY ECONOMICS. Vol 55:49-62. 2019.
32. **Klaiber, HA** and von Haefen, R. "Do Random Coefficients and Alternative Specific Constants Improve Policy Analysis? An Empirical Investigation of Model Fit and Prediction." ENVIRONMENTAL AND RESOURCE ECONOMICS. Vol 73:75-91. 2019.
33. Connolly\*, C and **Klaiber, HA**. "Competition in Local Foods Markets." JOURNAL OF AGRICULTURAL AND RESOURCE ECONOMICS. Vol 44:328-344. 2019.
34. Dong\*, X and **Klaiber, HA**. "The Energy and Carbon Costs of Consumer Stockpiling in Response to the EISA "Light Bulb Ban." ENERGY ECONOMICS. Vol 81:566-576. 2019.
35. Wolf\*, D, Chen\*, W, Gopalakrishnan, SG, Haab, T, **Klaiber, HA**. "The Impact of Algae on Recreation Behavior." LAND ECONOMICS. Vol 95(4). 2019.
36. **Klaiber, HA**, Newburn, D and Wrenn, D. "Price Based Policies for Managing Residential Development and Impacts on Water Quality." RESOURCE AND ENERGY ECONOMICS. Vol 58. 2019.
37. Wrenn, DH and **Klaiber, HA**. "Space and Time: A Competing Risks Analysis of the Impact of Property Taxes and Zoning Restrictions on Residential Development." INTERNATIONAL ECONOMIC REVIEW. Vol 60(3): 1097-1130. 2019.
38. Hasan\*, S, Sheldon, I and **Klaiber, HA**. "The Impact of Science Parks on Small and Medium-Sized Enterprises' Productivity Distributions: The Case of Taiwan and South Korea." SMALL BUSINESS ECONOMICS. Vol 54: 135-153. 2020.
39. Plakias, Z, **Klaiber, HA** and Roe, BR. "Heterogeneity in Local Foods Offering by Farm-To-School Districts in the U.S." JOURNAL OF AGRICULTURAL AND RESOURCE ECONOMICS. Vol 45: 232-242. 2020.
40. Qiu\*, Y., Gopalakrishnan, SG, **Klaiber, HA** and Li\*, X. "Dredging the Sand Commons: The Economic and Geophysical Drivers of Beach Nourishment." CLIMATIC CHANGE. Vol 162: 363-383. 2020.
41. Goodenberger\*, JS, Gopalakrishnan, S and **Klaiber, HA**. "The Optimal Control of Invasive Species with Heterogeneous Carrying Capacities and Intensities." JOURNAL OF ENVIRONMENTAL MANAGEMENT. Vol 270. 2020.
42. Chen\*, W and **Klaiber, HA**. "Does Road Expansion Help Mitigate Congestion in China? An Evaluation of Vehicle-Kilometers Traveled." JOURNAL OF ENVIRONMENTAL ECONOMICS AND MANAGEMENT. Vol 104. 2020.

43. **Klaiber, HA** and Morawetz, UB. "The Welfare Impacts of Large Urban Noise Reductions: Implications from Household Sorting in Vienna." *ENVIRONMENTAL AND RESOURCE ECONOMICS*. Vol 78 (1): 121-146. 2021.
44. Dong\*, X and **Klaiber, HA**. "Local Brand Entry and Incumbent Variety Response: Evidence from the Ice Cream Market." *AGRICULTURAL AND RESOURCE ECONOMICS REVIEW*. Vol 50 (2): 296-314. 2021.
45. Towe, C, **Klaiber, HA**, Maher, J., and Georgic\*, W. "A Valuation of Restored Streams Using Repeat Sales." *ENVIRONMENTAL AND RESOURCE ECONOMICS*. Vol 80: 199-219. 2021.
46. Livy\*, MR and **Klaiber, HA**. "Equilibrium Outcomes and Amenity Valuation in a Multi-Spatial Residential Sorting Framework." *LAND ECONOMICS*. Vol 97 (3): 509-527. 2021.
47. Wolf\*, D and **Klaiber, HA**. "Willingness to Pay in Hedonic Pricing Models." *OXFORD RESEARCH ENCYCLOPEDIA OF ECONOMICS AND FINANCE*. 2021.
48. Georgic\*, W. and **Klaiber, HA**. "A Flood of Construction: The Role of Levees in Urban Floodplain Development." *LAND ECONOMICS*. Vol 98: 78-97. 2022.
49. Chen\*, W, Flatnes, J, Miteva, D and **Klaiber, HA**. "The Impact of Deforestation on Nature-Based Recreation: Evidence from Citizen Science Data in Mexico." *LAND ECONOMICS*. Vol 98: 22-40. 2022.
50. Georgic\*, W and **Klaiber, HA**. "Stocks, Flows, and Flood Insurance: A Nationwide Analysis of the Capitalized Impact of Annual Premium Discounts on Housing Values." *JOURNAL OF ENVIRONMENTAL ECONOMICS AND MANAGEMENT*. Vol 111: 102567. 2022.
51. Wolf\*, D, Gopalakrishnan, SG, **Klaiber, HA**. "Staying Afloat: The Effect of Algae Contamination on Lake Erie Housing Prices." *AMERICAN JOURNAL OF AGRICULTURAL ECONOMICS*. Vol 104 (5): 1701-1723. 2022.
52. Morawetz, UB. And **Klaiber, HA**. "Does housing policy impact income sorting near urban amenities? Evidence from Vienna, Austria." *THE ANNALS OF REGIONAL SCIENCE*. Vol 69: 411-454. 2022.
53. Wolf\*, D, **Klaiber, HA**, Gopalakrishnan, S. "Beyond Marginal: Estimating the Demand for Water Quality." *RESOURCE AND ENERGY ECONOMICS*. Vol. 68: 101299. 2022.
54. Xu\*, S, **Klaiber, HA** and Miteva, D. "Impacts of Forest Conservation on Local Agricultural Labor Supply: Evidence from the Indonesian Forest Moratorium." *AMERICAN JOURNAL OF AGRICULTURAL ECONOMICS*. Vol 105 (3): 940-965. 2023.
55. Dong\*, X, **Klaiber, HA**, Plakias, Z. "I Scream, You Scream, We all Scream for Local Ice Cream: Consumer Preferences for Locally Processed Foods." *AGRIBUSINESS*. Vol. 39 (1): 51-64. 2023.
56. Liu\*, Y. and **Klaiber, HA**. "Don't Drink the Water! The Impact of Harmful Algal Blooms on Household Averting Expenditure." *ENVIRONMENTAL AND RESOURCE ECONOMICS* Vol. 86:29-55. 2023
57. Panchalingam\* T, Roe, B, Howard, G, **Klaiber, HA**. "Food Choice Behavior of Adolescent under Parent-Child Interaction in the Context of US School Lunch Programs." *FOOD POLICY*. Vol 115: 102420. 2023.

58. Connolly, C and **Klaiber, HA**. "The Impact of Healthy and Local Food on Residential Location Choice." LAND ECONOMICS. Forthcoming.
59. Li\*, X., Gopalakrishnan, SG, and **Klaiber, HA**. "To Build or Not to Build: Examining Coastal Vulnerability via Residential Development in North Carolina." JOURNAL OF THE ASSOCIATION OF ENVIRONMENTAL AND RESOURCE ECONOMISTS. Forthcoming.
60. Morawetz, UB, Klaiber, HA, and Zhao\*, H. "The Impact of Traffic Noise on the Capitalization of Public Walking Area: A Hedonic Analysis of Vienna, Austria." JOURNAL OF ENVIRONMENTAL MANAGEMENT. Forthcoming.

#### PAPERS IN PROCEEDINGS AND BULLETINS (LIGHT/NO PEER REVIEW)

1. **Klaiber, HA** and Phaneuf, DJ. "Do Sorting and Heterogeneity Matter for Open Space Policy Analysis? An Empirical Comparison of Hedonic and Sorting Models" AMERICAN JOURNAL OF AGRICULTURAL ECONOMICS. Vol. 91: 1312-1318. 2009.

#### BOOK CHAPTERS

1. **Klaiber, HA** and Smith, VK. "Preference Heterogeneity and Non-Market Benefits: The Roles of Structural Hedonics and Sorting Models." In International Handbook on Non-Market Environmental Valuation. Edited by Bennett, Jeff. Northampton: Edward Elgar. 2011.
2. **Klaiber, HA** and Smith, VK. "Developing General Equilibrium Benefit Analyses for Social Programs: An Introduction and Example." In Principles and Standards for Benefit–Cost Analysis. Edited by: Farrow, S. and Zerbe, R. Northampton: Edward Elgar Publishing Inc. 194-246. 2013.
3. **Klaiber, HA** and Kuminoff, NV. "Equilibrium Sorting Models of Land Use and Residential Choice." In Oxford Handbook of Land Economics. Edited by Duke, J and Wu, J. New York: Oxford University Press. 2014. (authorship equally shared)
4. Irwin, EG, Grove, JM, Irwin, NB, **Klaiber, HA**, Towe, C, and Troy, A. "Effects of Disamenities and Amenities on Housing Markets and Locational Choices." In Science for the Sustainable City: Empirical Insights from the Baltimore School of Urban Ecology. Edited by Steward T. A. Pickett, Mary L. Cadenasso, and J. Morgan Grove. Yale University Press. 2019.
5. Smith, VK, Mansfield, C and **Klaiber, HA**. "Terrorist Threats, Information Disclosures, and Consumer Sovereignty." The Economics of Environmental Risk. Edited by V. Kerry Smith. Edward Elgar Publishing Limited. 2022.

#### UNDER REVIEW

1. Morawetz, UB. and **Klaiber, HA**. "Rent Control and Neighborhood Income. Evidence from Vienna, Austria." In Review.

2. Chen\*, W., **Klaiber, HA** and Miteva, DA. "Compensating Differentials of Rents, Wages and Agricultural Returns. The Quality of Life among Indonesian Regencies and Cities." In Review.
3. Zhao\*, H. and **Klaiber, HA**. "A Day at the Park: How COVID-19 Impacted Park Amenity Valuation." In Review.
4. Hua\*, J, Wrenn, DH, and **Klaiber, HA**. "Farmland Conservation and Additionality in the Face of Urbanization." In Review.
5. Morawetz, UB and **Klaiber, HA**. "Regression Analysis with Independent Variables in Shares." In Review.
6. Liu, J, Chen, W and **Klaiber, HA**. "Breath of the City: Unraveling the Economic Impact of Air Pollution on Housing Prices in Beijing." In Review.

## WORKING PAPERS

1. Sigle\*, J and Klaiber, HA. "The Capitalization Effect of Scenic River Designation."
2. Hua\*, J., **Klaiber, HA** and Wrenn, DH. "The Impact of Agricultural Land Markets on New Housing Development."
3. Li\*, X., **Klaiber, HA**, and Gopalakrishnan, SG. "Community Resilience to Natural Disasters: The Effects of Environmental Changes on Homeownership Rate and Community Quality."
4. Wolf\*, D, Gopalakrishnan, SG and **Klaiber, HA**. "Does Heterogeneity within the Second-Stage Matter? Recovering Water Quality Demand Functions using a Nationwide Housing Database."
5. Dong\*, X, Wu\*, H, Gopalakrishnan, SG, **Klaiber, HA** and Wrenn, D. "The Hidden Carbon Costs of Land Use Change from Shale Development."
6. Abbott, JK, **Klaiber, HA** and Smith, VK, "Economic Behavior, Market Signals, and Urban Ecology."
7. **Klaiber, HA** and Smith, VK. "Valuing Incremental Highway Capacity in a Network."
8. **Klaiber, HA** and Phaneuf, DJ. "Linking Demand and Supply in a Housing Market Sorting Model."

## TEACHING

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### The Ohio State University

Applied Demand Analysis (AEDECON 803)	Spring 2012
Environmental and Resource Economics (AEDECON 4310)	Fall 2012-2021
Benefit Cost Analysis (AEDECON 5330)	Fall 2012-2015
Benefit Cost Analysis (AEDECON 6330)	Fall 2016-2019
Advanced Environmental Economics (AEDECON 7310)	Fall 2013-2017
Advanced Resource Economics (AEDECON 7320)	Spring 2017
Advanced Applied Econometrics (AEDECON 8102)	Fall 2020
Nonmarket Valuation (AEDECON 8302)	Fall 2021

**University of Natural Resources and Life Sciences (BOKU), Vienna**

Urban Economics, Amenities and Policy	Spring 2019
Valuation Methods of Natural Resources	Spring 2019

**The Pennsylvania State University**

Applied Discrete Choice Analysis (AEREC 597C)	Spring 2010
Land Use Dynamics (CED 309)	Fall 2010
Env & Nat Resource Econ (AEREC 541)	Fall 2010
Applied Welfare Analysis (AEREC 597A)	Spring 2011

**CONFERENCES AND PRESENTATIONS**

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**Local**

1. "Valuing Incremental Highway Capacity in a Network." Texas Tech Seminar Series. Lubbock, Texas, United States. 2009.
2. "Is All Space Created Equal? Uncovering the Relationship between Competing Land Uses in Subdivisions." CUERE Seminar Series, University of Maryland Baltimore County. Baltimore, Maryland, United States. 2010.
3. "Measuring Price Elasticities for Residential Water Demand with Limited Information." The Ohio State University. Columbus, Ohio, United States. 2010.
4. "Some Like it (Less) Hot: Joint Valuation of the Urban Heat Island and Cooling Vegetation in an Arid City." Glenn School Colloquium Series. Columbus, Ohio, United States. 2014.
5. "Linking Demand and Supply in a Housing Market Sorting Model." Oregon State University. Corvallis, Oregon, United States. 2014.
6. "Some Like it (Less) Hot: Joint Valuation of the Urban Heat Island and Cooling Vegetation in an Arid City." Virginia Tech. Blacksburg, Virginia, United States. 2014.
7. "Unconventional Shale Gas Development, Risk Perceptions, and Averting Behavior: Evidence from Bottled Water Purchases." Ohio University. Athens, Ohio, United States. 2015.
8. "Price-Based Land Use Policies with Heterogeneous Development Outcomes: Impacts on Urban Land Use Patterns." University of Illinois Urbana-Champaign. Champaign, Illinois, United States 2017.
9. "Price-Based Land Use Policies with Heterogeneous Development Outcomes: Impacts on Urban Land Use Patterns." Kansas State University. Manhattan, Kansas, United States. 2017.
10. "Coastal Vulnerability, Housing Markets and the Role of Policy." Virginia Tech University. Blacksburg, Virginia, United States. 2018.
11. "Urban Growth and the Environment". University of Natural Resources and Life Sciences (BOKU). Vienna Austria. 2019.



12. "Do NFIP Subsidies Matter to Homebuyers? Evidence from Nationwide Housing Sales." University of Georgia, Athens, Georgia, United States. 2019.
13. "Do NFIP Subsidies Matter to Homebuyers? Evidence from Nationwide Housing Sales." Pennsylvania State University, University Park, Pennsylvania, United States. 2019.

**Regional**

13. "Water/Energy Interactions." The Economics for Evaluating Water/Energy Interactions for Policy. Tempe, Arizona, United States. 2010. Moderator.
14. "Spatial Drivers and Water Policies as Determinants of the Location of Marcellus Shale Gas Development in Pennsylvania." Marcellus Shale Multi-State Academic Research Conference. Altoona, Pennsylvania, United States. (2011)
15. "Understanding Performance of Price and Non-Price Incentives and the Economic Value of Residential Water." Tempe, Arizona, United States. 2012.
16. "Is the Shale Boom a Bust for Nearby Residents? Evidence from Housing Values in Pennsylvania." Bucknell/SRSA Workshop on Shale Exploration. Lewisburg, Pennsylvania, United States. 2012. Keynote.
17. "Migration and Household Adaptation to Climate: A Review of Empirical Research." NBER Workshop on Climate Adaptation. Cambridge, Massachusetts, United States. 2012.
18. "Interactions between Policy and People: BES Research on Stream Restoration and Zoning." Urbanization, Institutions, and Sustainability Workshop. Tempe, Arizona, United States. 2013.
19. "Smart Growth and Land Use Patterns." Midwest Economic Association. Evanston, Illinois, United States. 2014. (Presented by Matthew Gnagey)
20. "It's Better than Nothing: The Optimal control of a Biological Invasion with Application to the Gypsy Moth." Wrightsville Beach, North Carolina, United States. 2014. (Presented by James Goodenberger)
21. "Compensating Differentials of Rents, Wages and agricultural Returns: The Quality-of-Life among Indonesian Regencies and Cities." Midwest Economic Association. Evanston, Illinois, United States. 2018. (Presented by Wei Chen)
22. "The Cost of Algae Contamination in Freshwater Lakes: Identification of Environmental Quality Demand Functions Using Climate-Based Instruments." Camp Resources. Wrightsville Beach, North Carolina, United States. 2017. (Presented by David Wolf)

**National**

23. "The Role of Theoretical Restrictions in Price Forecasting with Inverse Demand Models." American Agricultural Economics Association. Portland, Oregon, United States. 2007.
24. "Do Random Parameters and Alternative Specific Constants Improve Welfare Analysis? An Empirical Investigation." Southern Economic Association. New Orleans, Louisiana, United States. 2007.

25. "Do Sorting and Heterogeneity Matter for Open Space Policy Analysis? An Empirical Comparison of Hedonic and Sorting Models." American Agricultural Economics Association. San Francisco, California, United States. 2009.
26. "Valuing Open Space in a Locational Equilibrium Model of the Twin Cities." American Agricultural Economics Association. Orlando, Florida, United States. 2009.
27. "Sufficient Statistics for Measuring the Value of Changes in Local Public Goods: Does Chetty's Framework Inform Lind?" Agricultural and Applied Economics Association. Milwaukee, Wisconsin, United States. 2009.
28. "Quasi Experiments, Capitalization, and Estimating Tradeoffs for Changes in Spatially Delineated Amenities." W2133 Annual Meetings. Tucson, Arizona, United States. 2010.
29. "Estimating the Price Elasticity of Demand for Water with Quasi Experimental Methods." Agricultural and Applied Economics Association. Denver, Colorado, United States. 2010.
30. "Linking Developers and Homeowners in a Horizontal Sorting Framework: Implications for General Equilibrium Welfare Measurement." North American Regional Science Council. Denver, Colorado, United States. 2010.
31. "Measuring Economic Tradeoffs for "Wet" Landscapes as Sources of Environmental Services: Spatial Scale and Sorting." AERE Session at Annual ASSA Winter Meetings. Denver, Colorado, United States. 2011.
32. "Recovering Household Valuation of Urban Heat Island in the Presence of Omitted Variables across Spatial Scales." Invited Track Session. Association of Environmental and Resource Economists. Seattle, Washington, United States. 2011.
33. "The Value of Water as an Urban Club Good: A Matching Approach to HOA-Provided Lakes." Association of Environmental and Resource Economists. Seattle, Washington, United States. 2011. (Presented by Joshua Abbott)
34. "Exploiting Spatial and Temporal Variations in Residential Subdivision Development to Identify Urban Growth Spillovers." Association of Environmental and Resource Economists. Seattle, Washington, United States. 2011. (Presented by Charles Towe)
35. "The Value of Water as an Urban Club Good: A Matching Approach to HOA Provided Lakes." Agricultural and Applied Economics Association. Pittsburgh, Pennsylvania, United States. 2011.
36. "Exploiting Spatial and Temporal Variations in Residential Subdivision Development to Identify Urban Growth Spillovers." Agricultural and Applied Economics Association. Pittsburgh, Pennsylvania, United States. 2011. (Presented by Charles Towe)
37. "The Role of Water Access and Land Use Policy in Determining Locations of New Housing: The Housing boom in Phoenix, AZ." North American Regional Science Council. Miami, Florida, United States. 2011.
38. "Measuring the Economic Impact of Shale Oil Exploration on Housing Value in Pennsylvania." AERE Summer Conference. Asheville, North Carolina, United States. 2012.

39. "A Valuation of Restored Streams Using Repeat Sales." AERE Summer Conference. Asheville, North Carolina, United States. 2012. (Presented by Charles Towe)
40. "A Case for Amenity Driven Growth? Estimating Heterogeneous Household Demands for Lake Amenities and Industrial Disamenities in the Great Lakes Region." AERE Summer Conference. Asheville, North Carolina, United States. 2012. (Presented by Heather Stephens)
41. "Climate Change Impacts on U.S. Migration and Household Location Choice." AERE Summer Conference. Asheville, North Carolina, United States. 2012. (Presented by Qin Fan).
42. "The Effects of Adaptation Measures on Hurricane Induced Property losses." AERE Summer Conference. Asheville, North Carolina, United States. 2012. (Presented by Meri Davlasheridze)
43. "Measuring the Economic Impact of Shale Oil Exploration on Housing Value in Pennsylvania." Agricultural and Applied Economics Association. Seattle, Washington, United States. 2012.
44. "Are Consumers Willing to Pay for Organic when the Food is Already Local?" Agricultural and Applied Economics Association. Seattle, Washington, United States. 2012. (Presented by Cristina Connolly)
45. "A Valuation of Restored Streams Using Repeat Sales." Agricultural and Applied Economics Association. Seattle, Washington, United States. 2012. (Presented by Charles Towe)
46. "Climate Change Impacts on U.S. Migration and Household Location Choice" Agricultural and Applied Economics Association. Seattle, Washington, United States. 2012. (Presented by Qin Fan)
47. "A Meta-Analysis and Repeat Sales Approach to Decomposing Local Park Attributes." Agricultural and Applied Economics Association. Washington, DC, United States. 2013. (Presented by Mitchell Livy)
48. "Evading Invasives: How Water-Milfoil Impacts New Lakefront Development." Agricultural and Applied Economics Association. Washington, DC, United States. 2013. (Presented by James Goodenberger)
49. "Structural Change in the U.S. Consumer Response to Food Safety Recalls." Agricultural and Applied Economics Association. Washington, DC, United States. 2013. (Presented by Mykel Taylor)
50. "Selection and Agglomeration Impact on Firm's Productivity – A Study of Taiwan's Manufacturing Section." North American Regional Science Conference. Atlanta, Georgia, United States. 2013. (Presented by Syed Hasan)
51. "Preference Tradeoffs across Spatial Scales: Developing a Micro Level Sorting Model." Agricultural and Applied Economics Association. Minneapolis, Minnesota, United States. 2014. (Presented by Mitchell Livy)
52. "It's Better Than Nothing: Modeling the Optimal Control of Gypsy Moths." Agricultural and Applied Economics Association. Minneapolis, Minnesota, United States. 2014. (Presented by James Goodenberger)
53. "Local Amenities, Equity, and Household Mobility: Nominal Loss Aversion in Baltimore County." North American Regional Science Conference. Washington, DC, United States. 2014. (Presented by Eliot Alexander)
54. "Stormwater Management Practices and Suburban House Prices." North American Regional Science Conference. Washington, DC, United States. 2014. (Presented by Nicholas Irwin)

55. "Location Choice and Health Tradeoffs: A Micro-Level Analysis of Household Well-Being." North American Regional Science Conference. Washington, DC, United States. 2014. (Presented by Cristina Connolly)
56. "An Equilibrium Model of Household Sorting and Residential Land Development." North American Regional Science Conference. Washington, DC, United States. 2014. (Presented by Douglas Wrenn)
57. "Unconventional Shale Gas Development, Risk Perceptions, and Averting Behavior: Evidence from Bottled Water Purchases." Southern Economics Association Annual Meetings. New Orleans, Louisiana, United States. 2015.
58. "The Optimal Control of Invasive Species in Heterogeneous Environments." AERE Summer Conference. San Diego, California, United States. 2015. (Presented by Sathya Gopalakrishnan)
59. "Unconventional Shale Gas Development, Risk Perceptions, and Averting Behavior: Evidence from Bottled Water Purchases." AERE Summer Conference. San Diego, California, United States. 2015. (Presented by Douglas Wrenn)
60. "Stormwater Management and Suburban House Prices." AERE Summer Conference. San Diego, California, United States. 2015. (Presented by Nicholas Irwin)
61. "A Structural Approach to Health and Environmental Valuation." Agricultural and Applied Economics Association Annual Meeting. Track Session (Invited). San Francisco, California, United States. 2015.
62. "Confronting Price Endogeneity in a Duration model of Residential Subdivision Development." Agricultural and Applied Economics Association. San Francisco, California, United States. 2015. (Presented by Douglas Wrenn)
63. "Local Foods and New Market Entrants: The Role of Competition and Differentiation." Agricultural and Applied Economics Association. San Francisco, California, United States. 2015. (Presented by Cristina Connolly)
64. "Development of a Multi-Spatial Residential Sorting Model: Implications for Stormwater Management Policies." North American Regional Science Conference. Portland, Oregon, United States. 2015. (Presented by Mitchell Livy)
65. "Blue Green Algae's Impact on Ohio's Inland Lake Housing Markets." AERE Summer Conference. Breckenridge, Colorado, United States. 2016.
66. "A Valuation of Urban Stream Restorations." AERE Summer Conference. Breckenridge, Colorado, United States. 2016.
67. "Meeting Water Quality Standards by Altering Land Use Patterns: An Analysis of Price vs. Quantity Based Policy Instruments." AERE Summer Conference. Breckenridge, Colorado, United States. 2016. (Presented by Douglas Wrenn)
68. "Unconventional Shale Gas Development, Risk Perceptions, and Averting Behavior." Agricultural and Applied Economics Association Annual Meeting. Track Session (Invited). Boston, Massachusetts, United States. 2016.

69. "Blue Green Algae's Impact on Ohio's Inland Lake Housing Markets." Agricultural and Applied Economics Association. Boston, Massachusetts, United States. 2016. (Presented by David Wolf)
70. "Price-Based Policies for Residential Development Patterns and Impacts to Water Quality in the Chesapeake Bay." AERE Summer Conference. Pittsburgh, Pennsylvania, United States. 2017. (Presented by Douglas Wrenn)
71. "The Cost of Algae Contamination in Fresh Water Lakes: Identification of Environmental Quality Demand Functions Using Perfect and Imperfect Instruments." AERE Summer Conference. Pittsburgh, Pennsylvania, United States. 2017. (Presented by David Wolf)
72. "Price-Based Policies for Residential Development Patterns and Impacts to Water Quality in the Chesapeake Bay." Agricultural and Applied Economics Association. Chicago, Illinois, United States. 2017. (Presented by Douglas Wrenn)
73. "Reeling in the Damages: Harmful Algal Blooms' Impact on Lake Erie's Recreational Fishing Industry." Agricultural and Applied Economics Association. Chicago, Illinois, United States. 2017. (Presented by Will Georgic)
74. "Hoarding Behavior in Response to the EISA "Light Bulb Ban." Poster. Agricultural and Applied Economics Association. Washington, DC, United States. 2018. (Presented by Xiao Dong)
75. "Price Based Policies for Managing Residential Development and Impacts on Water Quality." Agricultural and Applied Economics Association. Washington, DC, United States. 2018. (Presented by Douglas Wrenn)
76. "The Impact of Concessions on Household Location Choice and Well Being in Indonesia." Agricultural and Applied Economics Association. Washington, DC, United States. 2018. (Presented by Shang Xu)
77. "Heterogeneity in Farm-to-School Spending: Drivers and Implications." Agricultural and Applied Economics Association. Washington, DC, United States. 2018. (Presented by Zoe Plakias)
78. "Coastal Resilience and the Effect of Natural and Human Adaptations on Coastal Development." Agricultural and Applied Economics Association. Washington, DC, United States. 2018. (Presented by Xiaoyu Li)
79. "Identifying the Costs to Homeowners of Eliminating NFIP Subsidies." Agricultural and Applied Economics Association. Washington, DC, United States. 2018. (Presented by Will Georgic)
80. "The Impact of HABs on Recreational Visits to Lake Erie." Agricultural and Applied Economics Association. Washington, DC, United States. 2018. (Presented by Wei Chen)
81. "The Silence of Falling Trees: Hidden Forest Loss from Shale Gas Development." Agricultural and Applied Economics Association. Washington, DC, United States. 2018. (Presented by Xiao Dong)
82. "Provision of Natural Gas Infrastructure and Shifts in Fuel Patterns." Agricultural and Applied Economics Association. Washington, DC, United States. 2018. (Presented by Shang Xu)

83. "Community Resilience to Natural Disasters: The Effects of Environmental Changes on Homeownership Rates and Community Quality." AERE Summer Conference. Incline Village, Nevada, United States. 2019. (Presented by Xiaoyu Li)
84. "Adolescent Children's Preferences for Locally Sourced Foods in School Lunches Under Parent-child Interaction." Agricultural and Applied Economics Association. Atlanta GA, United States. 2019. (Presented by Thadchaigeni Panchalingam)
85. "Community Resilience to Natural Disasters: The Effects of Environmental Changes on Homeownership Rate and Community Quality." Agricultural and Applied Economics Association. Atlanta GA, United States. 2019. (Presented by Xiaoyu Li)
86. "Compensating Differentials of Rents, Wages and Agricultural Returns: The Quality-of-Life among Indonesian Regencies and Cities." Agricultural and Applied Economics Association. Atlanta GA, United States. 2019. (Presented by Wei Chen)
87. "Natural Disasters and The Spatial Distribution of Labor and Productivity: Evidence from Indonesia." Agricultural and Applied Economics Association. Atlanta GA, United States. 2019. (Presented by Shang Xu)
88. "The Welfare Impacts of Large-Scale Urban Noise Reductions: Implications from Household Sorting in Vienna." North American Regional Science Conference. Pittsburgh, PA, United States. 2019.
89. "The Carbon Losses due to Landscape Change from Unconventional Shale Gas Development in the Marcellus and Utica Formations." North American Regional Science Conference. Pittsburgh, PA, United States. 2019. (Presented by Xiao Dong)

### **International**

90. "Evaluating Rubin's Causal Model for Measuring the Capitalization of Environmental Amenities." International Conference on Statistics, Probability, Operations Research, Computer Science and Allied Areas. Visakhapatnam, India. 2010.
91. "Does Residential Water Demand Respond to Climatic Conditions." The Fourth World Congress of Environmental and Resource Economists. Montreal, Quebec, Canada. 2010.
92. "A Case for Amenity-Driven Growth? Estimating Heterogeneous Household Demands for Lake Amenities and Industrial Disamenities in the Great Lakes Region." North American Regional Science Conference. Ottawa, Ontario, Canada. 2011. (Presented by Heather Stephens)
93. "Recovering Household Valuation of Urban Heat Island in the Presence of Omitted Variables across Spatial Scales." VU University Amsterdam Seminar Series. Amsterdam, Netherlands. 2013.
94. "Maintaining Public Goods: Household Valuation of New and Renovated Local Parks." AERE Summer Conference. Banff, Alberta, Canada. 2013.
95. "Generalized Nearest-Neighbor Estimators for Property Matching Models." AERE Summer Conference. Banff, Alberta, Canada. 2013. (Presented by Klaus Moeltner)

96. "Evading Invasives: How Eurasian Water-Milfoil Affects the Development of Lakefront Properties." The World Congress of Environmental and Resource Economists. Istanbul, Turkey. 2014.
97. "Does Road Expansion Help Mitigate Congestion in China? An Evaluation of Vehicle-Kilometers Traveled." North American Regional Science Conference. Vancouver, British Columbia, Canada. 2017. (Presented by Wei Chen)
98. "Does Road Expansion Help Mitigate Congestion in China? An Evaluation of Vehicle-Kilometers Traveled." The Sixth World Congress of Environmental and Resource Economists. Gothenburg, Sweden. 2018.
99. "Does Heterogeneity within the Second-Stage Matter? Recovering Water Quality Demand Functions using a Nationwide Housing Database." The Sixth World Congress of Environmental and Resource Economists. Gothenburg, Sweden. 2018. (Presented by David Wolf)
100. "Dredging the Sand Commons: Examining Tradeoffs in the Timing of Shoreline Stabilization." The Sixth World Congress of Environmental and Resource Economists. Gothenburg, Sweden. 2018. (Presented by Sathya Gopalakrishnan)

## **FUNDED RESEARCH**

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1. Co-PI. 09/2010 - 08/2012. Regional Water Issues Surrounding Marcellus Shale Gas Extraction: Informing Stakeholders about Water/Wastewater Flows and Factors Affecting Drilling Location. U.S. Department of Agriculture (\$59,850, Total Award). PI: Abdalla, C.
2. Co-PI. 01/2011 – 08/2016. Linkages and Feedbacks between Regional Climate Variability and Patterns of Urban Development - Impacts on the Urban Water Cycle and Nutrient Export. National Science Foundation (\$5,000,000, Total Award; \$281,615, Klaiber Award). PI: Welty, C.
3. Co-PI. 08/2012 – 07/2015. Local Foods and Supporting Policies: An Investigation of CSA Farms. Food Innovation Center, The Ohio State University (\$2,500, Total Award). Co-PIs include Connolly\*, C and Roe, B.
4. Co-PI. 07/2013 – 12/2016. Environmental Impacts of Shale Oil Exploration in Ohio and Pennsylvania: Capacity Building and Economic Analysis. OARDC Seed Grant (\$49,995, Total Award). Co-PIs: Gopalakrishnan, S., Roe, B.
5. Co-PI. 01/2014 – 12/2018. Local Foods and School Meal Demand: A Hybrid Consumer Modeling Approach. U.S. Department of Agriculture (\$499,978, Total Award). PI: Roe, B.
6. Co-PI. 05/2015 – 04/2020. Diversification Strategies for Small and Medium-Sized Farms. U.S. Department of Agriculture, NIFA (\$384,913, Total Award). PI: Hoy, C.
7. Co-PI. 09/2019-08/2024. Thriving Agricultural Systems in Urbanized Landscapes. U.S. Department of Agriculture, NIFA (\$8,975,094, Total Award). PI: Abler, D.
8. PI. 09/2021-08/2023. The Impact of Specialty Local Food Retailers on Local Consumers and Direct Marketing Producers. U.S. Department of Agriculture, ERS (\$47,983).

## **EXTENSION AND OUTREACH**

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### **Publications**

1. Abdalla, C, Drohan, J, Rham, B, Jaquet, J, Becker, J, Collins, A, **Klaiber, HA**, Poe, G and Grantham, D, "Water's Journey Through the Shale Gas Drilling and Production Processes in the Mid-Atlantic Region." Pennsylvania State University in conjunction with various parties. 2012.
2. Gopalakrishnan, S, **Klaiber, HA**, "What Real Estate Tells Us About the Downside of Shale Energy Development." SERC Research Notes. The Ohio State University. 2014.
3. Astill, G., Liu\*, Y, **Klaiber, HA**, and Dong, X. 2023. Weather and Seasonal Production Influence Organic Premiums for Fresh California Sweet Cherries. Fruit and Tree Nuts Outlook: September 2023 (Report No. FTS-377, 42-47). U.S. Department of Agriculture, Economic Research Service. 2023.

### **Presentations**

1. "Issues and Opportunities for the Shale Gas Production Complex." Farm Science Review. Columbus, Ohio, United States. 2011.
2. "Shale Gas: Landscape, Location, and Environment." Swank Program Annual Meeting. Columbus, Ohio, United States. 2011.
3. "The Economics of Shale Gas Exploration." Ohio Chapter of the American Society of Farm Managers and Rural Appraisers. Columbus, Ohio, United States. 2012.
4. "Winners and Losers in the Shale Boom: Implications for Property Owners." 2013 Agricultural Policy and Outlook Series. Columbus, Ohio, United States. 2012.
5. "Valuation of Bikeways: Implications for Policy." Mid-Ohio Regional Planning Commission. Columbus, Ohio, United States. 2014.
6. "Markets and the Environment." Community Development Meeting. The Ohio State University. Columbus, Ohio. 2018.
7. "The Economic Impacts of Harmful Algal Blooms." Environmental Policy and Outlook Conference. Columbus, Ohio. 2018.
8. "Market Signals, Urban Amenities and the Environment." Public Lecture (BOKU). Vienna, Austria. 2019.
9. "Urbanization and Farmland Shifts from Commodity Crops to Specialty Crops with Micro-level Evidence from Cropland Data Layer." *Brown Bag Session, USDA ERS Land Cover Group*, 2023

### **Mentions in Media**

1. Shea, Christopher. 2010. "The public's right to know about downed airliners." The Boston Globe online (Boston.com), Posted August 3, 2010 12:55 PM.



2. "Homeowners Worry Property Values Plummet Due to Nearby Fracking." WVIZ PBS Ideastream (Radio). <http://www.ideastream.org/news/feature/50911>. Aired: December 2012.
3. "Advancing Land Change Modeling: Opportunities and Research Requirements." National Academies Press, Posted January 1, 2014.
4. "Algal Blooms Cost Ohio Homeowners \$152 million over Six Years." Environmental News Network, Posted August 17, 2017.
5. "Algal Blooms Cost Ohio Homeowners \$152 million over Six Years." EurekAlert!, Posted August 17, 2017.
6. "Algal Blooms Cost Ohio Homeowners \$152 million over Six Years." Newswise, Posted August 17, 2017.
7. "Algal Blooms Cost Ohio Homeowners \$152 million over Six Years." ScienceDaily, Posted August 17, 2017.
8. "Algal Blooms Cost Ohio Homeowners \$152 million over Six Years." Science Newsline, Posted August 17, 2017.
9. "Algal blooms have cost Ohioans \$152 million in property value." The Toledo Blade, Posted August 18, 2017.
10. "Algae Blooms Cost Buckeye Lake Homeowners More than \$100 Million." WOSU Radio, Columbus OH. August 18, 2017.
11. "Study: Algae Blooms Lower Home Values." WCBE Radio, Columbus OH. August 22, 2017.
12. "Study: \$51M losses for lake property-algal blooms take toll on values." The Daily Standard Stories, Posted August 24, 2017.
13. "Report: Algae Affects Property Values." Press Pros Magazine. Posted September 4, 2017.
14. "How We recover From the Recent Hurricanes Could Impact the National Economy for Decades." Forbes. Posted September 21, 2017.
15. "Ohio releases plan to curb Lake Erie algae blooms by 2021." The Columbus Dispatch, Posted November 19, 2017.

## **SERVICE AND ADVISING**

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### **Editorships**

Co-Editor, Resource and Energy Economics, 2019 - Present

Editorial Council, Land Economics, 2021 - Present

Editorial Council, Journal of Environmental Economics and Management, 2016-2023

Editorial Council, Journal of the Association of Environmental and Resource Economists, 2014-2023

Associate Editor, American Journal of Agricultural Economics, 2012-2015

### **Reviewer**

American Economic Journal: Economic Policy; American Journal of Agricultural Economics; Applied Economic Perspectives and Policy; Ecological Economics; Energy Economics; Environmental and Resource Economics; Food Policy; International Regional Science Review; Journal of Agricultural and Applied

Economics; Journal of Agricultural Economics; Journal of Benefit-Cost Analysis; Journal of the Association of Environmental and Resource Economists; Journal of Environmental Economics and Management; Journal of Environmental Management; Journal of Real Estate Finance and Economics; Journal of Real Estate Research; Journal of Regional Science; Land Economics; Landscape and Urban Planning; Marine Resource Economics; Papers in Regional Science; Proceedings of the National Academy of Sciences; Real Estate Economics; Resource and Energy Economics; Review of Environmental Economics and Policy; Review of Regional Studies; Society and Natural Resources; The Annals of Regional Science; Water Resources and Economics; Water Resources Research

### **Professional Service**

External Evaluator, Program on Coupled Human and Earth Systems Research Group (D.O.E.), 2018  
 Best Paper Committee, Journal of the Association of Environmental and Resource Economists, 2017- 2015  
 Reviewer, AAEA Selected Papers: 2017, 2014, 2013, 2012, 2011, 2010, 2009  
 Reviewer, AERE Selected Papers: 2017, 2016, 2012, 2011

### **Graduate Student Advising**

#### **Doctoral Student (Dissertation Advisor)**

2011 - 2015      Cristina Connolly. The Ohio State University  
 Assistant Professor (tenure track), Cal Poly San Luis Obispo, California  
 Dissertation Title: “Three Essays on Local Food Consumption and Production”  
 SEEDS: The OARDC Graduate Research Enhancement Grant (2013)  
 OSU Food Innovation Center Social Science Grant (2012)  
 Career Development Grant, The Ohio State University Council of Graduate Students (2012)

2011 - 2015      Mitch Livy. The Ohio State University  
 Assistant Professor, Cal State Fullerton, California  
 Dissertation Title: “Residential Location Choice and Environmental Amenities”  
 AEDE Best Doctoral Research Manuscript (2012)

2011 - 2015      Eliot Alexander. The Ohio State University  
 Lecturer, Ohio State University – Newark, Ohio  
 Dissertation Title: “Three Essays on US Homeowner’s Response to a Changing Economy”

2012 - 2016      James Goodenberger. The Ohio State University  
 Assistant Professor, Oglethorpe College, Atlanta, Georgia  
 Visiting Assistant Professor, Washington and Lee University, Lexington, Virginia (2016)  
 Dissertation Title: “Three Essays Regarding the Economics of Spatial-Dynamic Processes”  
 Bernie Erven Outstanding Graduate Teacher Award (2014)  
 AEDE Best Doctoral Research Manuscript (2013)

2014 - 2018      David Wolf. The Ohio State University  
 Assistant Professor, Kobe University, Kobe, Japan  
 Assistant Professor, University of Wisconsin Eau Claire, Eau Claire, Wisconsin

Dissertation Title: “The Economic Impacts of Harmful Algal Blooms”

Best Dissertation Award, 2019 Agricultural and Applied Economics Association

Bernie Erven Outstanding Graduate Teacher Award (2016)

2014 – 2019 Will Georgic. The Ohio State University

Assistant Professor, Ohio Wesleyan, Delaware, Ohio

Assistant Professor, Kalamazoo College, Kalamazoo, Michigan

Dissertation Title: “Vulnerability and Policy Response: Unintended Consequences”

AEDE Best Doctoral Research Manuscript, Honorable Mention (2015)

2015 - 2019 Wei Chen. The Ohio State University

Assistant Professor, Renmin University, Beijing, China

2015 - 2019 Shang Xu. The Ohio State University

Assistant Professor, Renmin University, Beijing, China

2016 - 2019 Xiao Dong, The Ohio State University

Research Associate, Economic Research Service, USDA, Kansas City, Missouri

2017 – 2021 Xiaoyu Li, The Ohio State University

Assistant Professor, Shanghai Institute of Technology, Shanghai, China

2020 – 2022 Jonathon Siegle, The Ohio State University

2020 – 2023 Junyi Hua, The Ohio State University

Assistant Professor, City University of Macau, Macau, China

2021 – Present Hongxi Zhao, The Ohio State University

2021 – Present Yanan Liu, The Ohio State University

2022 – Present Anny Zhu, The Ohio State University

2022 – Present Haotian Wu, The Ohio State University

#### **Doctoral Student (Dissertation Committee Member)**

2012 Matthew Winden. The Ohio State University. Graduated: 2012 (tenure track)

2011 - 2012 Heather Stephens. The Ohio State University. Graduated: 2012 (tenure track)

2009 - 2013 Qin Fan. The Pennsylvania State University. Graduated: 2013 (tenure track)

2010 - 2013 Meri Davlasheridze. Pennsylvania State University. Graduated: 2013 (tenure track)

2011 - 2014 Haoying Wang. Pennsylvania State University. Graduated: 2014 (tenure track)

2012 - 2013 Amanda Weinstein. The Ohio State University. Graduated: 2013 (tenure track)

2012 - 2013 Katie Farren. The Ohio State University. Graduated: 2012

2012 - 2013 Gracious Diro, The Ohio State University. Graduated: 2013

2012 - 2014 Matthew Gnagey. The Ohio State University. Graduated: 2014 (tenure track)

2012 - 2015 Norman Maldonado-Vargas. The Ohio State University

2013 Mark van Duijn. VU University Amsterdam. Graduated: 2013

2013 - 2014 Matthew Pham. The Ohio State University. Graduated: 2014

2013 - 2015 Syed Hasan. The Ohio State University. Graduated: 2015 (tenure track)

2013 - 2016 Yun Qiu. The Ohio State University. Graduated: 2016 (tenure track)

2014 - 2016	Nic Irwin. The Ohio State University. Graduated: 2016 (tenure track)
2015 - 2017	Elizabeth Botkins. The Ohio State University. Graduated: 2017
2017 – 2018	Danyi Qi. The Ohio State University. Graduated: 2018 (tenure track)
2017 – 2019	Chris Dunphy. The Ohio State University. Graduated: 2019
2017 – 2019	Danbee Song. The Ohio State University. Graduated: 2019 (tenure track)
2019 – 2021	Thadchaigeni Panchalingam. The Ohio State University. Graduated: 2021
2018 – 2023	Brian Cultice. The Ohio State University. Graduated: 2023.
2021 – 2022	Bingcai Liu. The Ohio State University. Graduated: 2022.
2021– 2023	Nyonho O. The Ohio State University. Graduated: 2023.
2021– Present	Samuel Cheng. The Ohio State University
2021– Present	Andrew Miller. The Ohio State University
2021– Present	Xiaoliu Xu. The Ohio State University
2023 – Present	Lei Xu. The Ohio State University

#### **Masters Student Plan A (Committee Member)**

2011 - 2012	Caitlyn Edmundson. The Pennsylvania State University. Graduated: 2012
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#### **Masters Student Plan B (Advisor)**

2013	Li Hui. The Ohio State University. Graduated: 2013
2013	Merilee Newsham. The Ohio State University. Graduated: 2013
2013 - 2014	Joshua Roth. The Ohio State University. Graduated: 2014
2013 - 2014	Eric Meyer. The Ohio State University. Graduated: 2014
2013 - 2015	Alicia Anzivine. The Ohio State University. Graduated: 2015
2015 - 2016	Lauren Lopez. The Ohio State University. Graduated: 2016
2016 - 2018	Jane Powell. The Ohio State University. Graduated: 2018
2020 – 2022	Kayleigh Gallagher. The Ohio State University.

#### **Undergraduate Advising (by year beginning)**

2013	Dan D’Amico; Mattea Gilmore; Everado Hernandez; Matthew Millward; Anthony Ezzi
2014	Matthew Bucklew; Meghan Buckner; Nicole Cordy; Mitchell Cramer; Colin Grisier; Michael Headlee; Bryson Hoppes ; David Johnson; Luke Lepi; Daniel Liberto; Guy Mayhew; Summer McCracken; Cailynn Moore; Mikayla Moore; Matthew Moran; Taylor Morbitzer; Ian Nyre; Derek Rieman; Heather Scott; Ryan Skaggs; Ethan Spade; Jeffrey Thaler; Jacob Waterman; Lauren Welrick; Taylor Wolf
2015	Colin Jones; Alec Lydrickson; Tyler Tedeschi
2016	Grace Alvarez; Emilie Giardini; Scott Harvard; Matthew Hiser; Brandon Johnstin; Anthony Keeton; Max Meyer; Kayla Murray
2017	Andrew Miller; David Swoope; Jacob Wildman
2019	Hannah Key

#### **Departmental Service: Agricultural, Environmental and Development Economics, OSU**

2012	AEDE Graduate Student Second Year Paper Reviewer
2012	AEDE Best Dissertation Award Selection
2012 - 2016	AEDE Seminar Committee
2013 - 2015	AEDE Faculty Advisory Council
2014	AEDE FIE/Co-Op Search Committee
2015 - 2016	AEDE Sustainable Development Search Chair
2016 - 2017	AEDE Graduate Committee Member
2017 - 2023	AEDE Graduate Studies Chair
2020 – 2023	AEDE PEAC (Chair 2023)

### University and College Service

2010	Judge, Gamma Sigma Delta Graduate Poster Judge. The Pennsylvania State University
2013	Judge, OARDC Annual Research Conference. The Ohio State University
2014	Judge, Denman Undergraduate Research Forum. The Ohio State University
2015	Judge, Denman Undergraduate Research Forum. The Ohio State University
2018	Judge, 2018 CFAES Annual Research Conference Competition. The Ohio State University

## **HONORS AND AWARDS**

1. Fulbright Scholar 2018-2019. Vienna, Austria. 2019.
2. Editor's Choice Article. "Climate Change, Migration, and Regional Economic Impacts in the U.S." Journal of the Association of Environmental and Resource Economists. 2018.
3. Honorable Mention for Best Paper. "Is the Shale Boom a Bust for Nearby Residents? Evidence from Housing Values in Pennsylvania." American Journal of Agricultural Economics. 2015.
4. Invited International Ph.D. Exam Member. VU University Amsterdam. Amsterdam, Netherlands. 2013.
5. Professional Development Award. Sustainable Agriculture and the Role of Community Supported Agriculture. Nesbitt faculty Development, Pennsylvania State University. (13,500, Total Award). 2011.
6. AAEA Student Travel Grant. 2007.

## **PROFESSIONAL AFFILIATIONS**

Association of Environmental and Resource Economists  
 Agricultural and Applied Economics Association  
 Urban Economics Association