

# Lusi Xie

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## Research Fields

Environmental valuation, Experimental and behavioral economics, Applied econometrics

## Appointments

<b>Postdoctoral Researcher</b>	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)	
<b>Research Assistant</b>	2017 – 2020
Department of Resource Economics and Environmental Sociology, University of Alberta	
<b>Survey Researcher</b>	2015
University of California Cooperative Extension	
<b>Research Assistant</b>	2014 – 2015
Department of Agricultural and Resource Economics, University of California, Davis	

## Education

<b>Ph.D. in Agricultural and Resource Economics</b>	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	
<b>M.S. in Agricultural and Resource Economics</b>	2014
University of California, Davis, Davis, CA, USA	
<b>B.A. in Economics</b>	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* 99 (2), 182-202

Messer, K.D., D. Ganguly, and **L. Xie.** “Applications of Behavioral Economics to Climate Change Mitigation and Adaptation” Commissioned paper prepared for the Committee on Future Directions for Applying Behavioral Economics to Policy. *National Academies of Sciences, Engineering, and Medicine* (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
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Experimental Economics (graduate, 7 students)	2022 – 2023
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#### Guest Lecturer

Experimental Economics (graduate, 7 students)	2021 – 2022
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Conducting Applied Economics Research (graduate, 7 students)	2021 – 2022
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#### Teaching Assistant

Experimental Economics (graduate, 7 students)	2021
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### Department of Resource Economics and Environmental Sociology, University of Alberta

#### Guest Lecturer

Food Market Analysis (undergraduate, 40 students)	2018
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#### Teaching Assistant

Economic Valuation of Ecosystem Services (graduate, 10 students, overall rating: 4.8/5)	2019 – 2020
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Current Economic Issues for Agriculture and Food (undergraduate, 110 students)	2017
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Statistical Analysis (undergraduate, 40 students)	2016
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## 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, Journal of Environmental Economics and Policy

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<sup>A</sup>T<sub>E</sub>X, SPSS, GAMS

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

## References

### **W.L. (Vic) Adamowicz**

Professor

Department of Resource Economics  
and Environmental Sociology

University of Alberta

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### **Kent Messer**

Professor

Department of Applied Economics  
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### **Leah H. Palm-Forster**

Associate Professor

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and Statistics

University of Delaware

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Last updated: April 25, 2023