

## Katherine Y. Zipp

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CONTACT INFORMATION	<p>Department of Agricultural Economics, Sociology, and Education Pennsylvania State University 386 Shortlidge Road 116 Ferguson Building University Park, PA 16802 <i>Office:</i> 814-863-8247 <i>E-mail:</i> kyz1@psu.edu <i>Web:</i> <a href="http://aese.psu.edu/directory/kyz1">http://aese.psu.edu/directory/kyz1</a> &amp; <a href="http://katezipp.com">http://katezipp.com</a></p> <p>Last updated May 15, 2025</p>
RESEARCH INTERESTS	<p>Environmental and resource economics, land-use economics, spatial modeling, joint ecological-economic modeling and nonmarket valuation</p>
EMPLOYMENT	<p>Associate Professor of Environmental and Resource Economics, Department of Agricultural Economics, Sociology, and Education, Pennsylvania State University (July, 2020 - present)</p> <p>Assistant Professor of Environmental and Resource Economics, Department of Agricultural Economics, Sociology, and Education, Pennsylvania State University (July, 2014 - June, 2020)</p>
EDUCATION	<p><b>Ph.D. – University of Wisconsin</b>, Madison, Wisconsin (August 2014) Agricultural and Applied Economics</p> <ul style="list-style-type: none"><li>• Dissertation Topic: “Spatial analysis of feedback mechanisms between environmental policies, ecosystems and behavior”</li></ul> <p><b>BA – Oberlin College</b>, Oberlin, Ohio (May 2008) Majors: Economics and Environmental Studies</p> <ul style="list-style-type: none"><li>• High Honors in Environmental Studies</li></ul>
TEACHING EXPERIENCE	<p><b>Undergraduate (Community, Environment, and Development Major, CED)</b></p> <p>CED 309: Land Use Dynamics CED 429: Natural Resource Economics</p> <p><b>Graduate (Energy, Environmental, and Food Economics, EEFE, formerly Agricultural, Environmental, and Regional Economics, AEREC)</b></p> <p>AEREC 541: Resource and Environmental Economics II AEREC 597: Research in the Economics of Land Use</p>
REFEREED ACADEMIC JOURNAL ARTICLES	<p>(Note: * indicates work with a graduate student as part of their research)</p> <ol style="list-style-type: none"><li>1. Shr, Y-H, K.Y Zipp, J.S. Shortle “Farmers’ Preferences for Riparian Buffers: Evidence from the Chesapeake Bay Watershed.” (Accepted for publication in <i>Land Economics</i>)</li><li>2. Smithwick, E.A.H., Wu, H., Spangler, K., Adib, M., Wang, R., Dems, C., Taylor, A., Kaye, M., Zipp, K., Newman, P., Miller, Z.D., Zhao, A. (2024) “Barriers and Opportunities for Implementing Prescribed Fire: Lessons from Managers in the mid-Atlantic Region, United States” <i>Fire Ecology</i>, 20(77) <a href="https://doi.org/10.1186/s42408-024-00315-6">https://doi.org/10.1186/s42408-024-00315-6</a></li></ol>

3. Wu, H., Miller, Z.D., Wang, R., Zipp, K.Y., Newman, P., Shr, Y.H., Dems, C.L., Taylor, A., Kaye, M.W. and Smithwick, E.A., (2022). "Public and manager perceptions about prescribed fire in the Mid-Atlantic, United States". *Journal of Environmental Management*, 322, p.116100 <https://doi.org/10.1016/j.jenvman.2022.116100>.
4. Rice, W. L.\*, Newman, P., Zipp, K. Y., Taff, B. D., Pipkin, A. R., Miller, Z. D., and Pan, B. (2022). "Balancing quietness and freedom: Support for reducing road noise among park visitors." *Journal of Outdoor Recreation and Tourism*, 37, 100474. <https://doi.org/10.1016/j.jort.2021.100474>.
5. Khanna. M, Chen, L, Basso, B, Cai ,X, Field, J.L., Guan, K, Jiang, C., Lark, T.J., Richard, T.L., Spawn-Lee, S.A., Yang, P. and Zipp, K.Y. (2021) "Redefining Marginal Lands for Bioenergy Crop Production" *Global Change Biology (GCB) Bioenergy* <https://doi.org/10.1111/gcbb.12877>.
6. Rice, W. L., Taff, B. D., Newman, P., Zipp, K. Y., and Pan, B. (2020). "Identifying recreational ecosystem service areas of concern in Grand Canyon National Park: A participatory mapping approach." *Applied Geography* 125 <https://doi.org/10.1016/j.apgeog.2020.102353>.
7. Miller, Z. D., Wu, H., Zipp, K. Y., Dems, C. L., Smithwick, E. A. H., Kaye, M. W., Newman, P. B., Zhao, A., and Taylor, A. H. (2020) "Hunter and Non-Hunter Perceptions of Costs, Benefits, and Likelihood of Outcomes of Prescribed Fire in the Mid-Atlantic Region. Society and Natural Resources." (*Society & Natural Resources* 33(10):1321-1327 <https://doi.org/10.1080/08941920.2020.1780359>).
8. Colby, S. and K.Y. Zipp (2020) "Excess Vulnerability from Subsidized Flood Insurance: Housing Market Adaptation When Premiums Equal Expected Flood Damage." (*Climate Change Economics*) <https://doi.org/10.1142/S2010007820500128>
9. Rice, W.L\*, P.B. Newman, B.D. Taff, Z.D. Miller, and K.Y. Zipp (2020) "Beyond benefits: Toward a recreational ecosystem services management framework." *Landscape Research* 45(7): 892-904 <https://doi.org/10.1080/01426397.2020.1777956>
10. Rice, W. L.\*, Taff, B. D., Miller, Z. D., Newman, P., Zipp, K. Y., Pan, B., Newton, J. N., & D'Antonio, A. (2020) "Connecting motivations to outcomes: A study of park visitors' outcome attainment." *Journal of Outdoor Recreation and Tourism* 29 <https://doi.org/10.1016/j.jort.2019.100272>
11. Zipp, K.Y., L. Zikatanov, Y. Wu, and K. Wu (2019) "Optimal management to minimize the damages caused by aquatic invasive species." *Letters in Spatial and Resource Sciences* <https://doi.org/10.1007/s12076-019-00237-x>
12. Li, X.\* and K.Y. Zipp (2019) "Dynamics and Uncertainty in Land-Use Conversion for Perennial Energy Crop Production: Exploring Effects of Payments for Ecosystem Services Policies" *Agricultural and Resource Economics Review*, 48(2):328-358. <http://dx.doi.org/10.1017/age.2019.3>
13. Rice, W.L\*, B.D. Taff, P.B. Newman, Z.D. Miller, A.L. D'Antonio, J.T. Baker, C. Monz, J.N. Newton, and K.Y. Zipp (2019) "Grand Expectations: Understanding Visitor Motivations and Outcome Interference in Grand Teton National Park, Wyoming." *Journal of Park and Recreation Administration* 37(2): 26-44. <https://doi.org/10.18666/JPRA-2019-9283>
14. Jiang, W.\*, K.Y. Zipp, M. Langholtz, and M. Jacobson (2019) "Modeling Spatial Dependence and Hot Spots in Landowners' Willingness to Supply Bioenergy Crops in Northeast of the United States." *Global Change Biology (GCB) Bioenergy* 11(9):1086-1097. <https://doi.org/10.1111/gcbb.12617>

15. Jiang, W.\*, H. Fu, M. G. Jacobson, K. Y. Zipp, and J. Jin (2019) “The Impact of Biomass Crop Assistance Program on the United States Forest Product Market: An Application of Global Forest Product Model” *Forests* 10(3): 215-227. <https://doi.org/10.3390/f10030215>
16. Shr, Y-H\* and K.Y. Zipp (2019) “The Aftermath of Flood Zone Remapping: The Asymmetric Impact of Flood Maps on Housing Prices” *Land Economics* 95(2): 174-192. <https://doi.org/10.3368/le.95.2.174>
17. Zipp, K.Y., D. J. Lewis, B. Provencher, and M.J. Vander Zanden (2019) “The Spatial Dynamics of the Economic Impacts of an Aquatic Invasive Species: An Empirical Analysis” *Land Economics* 95(1): 1-18. <https://doi.org/10.3368/le.95.1.1>
18. Jiang, W.\*, K.Y. Zipp, and M. Jacobson (2018) “Economic Assessment of Landowners’ Willingness to Supply Energy Crops on Marginal Lands in the Northeastern of the United States.” *Biomass and Bioenergy* 113: 22-30. <https://doi.org/10.1016/j.biombioe.2018.03.005>
19. Zipp, K.Y., D. J. Lewis, and B. Provencher (2017) “Does the conservation of land reduce development? An econometric-based landscape simulation with land market feedbacks” *Journal of Environmental Economics and Management* 81: 19-37. <https://doi.org/10.1016/j.jeem.2016.08.006>
20. Shortle, J., D. Abler, Z. Kaufman, and K.Y. Zipp (2016) “Simple vs. Complex: Implications of Lags in Pollution Delivery for Efficient Load Allocation and Design of Water-quality Trading Programs” *Agricultural and Resource Economics Review* 45(2):367–393. <https://doi.org/10.1017/age.2016.18>

#### UNDER REVIEW

1. Carlton, S., Paulsen, I., Campbell, T., O’Reilly K.E., and Zipp, K.Y. “Multiple dimensions of trust build public support for environmental management” Revise and Resubmit

#### WORKING PAPERS

1. Hyyrynen, M., Lötjönen, S., Zipp, K. Y., Ekholm, P., Aroviita, J., & Ollikainen, M. “Maintaining the ecological status of the river in changing climate by using forested buffer strips – Socially optimal adaptation.”
2. Zipp, K.Y. and Y-H. Shr “Feeling the Burn: The Optimal Timing of Prescribed Fires for Recreational Benefits.”
3. Pohlman, M. and K.Y. Zipp “Empirical Evaluation of Non-Point Source Pollution Abatement – Is an Improvement Detectable?”
4. Pohlman, M. and K.Y. Zipp “The Economic Benefits of Nitrogen Reduction from Forested Riparian Buffers”
5. Pohlman, M. and K.Y. Zipp “The Recreation Demand for Forested Riparian Buffers.”
6. Liu, Z\*, K.Y. Zipp, L. Zikatanov “ Approximating Optimal Policies to Reduce the Spread of Invasive Species.”
7. Lau, Z., Zipp, K. Y., Colby, S., & Zikatanov, L. “A Study of the Housing Market’s Response to the Impacts of Climate Change on Flood Risk: A User-Cost Approach.”

#### OTHER PAPERS

1. Fowler, L.B., R. Baxter, S.J. Colby, M. Kelly, K. Kelly-Slatten, and K. Y. Zipp; L.D. Duke and M. Weitzel. (September 2017) "Flood Mitigation for Pennsylvania's Rural Communities: Community-Scale Impact of Federal Policies" Report for the Center for Rural Pennsylvania.  
<http://www.rural.palegislature.us/documents/reports/Flood-Mitigation-2017.pdf>
2. Rice, W. L., Miller, Z., Newman, P. B., Taff, B. D., & Zipp, K. Y. "Recreation Impacts of Road Noise in Death Valley National Park." National Resource Reports. National Park Service.

#### EXTERNAL GRANTS RECEIVED

1. Co-PI "Partnerships for Climate-Smart Commodities Proposal Climate-smart Agriculture that is profitable, Regenerative, Actionable, and Trustworthy (CARAT)" USDA Natural Resources Conservation Service 07/01/2023 - 06/30/28 \$25,000,000. *Prematurely terminated without cause 04/25/2025*
2. Co-PI "Evaluating and Improving the Integrity of Riparian Buffers for Achieving Water Quality Benefits" USDA National Institute of Food and Agriculture 08/01/2023 - 07/31/2026 \$750,000
3. Co-PI "Implementing High Priority Objectives, Strategies, and Actions Identified in the Pennsylvania Aquatic Invasive Species Management Plan" U.S. Fish and Wildlife Service. 07/01/2020 - 06/30/2022 \$748,456
4. Co-PI "Advancing High Priority, Objectives, Strategies and Actions Identified in the Pennsylvania Aquatic Invasive Species Management Plan" U.S. Fish and Wildlife Service. 06/21/2019 - 06/30/2021 \$797,949
5. Co-PI "Flexible Buffer Systems: Enhancing Ecosystem Services and Expanding Agricultural Options in Riparian Areas." USDA National Institute of Food and Agriculture. 01/01/2017 - 12/31/2019 \$499,500
6. PI "Analysis of Ecosystem service valuation and policy design of water quality improvements associated with perennial grasses and cover crops." USDT Federal Aviation Administration Center of Excellence for Alternative Jet Fuels, ASCENT. 8/1/2016 - 7/31/2017 \$200,000
7. Co-PI "Firescapes in the mid-Atlantic: Mismatches between social perceptions and prescribed fire use." USDI Joint Fire Sciences Program. 08/01/2016 - 07/31/2019 \$326,646
8. Co-PI "Flood Mitigation for Pennsylvania's Rural Communities: Community-Scale Impact of Federal Policies." Center for Rural Pennsylvania. 1/20/2016 - 1/20/2017 \$50,000
9. PI "Analysis of Ecosystem service valuation and policy design of water quality improvements associated with perennial grasses and cover crops." USDT Federal Aviation Administration Center of Excellence for Alternative Jet Fuels, ASCENT. 8/1/2015 - 7/31/2016 \$80,000

#### INTERNAL GRANTS RECEIVED

1. PI "Data driven models for economic, environmental, and health impacts on population migration" Penn State Population Research Institute Seed Grant. 07/01/2020 - 06/30/2021 \$22,500.
2. PI "The Study and Simulation of the Mechanisms Driving Species Migration." Penn State Institute for CyberScience Seed Grant. 07/01/2019 - 06/30/2020 \$9,952.
3. Co-PI "Pennsylvania Natural Resources Leadership Program Pilot Project" AESE Strategic Initiatives Funding. 1/1/2015 - 6/30/2015 \$5,850.

GRADUATE  
ADVISEES

**Completed PhD:** 1. Yau-Huo Shr (PhD 2017; Assistant Professor at National Taiwan University) 2. Xiaogu Li (PhD 2020; School of Economics and Management, Beihang University) 3. Max Pohlman (PhD, 2024; Program Evaluation Specialist at Censeo Consulting)

**Current PhD:** 1. Jingzhao Wang (PhD, 2022 – ) 2. Yuhan Gao (PhD, 2023 – ) 3. Chi-a-Chen Hsu (PhD, 2024 – ) 4. James Horine (D.Eng., 2024 – )

GRADUATE  
COMMITTEES

**Completed PhD:** 1. Katie Bernhard (PhD 2024 RPTM) 2. Chiu-Lin Huang (PhD 2023 EEFE), 3. Abdelmoumine Traore (PhD 2023 EEFE), 4. Vishnupriya Sankararaman (PhD 2022 Ecology), 5. Grace Wildermuth (PhD 2021 Rural Sociology), 6. William Rice (PhD 2021, RPTM), 7. Kodzovi Abalo (PhD 2020 ECON), 8. Dong Soon Choi (PhD 2020 AEREC), Jiachuan Tian (PhD 2016 AEREC), 9. Wonjoo Cho (PhD 2016 AEREC), 10. Wei Jiang (PhD 2017 ESM), 11. Renata Rimsaite (PhD 2017 AEREC), 12. Wenfang Xu (PhD 2018 Mathematics), 13. Yangqingxiang Wu (PhD 2019 Mathematics)

**Completed MS:** 1. Gregory Mitchell (MS 2020 EEFE), 2. Sadikshya Sharma (MS 2020), 3. Kyra Sciaudone (MS 2018 ABE), 4. William Rice (MS 2018, RPTM)

**Current PhD:** 1. Shari Edelson (PhD expected 2027 RPTM) 2. Colby Parkinson (PhD expected 2026 RPTM) 3. Elif Basaran (PhD expected 2025 ECON), 4. Zhengqi Lau (PhD expected 2025 Math)

UNDERGRADUATE  
THESIS ADVISEES

1. Maddy Nyblade (2018, co-advisor Honor's Thesis Geoscience) 2. Gregory Mitchell (2017, co-advisor Honor's Thesis CED)

PENN STATE  
SERVICE

**Department**

- Director of Graduate Studies for the Energy, Environmental and Food Economics graduate program (2023-present)
- Chair of Search Committee (2024-2025)
- CED Undergraduate Committee member (2014-Present)
- CED Undergraduate Review committee member (2024-2025)
- Agricultural Economics Cluster Representative (2021 - 2022)
- AESE Promotion and Tenure Committee member (2021, 2023)
- EEFE Graduate Curriculum Committee member (2018)
- Member, AEREC Exam Committee (2017-2018)
- Member, AESE Social Committee (2017-2018)
- Member, Search Committee for an Administrative Support Assistant in AESE (2017)
- Member, Search Committee for an Assistant Professor of Rural Sociology (2015)
- ME John Award Committee member (2015)

**College**

- Member, Committee for Energy University Renewables (2015)

**University**

EXTERNAL  
SERVICE

- Chair, IEE Faculty Co-fund Review Committee (2024-2025)
- Member, IEE Faculty Co-fund Review Committee (2023)
- Member, Center for Landscape Dynamics Steering Committee (2015 - 2022)
- Member, Institute for CyberScience Coordinating Committee (2019 - 2022)
- Co-organizer, Energy and Environmental Economics and Policy (EEEP) weekly Seminar Series (2017-2020)
- Member, Committee for the Intercollege Graduate Degree Program in Energy, Environmental, and Food Economics (EEFE) Prospectus (2015-2017)
- Member, Search Committee to hire a Director and Chief Sustainability Officer for the Sustainability Institute (2016)
- Invited member of the Penn State Sustainability Institute Task Force (2015)
- USDA grant proposal review panel (two times)
- Co-organizing the AERE@AAEA conference sessions (2023-2025)
- Team Leader of the AAEA selected presentations committee, Environmental Economics & Policy (2020-2022)
- Member of the Executive Board of NAREA, 2019-2022
- Topic Leader for the “Environmental Economics & Policy” topic area for the Agricultural and Applied Economics Association (AAEA) Annual Meetings (2021 -2022)
- Northeastern Agricultural and Resource Economics Association (NAREA) Career Advancement and Mentorship (CAM) Program committee (2021-present)
- Guest Academic Editor, *PLOS-ONE*
- Northeastern Agricultural and Resource Economics Association (NAREA) Selected Papers Committee 2017-Present
- Reviewed the USDA Economic Research Service’s “Major Uses of Land in the United States, 2012”
- Reviewed Selected Presentations for the Association of Environmental and Resource Economists (AERE) annual meetings 2017-Present
- Reviewed Selected Presentations for the Northeastern Agricultural and Resource Economics Association (NAREA) annual meetings 2017-Present
- Reviewed Selected Presentations for the Agricultural and Applied Economics Association (AAEA) annual meetings 2015-Present
- Reviewed Selected Presentations for the World Congress of Environmental and Resource Economics annual meetings 2018
- Organizer of a sponsored session at the Northeastern Agricultural and Resource Economics Association (NAREA) annual meetings
- Organizer of a thematic session at the World Congress of Environmental and Resource Economics annual meetings in Gothenburg, Sweden 2018
- Review journal articles for Nature Climate Change, Journal of Association of Environmental and Resource Economists (JAERE), Journal of Environmental Economics and Management (JEEM), Land Economics, American Journal of Agricultural Economics (AJAE), Agricultural and Resource Economics Review (ARER), Ecological Economics, Journal of Applied Econometrics, PLOS-ONE, and more

INVITED  
PRESENTATIONS

**International**

1. Environmental Economics Seminar Series, University of Helsinki. “Farmers’ Preferences for Riparian Buffers: Evidence from the Chesapeake Bay Watershed.” September 13, 2022.
2. 12th International Conference on “Large-Scale Scientific Computations”, 2019. “A Nonlinear Optimization Algorithm for Modeling the Migration of Invasive Species”
3. Workshop on the Economics of Flooding and Coastal Erosion, London UK. “The Effects of Floodplain Remapping and Increases in Flood Insurance Premiums on Housing Markets.” June 22, 2018

**Domestic**

4. Environmental and Natural Resource Economics Seminar Series, University of Rhode Island. “Excess Vulnerability from Subsidized Flood Insurance: Housing Market Adaptation When Premiums Equal Expected Flood Damage.” September 13, 2019.
5. Agricultural and Consumer Economics Department Seminar Series, University of Illinois at Urbana-Champaign. “Modeling Spatial Dependence and Economic Hotspots in Landowners’ Willingness to Supply Bioenergy Crops in the Northeastern United States.” January 25, 2019.
6. Agricultural and Applied Economics Seminar Series, University of Georgia. “Floodplain Housing Stock Dynamics.” November 2, 2018.
7. Applied Economics Seminar Series, University of Delaware. “National Flood Insurance Program and Housing Prices and Supply: A User Cost of Housing Framework.” April 17, 2017
8. Agricultural and Resource Economics Seminar Series, University of Connecticut. “The Social-Ecological Dynamics of Aquatic Species Invasions on a Lake-Rich Landscape.” February 12, 2016

CONFERENCE  
PRESENTATIONS

**International**

1. World Congress of Environmental and Resource Economists, 2018 Thematic Session “How Flood Risk Seeps into Housing Markets”: Floodplain Housing Stock Dynamics
2. NAREA & CAES Joint Annual Meeting & Workshop, 2015 Selected Paper: Social-Ecological Dynamics of Aquatic Species Invasions on a Lake-Rich Landscape
3. NAREA & CAES Joint Annual Meeting & Workshop, 2015 Economics of Water Quality Workshop Program: Lags in Pollution Delivery: Implications for the Design of Water Quality Trading Programs

**Domestic**

4. NAREA Annual Conference, 2024. “A Study of the Housing Market’s Response to the Impacts of Climate Change on Flood Risk: A User-Cost Approach,” (with S. Colby, Z. Lau, and L. Zikatanov)
5. NAREA Annual Conference, 2023. “Approximating optimal policies to reduce the spread of invasive species,” (with Z. Lau, and L. Zikatanov)
6. 8th Annual Conference on Environmental Politics & Governance, 2022. “Approximating optimal policies to reduce the spread of invasive species,” (with Z. Lau, and L. Zikatanov)

7. Social cost of Water Pollution Workshop 2023. “Empirical Evaluation of Non-Point Source Pollution Abatement- is an Improvement Detectable?” (Presented by Max Pohlman)
8. AERE Annual Meeting 2022. “Empirical Evaluation of Non-Point Source Pollution Abatement- is an Improvement Detectable?” (Presented by Max Pohlman)
9. NAREA Annual Meeting 2022 Selected Paper. “Farmers’ Preferences for Riparian Buffers: Evidence from the Chesapeake Bay Watershed .” (Presented by Max Pohlman)
10. NAREA Annual Meeting 2022 Post-Conference Workshop. “Empirical Evaluation of Non-Point Source Pollution Abatement- is an Improvement Detectable?” (Presented by Max Pohlman)
11. W4133 Annual Meeting 2022. “Empirical Evaluation of Non-Point Source Pollution Abatement- is an Improvement Detectable?” (Presented by Max Pohlman)
12. Rural Sociological Society Annual Meeting, 2019 Selected Paper: “Assessing Population Change from Marcellus Shale Development in Pennsylvania Using Zillow Housing Data.” (presented by Grace Wildermuth\*)
13. AAEE Annual Meeting, 2019 Selected Poster: “Flexible Buffer Systems: Enhancing Ecosystem Services and Expanding Agricultural Options in Riparian Areas.” (presented by Xiaogu Li\*)
14. 25th International Symposium on Society and Resource Management, 2019 Selected Poster: “Measuring Population Change Related to Marcellus Shale Development in Pennsylvania: An exploratory analysis using Zillow housing data.” (presented by Kathryn Brasier)
15. AERE Annual Meeting, 2019 Selected Paper: “Optimal spatial-dynamic management to minimize the damages caused by aquatic invasive species.”
16. AERE Annual Meeting, 2019 Selected Paper: “Flexible Buffer Systems: Enhancing Ecosystem Services and Expanding Agricultural Options in Riparian Areas.” (presented by Xiaogu Li\*)
17. Social Cost of Water Pollution Workshop, 2019 Selected Paper: “Integrated Assessment Modeling for Design of Riparian Buffer Systems and Incentives for Adoption”
18. W4133 Meeting, 2019. “Feeling the Burn: The Optimal Timing of Prescribed Fires for Recreational Benefits.” (presented by Yau-Huo Shr)
19. AAEE Annual Meeting, 2018 Selected Paper (Lightning Round): Factors Affecting Farmers Adoptions of Flexible Riparian Buffers (presented by Xiaogu Li\*)
20. NAREA Annual Meeting & Workshop, 2018 Selected Paper: Optimal spatial-dynamic management policies to minimize the damages caused by aquatic invasive species
21. NAREA Annual Meeting & Workshop, 2018 Selected Paper: Factors Affecting Farmers Adoptions of Flexible Riparian Buffers
22. NAREA Annual Meeting & Workshop, 2017 Selected Paper: Housing Prices and Flood Insurance: The Effect of an Unexpected Increase in Insurance Premiums on Housing Markets (presented by Scott Colby)
23. NAREA Annual Meeting & Workshop, 2017 Selected Paper: Land Use Conversion for Perennial Energy Crops Production: Dynamics and Uncertainty (presented by Xiaogu Li\*)
24. AAEE Annual Meeting, 2017 Selected Poster: Land Use Conversion for Perennial Energy Crops Production: Dynamics and Uncertainty (presented by Xiaogu Li\*)



25. ASCENT Advisory Committee Meeting, 2017 Presentation: Sustainability Impacts of Biofuels Feedstocks in the Mid-Atlantic
26. Meeting of the International Society of Forest Resource Economics, 2016 Presentation: An Economic Assessment of Land-Use Changes between Food and Bioenergy Crops on Marginal Land (presented by Wei Jiang\*)
27. AAEA Annual Meeting, 2016 Selected Paper: Valuing complementarity between environmental goods and housing attributes with the benefit function: An application to flood hazards (presented by Yau-Huo Shr\*)
28. NAREA Annual Meeting & Workshop, 2016 Selected Paper: Valuing complementarity between environmental goods and housing attributes with the benefit function: An application to flood hazards (presented by Yau-Huo Shr\*)
29. ASCENT Advisory Committee Meeting, 2016 Presentation & Poster: Sustainability Impacts of Biofuels Feedstocks in the Mid-Atlantic
30. AERE Summer Conference in San Diego, CA, 2015 Selected Presentation: Social-Ecological Dynamics of Aquatic Species Invasions on a Lake-Rich Landscape
31. Occasional California Workshop in Environmental and Resource Economics, 2013 Selected paper: Social-Ecological Dynamics of Aquatic Species Invasions on a Lake-Rich Landscape
32. AAEA Annual Meetings in Seattle, WA, 2012 Selected Presentation: Using the benefit function to value non-market goods: An application to open-space conservation
33. AAEA Annual Meetings in Seattle, WA, 2012 Selected Presentation: The effects of open-space conservation on ecosystems: An application of a joint ecological-economic model
34. AERE Summer Conference in Asheville, NC, 2012 Selected Presentation: Using the benefit function to value non-market goods: An application to open-space conservation
35. AERE Summer Conference in Asheville, NC, 2012 Selected Presentation: The effects of open-space conservation on ecosystems: An application of a joint ecological-economic model
36. Heartland Environmental and Resource Economics Workshop at Illinois in Urbana, Champaign, IL, 2011, Long Presentation: Does open space conservation increase neighboring development?
37. CENREP Camp Resources XVIII in Wrightsville Beach, NC, 2011, Research Sketch: Does open space conservation increase neighboring development?
38. AERE Summer Conference in Seattle, WA, 2011, Selected Presentation: Does open space conservation increase neighboring development?
39. AAEA Annual Meetings in Pittsburgh, PA, 2011, Selected Poster Tour: Modeling the effects of open space on private land
40. AAEA Annual Meetings in Pittsburgh, PA, 2011, Selected Poster: Market power and/or cost-efficiencies in ITQ fisheries? (with R.L.O. Cleary and C. Grainger)

#### **Local/Regional**

41. Penn State Climate Solutions Symposium. "Floodplain Housing Stock Dynamics" May 14, 2024 - May 15, 2024
42. Penn State Water Insights seminar "Optimal spatial-dynamic management policies to minimize the damages caused by aquatic invasive species." February 20, 2018 ([link](#))

43. Penn State Energy and Environmental Economics and Policy Seminar. “Feeling the burn: the optimal timing of prescribed fires for recreational benefits.” October 24, 2018
44. Student Organization for Society and Natural Resources Seminar Series. “Feeling the burn: the optimal timing of prescribed fires for recreational benefits.” October 12, 2018
45. Penn State Water Resources Extension webinar “An Economic Assessment of Land-Use Changes between Food and Bioenergy Crops on Marginal Land” (presented by Wei Jiang). July 27, 2016
46. NewBio All-Hands Meeting, 2016 Presentation: An Economic Assessment of Land-Use Changes between Food and Bioenergy Crops on Marginal Land (presented by Wei Jiang\*)
47. Penn State Energy Days, 2016 Poster: An Economic Assessment of Land-Use Changes between Food and Bioenergy Crops on Marginal Land (presented by Wei Jiang\*)
48. Penn State Energy and Environmental Economics and Policy Seminar, 2016 Presentation: An Economic Assessment of Land-Use Changes between Food and Bioenergy Crops on Marginal Land (presented by Wei Jiang\*)
49. Stochastic Modeling and Computational Statistics seminar series, Department of Statistics, Penn State. “The Social-Ecological Dynamics of Aquatic Species Invasions on a Lake-Rich Landscape.” October 30, 2015
50. Penn State Energy and Environmental Economics and Policy Seminar. “The Social-Ecological Dynamics of Aquatic Species Invasions on a Lake-Rich Landscape.” May 8, 2015

#### HONORS AND AWARDS

2017 ARER Best Article Award for Shortle, J., D. Abler, Z. Kaufman, and K. Y. Zipp (2016) “Simple vs. Complex: Implications of Lags in Pollution Delivery for Efficient Load Allocation and Design of Water-quality Trading Programs” *Agricultural and Resource Economics Review* 45(2): 367-393.

Nominated Participant, 4th Meeting of the Nobel Laureates in Economics, Lindau, Germany, August 2011

#### AFFILIATIONS

- Agricultural and Applied Economics Association (AAEA)
- Association of Environmental and Resource Economists (AERE)
- Northeastern Agricultural and Resource Economics Association (NAREA) Allied Social Sciences Association (ASSA)
- Career Advancement and Mentorship (CAM) Program mentee in NAREA, 2015
- CeMENT Mentoring mentee in the American Economic Association’s Committee on the Status of Women in the Economics Profession (CSWEP), 2016