
Office of the Chief Economist
Building 99, Office 4623
Seattle, WA 98052
+1.425.703.3085(o) +1.858.531.5170 (c)
jlariv@microsoft.com

Jacob Sean LaRiviere
Senior Researcher, Microsoft

EDUCATION:

Ph.D., University of California, San Diego, Economics, 2010
M.A., University of California, San Diego, Economics 2006
B.A., University of California, Berkeley, Economics, 2003

RESEARCH FIELDS:

Primary Fields: Environmental & Public Economics, Behavioral Economics, Industrial Organization
Secondary Fields: Information and Uncertainty, Applied Microeconomics, Applied Theory

PROFESSIONAL EXPERIENCE:

2016-current Affiliate Professor, University of Washington
2015-current Senior Researcher, Office of the Chief Economist, Microsoft
2015-current Adjunct Assistant Professor, University of Tennessee
Fall 2013 Visiting Assistant Professor, University of Washington
2011-current Research Fellow for Energy and Environment, Howard Baker Jr. Center for Public Policy
2010-2015 Assistant Professor, University of Tennessee

PUBLICATIONS:

Jacobsen, M., **LaRiviere, J.**, and Price, M. (2016) Public Policy and the Private Provision of Public Goods Under Heterogeneous Preferences, *Journal of the Association of Environmental and Resource Economists*, *accepted*.

Boettiger, C., Bode, M., Sanchirico, J., **LaRiviere, J.**, Hastings, A. and Armsworth, P. (2016) Optimal Stochastic Resource Management with Costly Policy Adjustment. *Ecological Applications*, 26(3): 808-817.

Czajkowski, M., Hanley, N., and **LaRiviere, J.** (2016). Controlling for the Effects of Information in a Public Goods Discrete Choice Model. *Environmental and Resource Economics*. 63(3): 523-544.

LaRiviere, J. and Wolff, H. (2015). The Power of the Little Blue Pill: Innovations and Implications of Life Style Drugs in an Aging Population. *Economic Inquiry*. 53(1): 540-556.

Czajkowski, M., Hanley, N., and **LaRiviere, J.** (2015). The Effects of Experience on Preferences: Theory and Empirics for Environmental Public Goods. *American Journal of Agricultural Economics*, 97(1): 333-351.

LaRiviere, J., Czajkowski, M., Hanley, N., Aanesen, M., Falk-Petersen, J. and Tinch, D. (2014). The Value of Familiarity: Effects Knowledge and Objective Signals on Willingness to Pay for a Public Good. *Journal of Environmental Economics and Management*, 68(2): 376-389.

Cozad, M. and **LaRiviere, J.** (2013). Fuel Price Changes and the Timing of Household Driving Decisions. *Journal of Environmental Economics and Management*, 65(2): 194-207.

Fissel, B., Gilbert, B., and **LaRiviere, J.** (2013). Technology Adoption and Diffusion with Uncertainty in a Commons. *Economics Letters*, 120(2): 297-301.

WORKING PAPERS:

Pass-through from Fossil Fuel Market Prices to Procurement Costs of the U.S. Power Producers
Joint with Scott Holladay and Yin Chu
(Revisions Requested, *Journal of Industrial Economics*)

The Impact of Cheap Natural Gas on Marginal Emissions from Electricity Generation and Implications for Energy Policy
Joint with Scott Holladay
(Revisions Requested, *Journal of Environmental Economics and Management*)

Agency Problems and Dividend Policies: Experimental Evidence
Joint with Matt McMahon and Bill Neilson
(Revisions Requested, *Management Science*)

How Does Welfare from Load Shifting Electricity Policy Vary with Market Prices? Evidence from Bulk Storage and Electricity Generation
Joint with Scott Holladay
(Revisions Requested, *Energy Journal*)

Optimal Pollution Control with Structural Uncertainty
Joint with Richard Carson
(Revisions Requested, *Environmental and Resource Economics*)

Characterizing Uncertainty and Learning in the Economics of Resource and Environmental Management
Joint with David Kling, Jim Sanchirico, Charles Sims, Mike Springborn
(Revisions Requested)

Prices vs. Nudges: A Large Field Experiment on Energy Efficiency Fixed Cost Investments
Joint with Michael Price, Scott Holladay and David Novgorodsky
(under review)

Optimal and Second Best Timing of Environmental Cleanups
Joint with Matt McMahon and Justin Roush
(Under Review)

Measuring Indirect Benefits: Fracking, Coal and Air Pollution
Joint with Reid Johnson and Hendrik Wolff

(undergoing revision)

What is the Causal Effect of Knowledge on Preferences?

Joint with Mikolaj Czajkowski, Nick Hanley and Katherine Simpson

(Under Review)

What is the Causal Effect of Learning about a Public Good on Willingness to Pay?

Joint with Mikolaj Czajkowski, Nick Hanley, Bill Neilson, and Katherine Simpson

(Under Review)

New Markets and New Market Frictions: Evidence from Ethanol and Retail Gasoline Prices

Joint with Luiz Lima and Shukhrat Musinov

(Undergoing revision)

Learning and Valuation with Costly Attention

Joint with Bill Neilson

(undergoing revision)

What are the Benefits to Flexible Regulatory Mechanisms? Evidence from the Electricity Market

Joint with Scott Holladay

(undergoing revision)

RESEARCH IN PROGRESS:

What's More Important in Resource Management: Where You Are or Where You're Going?

Joint with Iadine Chades, Carl Boettiger, and Alan Hastings

Additionality and Second Best Policy: Evidence from in Home Energy Audits

Joint with Ben Gilbert and Kevin Novan

K-means Clustering for Control Groups: Estimating Impacts of Water Infrastructure Failure on Traffic

Joint with Casey Wichman and Brandon Cunningham

OTHER PUBLICATIONS:

[Where Predictive Analytics is Having the Biggest Impact](#). *Harvard Business Review* online, May 2016, Jacob LaRiviere, Preston McAfee, Justin Rao, Vijay K. Narayanan, and Walter Sun

How Better Accounting Can More Cheaply Reduce Carbon Emissions, Howard Baker Jr. Center Policy Brief, August 2016. Jacob LaRiviere, Gavin McCormick and Sho Kawano

GRANTS & AWARDS:

2015-2016 Department of Homeland Security, *The Economic Value of Water Infrastructure Resilience*, Principal Investigator (\$235,020)

2012 Baker Center Research Grants (\$20,000 and \$11,000)

2011 University of Tennessee SARIF Grant (\$11,000)

2010 Best Undergraduate Course Teaching, UCSD

PROFESSIONAL PRESENTATIONS:

- 2016 5th Annual Conference for Environmental and Resource Economists.
- 2015 4th Annual Conference for Environmental and Resource Economists.
- 2014 World Congress for Environmental and Resource Economists, Istanbul, Turkey, NBER EEE Summer Institute.
- 2013 AEA Meetings, San Diego, CA, NBER EEE Summer Institute, 3rd Annual Conference for Environmental and Resource Economists, Alberta, Canada
- 2012 2nd Annual Conference for Environmental and Resource Economists, Asheville, NC.
- 2011 9th Annual Conference for Industrial Organization Society, Boston, MA. 1st Annual Conference for Environmental and Resource Economists, Seattle, WA. NAAFE Conference, Honolulu, HI. WEAI Conference, San Diego, CA.
- 2010 World Congress for Environmental and Resource Economists, Montreal, Canada. International Institute for Fisheries Economists and Trade, Montpellier, France.
- 2008 European Association of Environmental and Resource Economists 16th Annual Conference, Gothenburg, Sweden.

SEMINAR PRESENTATIONS:

- 2015 Oregon State University, University of Wyoming, Resources for the Future, University of California at Davis.
- 2014 Colorado Environmental and Resource Economics Workshop,
- 2013 Monash University, UC San Diego, UNC-Greensboro, University of Washington
- 2012 TREE Seminar (NC State, RTI and Duke), Universidad de Alicante, Energy Institute at Haas
- 2011 University of Minnesota, Colorado Environmental and Resource Economics Workshop.
- 2010 12th Occasional California Workshop on Environmental and Resources Economics, Universitat Autònoma de Barcelona, Tufts University, Portland State University, University of Tennessee, University of Oregon.
- 2009 University of South Carolina, Colorado Environmental and Resource Economics Workshop, University of California at San Diego.

INVITED WORKSHOPS

- 2011-2015: NIMBioS Working Group on Pretty Darn Good Control: Extensions of Optimal Control for Ecological Systems
- 2013: Mathematical Biosciences Institute, Ohio State University, Sustainable Management of Living Natural Resources.
- 2008: Workshop for Technical Change in Renewable Resource Economics, Helsingor, Denmark

SERVICE & CONSULTING:

National Oceanic and Atmospheric Association, City of Knoxville. Advisory Board member for National Institute of Mathematical and Biological Synthesis. Co-founder Baker Center Energy and Environment

Forum. Ad Hoc reviewer for Sloan Foundation and National Science Foundation. The Prison Scholar Fund.

PROFESSIONAL AFFILIATIONS:

AERE, AEA.

REFEREEING:

American Journal of Agricultural Economics, Econometrica, Economic Inquiry, Economics Letters, Environmental and Resource Economics (x4), Environmental Science and Technology (x2), Journal of Economic Psychology, Journal of Public Economics, Journal of the Association of Environmental and Resource Economists (x4), Journal of Behavioral and Experimental Economics, Journal of Economic Behavior and Organization (x5), Journal of Environmental Economics and Management (x3), Journal of Environmental Management, Marine Resource Economics, Natural Resource Modeling, Resource and Energy Economics, SIAM Journal on Applied Mathematics,

TEACHING:

University of Washington
Economics 404: Industrial Organization and Data Science (Undergraduate)

University of Tennessee
Economics 678: Environmental Economics and Policy (PhD)
Economics 698: Interdisciplinary Research & Energy and Environmental Policy (PhD)
Economics 581: Mathematical Tools for Economists (PhD)
Economics 482: Introduction to Mathematical Economics (Undergraduate)
Economics 463: Environmental Economics (Undergraduate)
Economics 312: Managerial Economics (Undergraduate)

ADVISING:

PhD: Yin Chu, 2015, Zhongnan University of Economics and Law, Co-Chair
Matt McMahon, 2015, University of Arkansas, Little Rock, Committee
Sangsoo Park, 2015, Korea Institute of Industrial Economics and Trade, Committee
Rachel Fovargue, 2016, Committee (in progress)
Masters: Sharon Watson (Spring 2012, Committee)
Honors Thesis: Robert Davis (Spring 2013), Zach Hethmon (Spring 2014), Hannah Oakley (Fall 2014)