

Todd Guilfoos

CONTACT INFORMATION:

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East Greenwich, RI 02818
Phone Number: 312-505-2120

PERSONAL INFORMATION:

U.S. citizen
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CURRENT POSITION:

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

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, Environmental and Resource Economics, Behavioral Economics, Computational Economics, Non-market Valuation, Complex Systems

PUBLISHED PAPERS:

- 1) "The Cost of Hydraulic Fracturing: A Hedonic Analysis" (Delgado M., Guilfoos T., Boslett A.) - (*Forthcoming Resource and Energy Economics*)
- 2) "Efficiency of Viable Groundwater Management Policies" (Guilfoos T., Khanna N., Peterson J.) (*Forthcoming: Land Economics*)
- 3) 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*.
- 4) Booth, P. L., Guilfoos, T., & Uchida, E. (2016). Endowment Effects and Drinking Water Quality. *Agricultural and Resource Economics Review*, 45(02), 338-366.
- 5) 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.
- 6) 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.

- 7) 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.
- 8) 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.
- 9) 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.

WORKING PAPERS:

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

"Optimal Groundwater Extraction Under Uncertainty and a Spatial Stock Externality" (Merrill N., Guilfoos T.)- (*R&R AJAE*)

"Threshold Uncertainty, Communication and Coordination" (Guilfoos T., Miao H., Trandafir S., Uchida E.) - *In Review*

Personality and Cooperative Expectations (Guilfoos T., Kurtz K.) – *In Review*

"No Country for Mineral Rights: A Hedonic Valuation of Tight Gas Development in Colorado" (Andrew Boslett, Todd Guilfoos, and Corey Lang) – (*R&R JAREA*)

RESEARCH IN PROGRESS:

“Value of Water in the Industrial Revolution” Guilfoos T., Gold A.

“Intuitive Decisions and Dynamic Common Pool Resources” Guilfoos T., Broznya C.

"Hedonic Valuation of Dam Removals" Todd Guilfoos and Emi Uchida

"Econometric Estimation of Case-based Learning" Todd Guilfoos and Andreas D. Pape

“Case-based Reasoning and Fishing Location Choice” Priya Behanan and Todd Guilfoos

GRANTS:

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 (Co-PI).

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:

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:

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

Referee: 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

Vice President of Agricultural Experiment Station W3190

Faculty Senate URI

Co-Coordinator of Global Water Studies Minor

Graduate Admission Chair

Organizer of Water Quality Economics Workshop for NAREA 2015

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