**Todd Guilfoos**

**PERSONAL INFORMATION:**

U.S. citizen

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**CONTACT INFORMATION:**

240 South Rd.

East Greenwich, RI 02818

Phone Number: 312-505-2120

**CURRENT POSITION:**

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.

**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., Hayden, S., Uchida, E., & Oyanedel Craver, V. (2019). WTP for Water Filters and Water Quality Testing Services in Guatemala. *Water Resource and Economics*. (Forthcoming)
2. Guilfoos, T., Miao, H., Trandafir, S., & Uchida, E. (2019). Social Learning and Communication with Threshold Uncertainty. *Resource and Energy Economics*. 55, 81-101.
3. Boslett, A., Guilfoos, T., & Lang, C. (2018). 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 (Forthcoming)*
4. Brozyna, C., Guilfoos, T., & Atlas, S. (2018). Slow and deliberate cooperation in the commons. *Nature Sustainability*, *1*(4), 184.
5. 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*.
6. 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.
7. 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.
8. Delgado, M. S., Guilfoos, T., & Boslett, A. (2016). The cost of unconventional gas extraction: A hedonic analysis. *Resource and Energy Economics*, 46, 1-22.
9. Guilfoos, T., Khanna, N., & Peterson, J. M. (2016). Efficiency of Viable Groundwater Management Policies. *Land Economics*, 92(4), 618-640.
10. 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*.
11. Booth, P. L., Guilfoos, T., & Uchida, E. (2016). Endowment Effects and Drinking Water Quality. *Agricultural and Resource Economics Review*,*45*(02), 338-366.
12. 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.
13. 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.
14. 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.
15. 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.
16. 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:**

"Groundwater Depletion and International Political Borders" (Guilfoos T., Puggioni G.) – *In Review*

"Case-based Learning" Todd Guilfoos and Andreas D. Pape- *In Review*

“Modeling Natural Resource Location Choice Behavior: Case-based Decision Theory” Priya Behanan and Todd Guilfoos

​​“The Language of Bargaining” Mike Wier, Todd Guilfoos, Cat Ashcroft, Bridie McGreavey, Emily Vogler, and Natalia Leuchanka- *In Review*

**RESEARCH IN PROGRESS:**

“Value of Water in the Industrial Revolution” Todd Guilfoos

"Hedonic Valuation of Dam Removals" Jason Walsh and Todd Guilfoos

**GRANTS:**

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)

Introductory Macroeconomics

**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:**

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-Champagne, 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:**

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

## Referee: Journal of the American Water Resources Association, Journal of Natural Resources Policy Research, Natural Resource Modeling, Land Economics, Water Resources and Economics, Environmental and Resource Economics, Journal of Empirical Legal Studies, Journal of Agricultural and Resource Economics, Sustainable Cities and Society, Australian Journal of Agricultural and Resource Economics, American Journal of Agricultural Economics, Water Resources Research, Agricultural Economic, Agricultural and Resources Economics Review, Expert Systems and Applications, Journal of Contemporary Water Research and Education

Program Committee, International Conference on Complex Systems 2018

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

URI SimLab Director, 2017-Ongoing

NAREA Board Member, 2017-Ongoing

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

Co-Coordinator of Global Water Resources Minor, 2016-Ongoing

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