

Lusi Xie

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Department of Applied Economics and Statistics
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Research Fields

Environmental valuation, Experimental and behavioral economics, Applied econometrics

Appointments

Postdoctoral Researcher	2021 – Present
Center for Experimental and Applied Economics (CEAE), University of Delaware Water in the Changing Coastal Environment in Delaware (Project WiCCED) Center for Behavioral and Experimental Agri-Environmental Research (CBEAR)	
Research Assistant	2017 – 2020
Department of Resource Economics and Environmental Sociology, University of Alberta	
Survey Researcher	2015
University of California Cooperative Extension	
Research Assistant	2014 – 2015
Department of Agricultural and Resource Economics, University of California, Davis	

Education

Ph.D. in Agricultural and Resource Economics	2021
University of Alberta, Edmonton, Alberta, Canada <i>Dissertation:</i> Three Essays on Behavior, Incentives, Environmental Valuation, and Contributions to Conservation <i>Dissertation Committee:</i> W.L.(Vic) Adamowicz (Chair), Ellen Goddard, Sandeep Mohapatra, Maik Kecinski	
M.S. in Agricultural and Resource Economics	2014
University of California, Davis, Davis, CA, USA	
B.A. in Economics	2013
Sun Yat-sen University, Guangzhou, Guangdong, China	

Peer-Reviewed Publications

- Xie, L., W. Adamowicz, and P. Lloyd-Smith. 2023. "Spatial and Temporal Responses to Incentives: An Application to Wildlife Disease Management" *Journal of Environmental Economics and Management* 117, 102752
- Xie, L., W. Adamowicz, M. Kecinski, and J.R. Fooks. 2022. "Using Economic Experiments to Assess the Validity of Stated Preference Contingent Behavior Responses" *Journal of Environmental Economics and Management* 114:102659
- Pattison-Williams, J.K., L. Xie, W. Adamowicz, M. Pybus, and A. Hubbs. 2020. "An Empirical Analysis of Hunter Response to Chronic Wasting Disease in Alberta" *Human Dimensions of Wildlife*. 25 (6), 575-589

Xie, L., W. Adamowicz. “Temporal Reliability of Contingent Behavior Trip Data in Kuhn-Tucker Recreation Demand Models” *Land Economics* (Forthcoming, May 2023)

Messer, K.D., D. Ganguly, and **L. Xie.** “Applications of Behavioral Economics Related to the Environment and Climate Change” Commissioned Paper for the National Academy of Sciences Committee on *Future Directions for Applying Behavioral Economics to Policy*, *the National Academies Press* (Forthcoming)

Working Papers and Research in Progress

Savchenko, O.M., L.H. Palm-Forster, **L. Xie**, R. Rahman, and K.D. Messer. “Encouraging Pro-environmental Behavior: Do Testimonials by Experts Work?” (Revise and resubmit, *PLOS ONE*)

Palm-Forster, L.H., M. Taylor, S. Banerjee, and **L. Xie.** “Enrollment of Leased Cropland in Agri-environmental Programs” (Under review, *Land Use Policy*)

Xie, L., W. Adamowicz, and M. Kecinski. “Incentives for Impure Public Good Contributions and Motivational Crowding: Evidence from Laboratory and Framed Field Experiments” (Working Paper)

Xie, L., K.D. Messer, L.H. Palm-Forster, M. Masters, and H. Michael. “Buying Back Irrigation Water for Endangered Species Protection: Evidence from a Laboratory Experiment and a High-Stakes Field Experiment with Farmers ” (Working paper)

Tong, Q. and **L. Xie.** “Behavioral Interventions to Increase Farmers’ Acceptance of Climate-smart Agriculture Services: Evidence from China” (Data analysis)

Xie, L. and L.H. Palm-Forster. “Common Pool Resource Use in the Presence of Behavior Heterogeneity and Groundwater Model Dynamics: The Case of Saltwater Intrusion in Delaware” (Research design)

Teaching Experience

Department of Applied Economics and Statistics, University of Delaware

Co-instructor

Power Analysis Workshop (graduate, 7 students) 2021

Experimental Economics (graduate, 7 students) 2022 – 2023

Guest Lecturer

Experimental Economics (graduate, 7 students) 2021 – 2022

Conducting Applied Economics Research (graduate, 7 students) 2021 – 2022

Teaching Assistant

Experimental Economics (graduate, 7 students) 2021

Department of Resource Economics and Environmental Sociology, University of Alberta

Guest Lecturer

Food Market Analysis (undergraduate, 40 students) 2018

Teaching Assistant

Economic Valuation of Ecosystem Services (graduate, 10 students, overall rating: 4.8/5) 2019 – 2020

Current Economic Issues for Agriculture and Food (undergraduate, 110 students) 2017

Statistical Analysis (undergraduate, 40 students) 2016

Department of Agricultural and Resource Economics, University of California, Davis

Teaching Assistant

Personal Finance (undergraduate, 130 students)

2013

Student Mentorship and Advising

Madison Czerniawski, M.S., University of Delaware (*Committee member*)

Caroline Johnson, M.S., University of Delaware (*Committee member*)

Carl Nelson-Poteet, Undergraduate Research Intern, University of Delaware (*Mentor*)

Kayla McKinley, Undergraduate Intern, Delaware State University (*Mentor*)

Presentations

Agricultural & Applied Economics Association Annual Meeting, Washington D.C., USA (scheduled); 2023
Association of Environmental and Resource Economists Conference, Portland, USA (scheduled);
Australasian Agricultural and Resource Economics Society Annual Conference; University of Rhode
Island; University of Oklahoma; University of Florida; University of Georgia

University of Manitoba; University of Delaware; Canadian Resource and Environmental Economics 2022
Association Annual Conference, Saskatoon, Canada; Project WiCCED Fall Seminar, Webinar;
Agricultural & Applied Economics Association Annual Meeting, Anaheim, USA

European Association of Environmental and Resource Economists Conference, Virtual; 2021
CREEA | ACERE 7th Canadian PhD and Early Career Workshop in Environmental and Resource
Economics, Virtual; Association of Environmental and Resource Economists Conference, Virtual

University of Alberta; University of Delaware; Woods Hole Oceanographic Institution, Woods Hole, 2020
USA

University of Alberta; Canadian Agricultural Economics Society Annual Meeting, Ottawa, Canada; 2019
European Association of Environmental and Resource Economists Conference, Manchester, UK;
Association of Environmental and Resource Economists Conference, Lake Tahoe, USA; PRION
2019, Edmonton, Canada

Heartland Environmental and Resource Economics Workshop at Illinois, Urbana-Champaign, USA; 2018
Agricultural & Applied Economics Association Annual Meeting, Washington D.C., USA; Western
Agricultural Economics Association Conference, Anchorage, USA; Land Use 2018, Edmonton,
Canada

Honors and Awards

University of Alberta 2021 Faculty of Agricultural, Life & Environmental Sciences Graduate Student 2022
PhD Thesis Award (CAD 500)

European Association of Environmental and Resource Economists 2021 Annual Conference Partici- 2021
pation Grants

University of Alberta Graduate Students Teaching Awards 2020

Alberta Graduate Excellence Scholarship (CAD 12,000) 2020

Smart Prosperity Institute Travel Award (CAD 1,500) 2019

University of Alberta GSA Academic Travel Grant (CAD 500) 2019

J Gordin Kaplan Graduate Student Award (CAD 1,500) 2019

Government Network of the Rural Policy Learning Commons Policy Brief Award (CAD 1,500) 2018
University of Alberta Doctoral Recruitment Scholarship (CAD 30,000) 2015

Professional Activities

Manuscript Referee: Journal of Environmental Economics and Management, Environmental and Resource Economics(x2), Ecological Economics, Journal of Choice Modeling, Environmental Economics and Policy Studies

Abstract Reviewer: AAEA Annual Meeting 2019, 2021

Member of: American Economic Association, Association of Environmental and Resource Economists, European Association of Environmental and Resource Economists, Agricultural and Applied Economics Association, Northeastern Agricultural and Resource Economics Association, Canadian Resource and Environmental Economics Association, Canadian Agricultural Economics Society

Skills

Software: R, Matlab, Stata, ArcGIS, Limdep, Python, L^AT_EX, SPSS, GAMS

Languages: Mandarin (Native), English (Fluent), Spanish (Basic), German (Basic)

References

W.L. (Vic) Adamowicz

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Kent Messer

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Leah H. Palm-Forster

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Last updated: March 1, 2023