

Todd Guilfoos

CONTACT INFORMATION:

240 South Rd.
East Greenwich, RI 02818
Phone Number: 312-505-2120

PERSONAL INFORMATION:

U.S. citizen
E-mail Address: guilfoos@uri.edu
<https://www.toddguilfoos.com/>

POSITIONS HELD:

Associate Professor, Department of Environmental and Natural Resource Economics. University of Rhode Island. 2019 – Present.

Assistant Professor, Department of Environmental and Natural Resource Economics. University of Rhode Island. 2013 – 2019.

Associate Editor- Water & Resource Economics (2020-)
URI SimLab Director, 2017-Ongoing
Co-Coordinator of Global Water Resources Minor, 2016-Ongoing

EDUCATION:

Ph.D., Economics, Binghamton University, 2013
Dissertation Title: “Essays in Groundwater Economics”
B.A.B.S., Finance and Business Economics, The Ohio State University, 2001

RESEARCH INTERESTS:

Water Resource Economics, Behavioral Economics, Non-market Valuation, Complex Systems

PUBLISHED PAPERS:

- 1) Guilfoos, T., Pape, A. D. (2020). Estimating Case-Based Learning. *Games*, 11(3), 38.
- 2) Edwards, E., Guilfoos, T. (2020). The Economics of Groundwater Governance Institutions Across the Globe. *Applied Economic Perspectives and Policy*. (Forthcoming)
- 3) Zia, A., Ding, S., Messer, K. D., Miao, H., Suter, J. F., Fooks, J. R., ... & Merrill, S. (2020). Characterizing Heterogeneous Behavior of Non-Point-Source Polluters in a Spatial Game under Alternate Sensing and Incentive Designs. *Journal of Water Resources Planning and Management*, 146(8), 04020054.
- 4) Weir, M. J., Ashcraft, C. M., Leuchanka Diessner, N., McGreavy, B., Vogler, E., & Guilfoos, T. (2020). Language effects on bargaining. *Plos one*, 15(3), e0229501.
- 5) Guilfoos, T., Hayden, S., Uchida, E., & Oyanedel Craver, V. (2019). WTP for Water Filters and Water Quality Testing Services in Guatemala. *Water Resource and Economics*: 100139.

- 6) Guilfoos, T., Miao, H., Trandafir, S., & Uchida, E. (2019). Social Learning and Communication with Threshold Uncertainty. *Resource and Energy Economics*. 55, 81-101.
- 7) Boslett, A., Guilfoos, T., & Lang, C. (2019). Valuation of the External Costs of Unconventional Oil and Gas Development: The Critical Importance of Mineral Rights Ownership. *Journal of the Association of Environmental and Resource Economists*. 6(3), 531-561.
- 8) Brozyna, C., Guilfoos, T., & Atlas, S. (2018). Slow and deliberate cooperation in the commons. *Nature Sustainability*, 1(4), 184.
- 9) Guilfoos, T., Kell, D., Boslett, A., & Hill, E. L. (2018). The Economic and Health Effects of the 2014 Chemical Spill in the Elk River, West Virginia. *American Journal of Agricultural Economics*.
- 10) Merrill, N. H., & Guilfoos, T. (2018). Optimal groundwater extraction under uncertainty and a spatial stock externality. *American journal of agricultural economics*, 100(1), 220-238.
- 11) Guilfoos, T., & Kurtz, K. J. (2017). Evaluating the role of personality trait information in social dilemmas. *Journal of Behavioral and Experimental Economics*, 68, 119-129.
- 12) Delgado, M. S., Guilfoos, T., & Boslett, A. (2016). The cost of unconventional gas extraction: A hedonic analysis. *Resource and Energy Economics*, 46, 1-22.
- 13) Guilfoos, T., Khanna, N., & Peterson, J. M. (2016). Efficiency of Viable Groundwater Management Policies. *Land Economics*, 92(4), 618-640.
- 14) Miao, H., Fooks, J. R., Guilfoos, T., Messer, K. D., Pradhanang, S. M., Suter, J. F., ... & Uchida, E. (2016). The impact of information on behavior under an ambient-based policy for regulating nonpoint source pollution. *Water Resources Research*.
- 15) Booth, P. L., Guilfoos, T., & Uchida, E. (2016). Endowment Effects and Drinking Water Quality. *Agricultural and Resource Economics Review*, 45(02), 338-366.
- 16) Kim, C. S., & Guilfoos, T. (2016). The Effect of Cost-share Programs on Ground Water Exploitation and Nonpoint-source Pollution under Endogenous Technical Change. *Agricultural and Resource Economics Review*, 45(02), 394-417.
- 17) Boslett, A., Guilfoos, T., & Lang, C. (2016). Valuation of expectations: a hedonic study of shale gas development and New York's Moratorium. *Journal of Environmental Economics and Management*, 77, 14-30.

18) Guilfoos, T., & Pape, A. D. (2016). Predicting human cooperation in the Prisoner's Dilemma using case-based decision theory. *Theory and Decision*, 80(1), 1-32.

19) Pape, A. D., Guilfoos, T., Anderson, N. B., & Schmidt, J. (2016). Rational Expectations Voting in Agent-Based Models: An Application to Tax Ceilings. *Review of Behavioral Economics*, 3(1), 47-90.

20) Guilfoos, T., Pape, A. D., Khanna, N., & Salvage, K. (2013). Groundwater management: The effect of water flows on welfare gains. *Ecological Economics*, 95, 31-40.

NON-REFEREED PAPERS:

1) Guilfoos, T., & Uchida, E. (2016). Special Issue on Economics of Water Quality: Challenges, Policies, and Behavioral Mechanisms. *Agricultural and Resource Economics Review*, 45(02), 209-216.

BOOK CHAPTERS:

1) Uchida, E., Rivera-Monroy, V., .. et al. (2019). Collaborative Research Across Boundaries: Mangrove Ecosystem Services and Poverty Traps as a Coupled Natural-Human System. *Collaboration Across Boundaries for Social-Ecological Systems Science*.

WORKING PAPERS:

“Case-based Reasoning and Location Choice Modeling” (with Priya Behanan)- *In Review*

“Estimating Habit forming and Variety-seeking Behavior: Non-market Valuation of Recreational Birdwatching” (with Priya Behanan and Sonja Kolstoe)

“Cooperative Heuristics and Collective Action” (with Jordan Suter) - *In Review*

“How Does Communication Facilitate Cooperation?”

"Hedonic Valuation of Dam Removals" (with Jason Walsh)

“Visual Representations in a Choice Experiment: Valuing Preferences for a Local Dam” (with Priya Thomas, Simona Trandafir, Emi Uchida, and Emily Vogler) - *In Review*

RESEARCH IN PROGRESS:

“Value of Waterpower in the American Industrial Revolution”

“Racial Differences in School Water Lead Exposure” (with Sarah Jacobson and Elaine Hill)

GRANTS:

USDA AFRI Foundational Grant, 2020-2021. “Content Analysis Sabbatical Grant”, \$129,741 (PI).

USDA AFRI Foundational Grant, 2019-2021. “Mental Scarcities and Groundwater Management Preferences”, \$200,000 (PI).

National Science Foundation, 2013-2015. “The North East Water Resources (NEWRnet) consortium of EPSCoR”, \$6 million (Investigator).

USDA AFRI Foundational Grant 10.310, 2015-2016. “Water Quality Economics Workshop”, \$47,882 (PI).

USGS, Water Mini-Grant, 2015-2016. “Common Pool Resource and Water Quality Experiments”, \$58,811 (PI)

National Science Foundation, 2015-2019. “Strengthening the scientific basis for making decisions about dams: Balancing environmental, social, and economic trade-offs in a changing climate”, \$1.6 million (Experimental Team Lead).

National Science Foundation, 2015-2017. “CNH-S: Poverty traps and mangrove ecosystem services in coastal Tanzania”, \$500,000 (Co-PI).

TEACHING EXPERIENCE:

Class Taught:

Environmental Economics (Masters Level)
Water Resource Economics (Upper Level Undergraduate)
Environmental Economics (Upper Level Undergraduate)
Introduction to Water Resources (Undergraduate)
Poverty and Discrimination Economics (Online Class)

AWARDS:

Dissertation Year Fellowship, Binghamton University – Spring 2013
Graduate Student Travel Award, Binghamton University, Graduate Student Organization –
Summer 2012, Spring 2012
Student Travel Grant, European Association of Environmental and Resource Economics –
Summer 2011
Synthesis Summer Institute Fellowship: Humans Transforming the Hydrologic Cycle, NSF and
CUAHSI – Summer 2009

CONFERENCE AND SEMINAR PRESENTATIONS:

Behavioral Game Theory Workshop, Virtual 2020
NAERE Annual Meeting, Virtual 2020
AERE Annual Meeting, Virtual 2020
AEA Annual Meeting, Atlanta, GA January 2019

AAEA Annual Meeting, Washington D.C, August 2018
NAREA Annual Meeting, Philadelphia, PA, June 2018
Michigan State University Seminar, January 2018
IWREC Water Conference, Waterloo, Canada, September 2017
AAEA Annual Meeting, Chicago, IL, July 2017
NAREA Annual Meeting, Washington D.C., June 2017
Kansas State University Seminar, December 2015
Rutgers University Seminar, December 2015
SABE-Economics and Psychology, Sibui, Romania, August 3 –August 7, 2015
NAREA Workshop, Newport, RI June 27-28, 2015
IWREC, Washington D.C., Sept 2014
World Congress of Environmental and Resource Economists, Istanbul, Turkey, June 28 -July 2, 2014
NAREA Workshop, Morganstown, WV June, 2014
Eastern Economic Association Annual Meeting, Boston, March 7-9, 2014
Heartland Environmental & Resource Economics Workshop at Illinois, Urbana-Champaign, IL November 2-3, 2013
NAREA, Ithaca, NY June 26-28, 2013
Princeton University, Woodrow Wilson School- October 17, 2012
AERE Summer Conference, Asheville, NC, June 3-5, 2012 –Two paper presentations
Agricultural Economics Seminar, Kansas State University, Manhattan, Kansas, April 24, 2012
Southern Economics Association, Washington D.C., November 19-21, 2011
Complex Systems Seminar, Binghamton University, Binghamton, New York, November 2, 2011
European Association of Environmental and Resource Economists, Tor Vergata, Rome, Italy, June 29 -July 2, 2011
International Water Resources Economic Consortium, Banff, Canada, June 25-27, 2011
Eastern Economic Association Annual Meeting, New York, New York, February 25-27, 2011

PROFESSIONAL AFFILIATIONS AND ACTIVITIES:

Associations:

American Economic Association, Association of Environmental and Resource Economists, Northeast Agricultural and Resource Economics Association, Agricultural and Applied Economics Association.

Referee:

Nature Sustainability, JAERE, JEEM, AJAE, Land Economics, Water & Resources and Economics, ERE, JARE, WRR, REE, ARER

Major Professor for Graduate Students:

Nathaniel Merrill – PhD
Andrew Boslett – PhD
Chris Broznya- PhD
Priya Thomas- PhD
Max Pohlman- MS
EhsanReza Sajedinia- MS

Past Positions Held:

Program Committee, International Conference on Complex Systems 2018

Program Committee, Northeast Regional Conference on Complex Systems 2018, 2019

NAREA Board Member, 2017-2020

Chair, Agricultural Experiment Station W3190 2016-2017

Vice Chair, Agricultural Experiment Station W3190 2015-2016

Secretary, Agricultural Experiment Station W3190 2014-2015

Faculty Senate URI, 2016

Graduate Admission Chair, 2015-Ongoing

Organizer of Water Quality Economics Workshop for NAREA 2015

Co-editor with Emi Uchida of Special Issues on Water Quality Economics: 2016 ARER