

JAMES J. MURPHY

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ACADEMIC CAREER

University of Alaska Anchorage. 2006–present

2006–present	Rasmuson Chair of Economics
2011–present	Professor, Dept. of Economics
2008–2010	Department Chair, Dept. of Economics
2006–2011	Associate Professor, Dept. of Economics

Nankai University, Tianjin, China. 2014–2018

2014–2018	Lecture Professor, Institute of State Economy
2014–2018	Chairman, Nankai Vernon L. Smith Experimental Economics Lab

Chapman University. 2014–present

2014–present	Affiliated Faculty, Economic Science Institute
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University of Massachusetts, Amherst. 1999–present

2007–present	Adjunct Professor, Dept. of Resource Economics
2006–2007	Associate Professor, Dept. of Resource Economics
1999–2007	Faculty Member, Center for Public Policy and Administration
1999–2006	Assistant Professor, Dept. of Resource Economics

PRIMARY RESEARCH FIELDS

Experimental Economics, Natural Resource and Environmental Economics

EDUCATION

Ph.D., Univ. of California, Davis. Dept. of Agricultural and Resource Economics. 1999.

Visiting Pre-Doctoral Fellow, Univ. of Arizona. Economic Science Laboratory. 1998–1999.

M.S., Univ. of California, Davis. Dept. of Agricultural and Resource Economics. 1996.

B.A., Villanova University. 1987.

PROFESSIONAL ACTIVITIES

Academic

2023–present	Economic Science Association, Treasurer
2015–present	Editorial Board, <i>Journal of Environmental Economics and Management</i>
2009–present	Editorial Board, <i>Strategic Behavior and the Environment</i>
2009–2022	International Foundation for Research in Experimental Economics (IFREE), Board of Directors
2009–2022	International Foundation for Research in Experimental Economics (IFREE), Chair, Proposal Evaluation Committee
2011–2013	North Pacific Fishery Management Council, Scientific and Statistical Committee
2009–2010	Alaska Council on Economic Education, Board of Directors (ex officio)

RESEARCH

RESEARCH PAPERS

Working papers

- Chávez, Carlos A., James J. Murphy, John K. Stranlund. Why Do People Comply? Compliance, Risky Lottery, and Externalities: Evidence from Field Experiments in Chile. Working paper.
- James, Alexander G., Joseph Longueven, James J. Murphy. Racial Disparities in the Deployment of Police Body Worn Cameras. Working paper.

Journal Articles

- Ferraro, Paul J., Todd L. Cherry, Jason F. Shogren, Christian Vossler, Hilary Byerly Flint, Jacob P. Hochard, Olof Johansson-Stenman, Peter Martinsson, James J. Murphy, Stephen C. Newbold, Linda H. Thunstrom, Daan van Soest, Klaas van't Veld, Astrid Dannenberg, George F. Loewenstein, Leaf van Boven. Create a Culture of Experimentation in Environmental Programs. *Science*. 381(6659):735-737.
- Howe, E. Lance, James J. Murphy, Drew Gerkey, Olga B. Stoddard, Colin T. West. 2023. Sharing, Social Norms, and Social Distance: Experimental Evidence from Russia and Western Alaska. *Journal of Economic Behavior and Organization*. 213:345-358.
- Murphy, James J., Molly Conlin, Bryan Haugstad. 2023. An Experimental Test of Charitable Giving by a Private Business. *Oxford Economic Papers*. Forthcoming.
- Chávez, Carlos A., James J. Murphy, Felipe J. Quezada, John K. Stranlund. 2023. Endogenous Formation of Common Pool Resources. *Journal of Economic Behavior and Organization*. 211:82-102.
- Chávez, Carlos A., James J. Murphy, John K. Stranlund. 2021. Co-enforcement of Common Pool Resources: Experimental Evidence from TURFs in Chile. *Environmental and Resource Economics*, 80(2):425-450.
- Cherry, Todd L., Alexander G. James, James J. Murphy. 2021. The Impact of Public Health Messaging and Personal Experience on the Acceptance of Mask Wearing During the COVID-19 Pandemic. *Journal of Economic Behavior and Organization*, 187 (July), 415-430.
- List, John A., James J. Murphy, Michael K. Price, Alexander G. James. 2021. Do Appeals to Donor Benefits Raise More Money than Appeals to Recipient Benefits? Evidence from a Natural Field Experiment with Pick.Click.Give. *Nature Human Behaviour*.
<https://doi.org/10.1038/s41562-021-01095-8>
- Jacquemet, Nicolas, Alexander James, Stéphane Luchini, James J. Murphy, Jason F. Shogren. 2021. Do Truth-Telling Oaths Improve Honesty in Crowd-Working?. *PLoS ONE*. 16(1): e0244958. January 15.
- Stranlund, John K., James J. Murphy, John M. Spraggon and Nikolaos Zirogiannis. 2019. Tying enforcement to prices in emissions markets: An experimental evaluation. *Journal of Environmental Economics and Management*. 98, 102246.

- Deck, Cary and James J. Murphy. 2019. Donors Change Both Their Level and Pattern of Giving in Response to Contests among Charities. *European Economic Review*. 112:91-106.
- Chávez, Carlos A., James J. Murphy and John K. Stranlund. 2018. Managing and Defending the Commons: Experimental Evidence from TURFs in Chile. *Journal of Environmental Economics and Management*. 91:229-246.
- Deck, Cary, James J. Murphy. 2017. Symposium Introduction: Contests and Innovation. *Southern Economic Journal*. 84(2):373-374.
- Howe, E. Lance, James J. Murphy, Drew Gerkey, Colin Thor West. 2016. Indirect Reciprocity, Resource Sharing, and Environmental Risk: Evidence from Field Experiments in Siberia. *PLoS ONE*. 11(7): e0158940. July 21.
- Janssen, Marco A., Therese Lindahl, and James J. Murphy. 2015. Advancing the Understanding of Behavior in Social-Ecological Systems: Results from Lab and Field Experiments. Guest editorial. *Ecology and Society*. 20(4):34.
- Trachtman, Hannah, Andrew Steinkruger, Mackenzie Wood, Adam Wooster, James Andreoni, James J. Murphy and Justin M. Rao. 2015. Fair Weather Avoidance: Unpacking the Costs and Benefits of ‘Avoiding the Ask’. *Journal of the Economic Science Association*. 1(1):8-14.
- Cherry, Todd L., E. Lance Howe, and James J. Murphy. 2015. “Sharing as Risk Pooling in a Social Dilemma Experiment.” *Ecology and Society*. 20(1):68. [online] URL: <http://www.ecologyandsociety.org/vol20/iss1/art68/>
- López, Maria Claudia, James J. Murphy, John M. Spraggon, and John K. Stranlund. 2012. “Comparing the Effectiveness of External Regulation and Social Emotions to Enhance Cooperation: Experimental Evidence from the Field.” *Economic Inquiry*. 50(1):131-142.
- Stranlund, John K., James J. Murphy, and John M. Spraggon. 2011. “An Experimental Analysis of Compliance in Dynamic Emissions Markets.” *Journal of Environmental Economics and Management*. 62(3):414-429.
- McEvoy, David, James J. Murphy, John K. Stranlund, and John Spraggon. 2011. “The Problem of Maintaining Compliance within Stable Coalitions.” *Oxford Economic Papers*. 63(3):475-498.
- Murphy, James J., Thomas H. Stevens, and Lava Yadav. 2010. “A Comparison of Induced Value and Home-Grown Value Experiments to Test for Hypothetical Bias in Contingent Valuation.” *Environmental and Resource Economics*. 47(1):111-123.
- Knapp, Gunnar, and James J. Murphy. 2010. “Voluntary Approaches to Transitioning from Competitive Fisheries to Rights-Based Management: Bringing the Field into the Lab.” *Agricultural and Resource Economics Review*. 39(2):245-261.
- Messer, Kent D., and James J. Murphy. 2010. “Foreword: Special Issue on Experimental Methods in Environmental, Natural Resource and Agricultural Economics.” *Agricultural and Resource Economics Review*. 39(2):iii-vi.

- Velez, Maria Alejandra, James J. Murphy, and John K. Stranlund. 2010. "Centralized and Decentralized Management of Local Common Pool Resources in the Developing World: Experimental Evidence from Fishing Communities in Colombia." *Economic Inquiry*. 48(2):254-265.
- Velez, Maria Alejandra, John K. Stranlund, James J. Murphy. 2009. "What Motivates Common Pool Resource Users? Experimental Evidence from the Field." *Journal of Economic Behavior and Organization*. 70(3):485-497.
- Murphy, James J., Ariel Dinar, Richard E. Howitt, Stephen J. Rassenti, Vernon L. Smith, and Marca Weinberg. 2009. "The Design of Water Markets When Instream Flows Have Value." *Journal of Environmental Management*. 90(2):1089-1096.
- Delucchi, Mark A. and James J. Murphy. 2008. "US Military Expenditures to Protect the Use of Persian Gulf Oil for Motor Vehicles." *Energy Policy*. 36(6):2253-2264.
- Delucchi, Mark A. and James J. Murphy. 2008. "How Large Are Tax Subsidies to Motor Vehicle Users in the U.S.?" *Transport Policy*. 15(3):196-208.
- Murphy, James J. and John K. Stranlund. 2007. "A Laboratory Investigation of Compliance Behavior under Tradable Emissions Rights: Implications for Targeted Enforcement." *Journal of Environmental Economics and Management*. 53(2):196-212.
- Murphy, James J. and John K. Stranlund. 2006. "Direct and Market Effects of Enforcing Emissions Trading Programs: An Experimental Analysis." *Journal of Economic Behavior and Organization*. 61(2):217-233.
- Murphy, James J., Thomas H. Stevens and Darryl Weatherhead. 2005. "Is Cheap Talk Effective at Eliminating Hypothetical Bias in a Provision Point Mechanism?" *Environmental and Resource Economics*, 30(3):327-343.
- Murphy, James J., P. Geoffrey Allen, Thomas H. Stevens and Darryl Weatherhead. 2005. "A Meta-Analysis of Hypothetical Bias in Stated Preference Valuation." *Environmental and Resource Economics*, 30(3):313-325.
- Murphy, James J. and Thomas H. Stevens. 2004. "Contingent Valuation, Hypothetical Bias and Experimental Economics." *Agricultural and Resource Economics Review*, 33(2):182-192.
- Murphy, James J. 2004. "A Simple Program to Conduct an Oral Double Auction in the Classroom." *Journal of Economic Education*. 35(2):212.
- Murphy, James J. and Juan Camilo Cardenas. 2004. "An Experiment on Enforcement Strategies for Managing a Local Environmental Resource." *Journal of Economic Education*. 35(1):47-61.
- Delucchi, Mark A., James J. Murphy and Donald R. McCubbin. 2002. "The Health and Visibility Cost of Air Pollution: A Comparison of Estimation Methods." *Journal of Environmental Management*, 64(2):139-152.

- Murphy, James J., Ariel Dinar, Richard E. Howitt, Stephen J. Rassenti and Vernon L. Smith. 2000. "The Design of 'Smart' Water Market Institutions Using Laboratory Experiments." *Environmental and Resource Economics*, 17(4):375–394.
- Murphy, James J., Mark A. Delucchi, Donald R. McCubbin and Hong Jin Kim. 1999. "The Cost of Crop Damages Caused by Ozone Air Pollution from Motor Vehicles." *Journal of Environmental Management*, 55(4):273–289.
- Murphy, James J. and Mark A. Delucchi. 1998. "Review of the Literature on the Social Cost of Motor Vehicle Use in the United States." *Journal of Transportation and Statistics*, 1(1):15–42.

Book Chapters

- Murphy, James J., Nomin Batmunkh, Benjamin Nilsson, Samantha Ray. 2015. "The Impact of Social Information on the Voluntary Provision of Public Goods: A Replication Study." In *Research in Experimental Economics, Vol. 18*. Cary Deck, Enrique Fatas and Tanya Rosenblat, editors. Bingley, UK: Emerald Group Publishing Ltd.
- Horowitz, John K., Kenneth E. McConnell and James J. Murphy. 2013. "Behavioral Foundations of Environmental Economics and Valuation." In *Handbook on Experimental Economics and the Environment*. John A. List and Michael K. Price, editors. Northampton, MA: Edward Elgar.
- Lopéz, Maria Claudia, James J. Murphy, John M. Spraggon and John K. Stranlund. 2013. "Does Government Regulation Complement Existing Community Efforts to Support Cooperation? Evidence from Field Experiments in Colombia." In *Handbook on Experimental Economics and the Environment*. John A. List and Michael K. Price, editors. Northampton, MA: Edward Elgar.
- Moeltner, Klaus, James J. Murphy, John K. Stranlund, and Maria Alejandra Velez. 2013. "Institutional Heterogeneity in Social Dilemma Games: A Bayesian Examination." In *Handbook on Experimental Economics and the Environment*. John A. List and Michael K. Price, editors. Northampton, MA: Edward Elgar.
- Stranlund, John K., James J. Murphy, and John Spraggon. 2013. "Imperfect Enforcement of Emissions Trading and Industry Welfare: A Laboratory Investigation." In *Handbook on Experimental Economics and the Environment*. John A. List and Michael K. Price, editors. Northampton, MA: Edward Elgar.
- Murphy, James J. and John K. Stranlund. 2008. "An Investigation of Voluntary Discovery and Disclosure of Environmental Violations Using Laboratory Experiments." In: *Experimental Methods in Environmental Economics*. Todd Cherry, Stephan Kroll and Jason F. Shogren, editors. New York: Routledge.
- Murphy, James J., Ariel Dinar, Richard E. Howitt, Erin Mastrangelo, Stephen J. Rassenti and Vernon L. Smith. 2006. "Mechanisms for Addressing Third-Party Impacts Resulting from Voluntary Water Transfers." In: *Using Experimental Methods in Environmental and Resource Economics*. John List, editor. Northampton, MA: Edward Elgar.

Research Reports

- Murphy, James J. and Mark A. Delucchi. 1996. *Review of Some of the Literature on the Social Cost of Motor Vehicle Use*. UCD-ITS-RR-96-3(3). Davis, CA: Institute of Transportation Studies, University of California.
- Delucchi, M.A., James J. Murphy, Hong Jin Kim and Donald R. McCubbin. 1996. *The Cost of Crop Losses Caused by Ozone Air Pollution from Motor Vehicles*. UCD-ITS-RR-96-3(12). Davis, CA: Institute of Transportation Studies, University of California.
- Delucchi, M.A., James J. Murphy, Donald R. McCubbin and Hong Jin Kim. 1996. *The Cost of Reduced Visibility Due to Particulate Air Pollution from Motor Vehicles*. UCD-ITS-RR-96-3(13). Davis, CA: Institute of Transportation Studies, University of California.
- Delucchi, M.A. and Murphy, James J. (1996). *Tax Expenditures Related to the Production and Consumption of Transportation Fuels*. UCD-ITS-RR-96-3(18). Davis, CA: Institute of Transportation Studies, University of California.
- Delucchi, M.A. and James J. Murphy 1996. *Motor-Vehicle Goods and Services Bundled in the Private Sector*. UCD-ITS-RR-96-3(6). Davis, CA: Institute of Transportation Studies, University of California.
- Delucchi, M.A. and James J. Murphy. 1996. *Motor-Vehicle Infrastructure and Services Provided by the Public Sector*. UCD-ITS-RR-96-3(7). Davis, CA: Institute of Transportation Studies, University of California.
- Delucchi, M.A. and James J. Murphy. 1996. *U.S. Military Expenditures to Protect the Use of Persian Gulf Oil from Motor Vehicles*. UCD-ITS-RR-96-3(15). Davis, CA: Institute of Transportation Studies, University of California.

PRESENTATIONS

Conference and Workshop Presentations

- 2022 *The Endogenous Formation of Common Pool Resource Coalitions*. Lima Experimental Economics Conference. Lima, Peru. July 22.
- 2022 *The Endogenous Formation of Common Pool Resource Coalitions*. Economics, Environment and Evolution Experimental Economics Conference. San Cristobal, Ecuador. July 11-13.
- 2021 *The Endogenous Formation of Common Pool Resource Coalitions*. Economic Science Association North American Meetings. Tucson, AZ. October 29-30.
- 2019 *Co-enforcement of Common Pool Resources: Experimental Evidence from TURFs in Chile*. Economic Science Association Annual North American Meeting. Los Angeles. October 11-12.
- 2019 *Do Appeals to Donor Benefits Raise More Money than Appeals to Recipient Benefits? Evidence from a Natural Field Experiment with Pick.Click.Give*. Science of Philanthropy Initiative, University of Chicago. September 11-12.
- 2019 Keynote address. *Deterring Poaching from a Common Pool: Experimental Evidence from TURFs in Chile*. 2019 Utah Experimental Economics Conference. Utah State University, Center for Growth and Opportunity. Salt Lake City, UT. May 16-17.

- 2018 Keynote address. *Managing and Defending the Commons: Experimental Evidence from TURFs in Chile.* 7th Xiamen University International Workshop on Experimental Economics. Xiamen University. Xiamen, China. December 15-16.
- 2018 *Tying Enforcement to Prices in Emissions Markets: An Experimental Evaluation.* Economic Science Association Annual North American Meeting. Antigua, Guatemala. October 18-20.
- 2018 *Tying Enforcement to Prices in Emissions Markets: An Experimental Evaluation.* Experimental and Environmental Policy Workshop. Appalachian State University. Boone, NC. April 27-28.
- 2018 *Oaths and truth telling on MTurk.* Inaugural Wuhan Cherry Blossom Workshop in Experimental Economics. Wuhan, China. March 16-18.
- 2018 *Voting on Enforcement to Deter Poaching in the Commons: Experimental Evidence from TURFs in Chile.* Bogotá Experimental Economics Conference. Bogotá. January 12-13.
- 2017 *Oaths and truth telling on Mechanical Turk.* Economic Science Association Annual North American Meeting. Richmond, VA. October 19-21.
- 2017 *Does Corporate Charitable Giving Pay For Itself?.* Economic Science Association Annual International Conference. San Diego. June 20-23.
- 2016 *Deterring Poaching from a Common Pool: Experimental Evidence from TURFs in Chile.* Economic Science Association Annual International Conference. Jerusalem. July 7-11.
- 2016 *Experimental Economics, Natural Resources & the Environment.* Conference on Applied Methods for Ag & Resource Economics, University of California Davis. May 23-24.
- 2016 *Indirect Reciprocity, Resource Sharing, and Environmental Risk: Evidence from Field Experiments in Siberia.* Experimental and Environmental Economics Workshop, Appalachian State University. April 29-30.
- 2015 *Loss Aversion and Lotteries in a Statewide Charitable Giving Campaign.* Science of Philanthropy Initiative, University of Chicago. September 11-12.
- 2014 *Fair Weather Avoidance: Unpacking the Costs and Benefits of 'Avoiding the Ask'.* Science of Philanthropy Initiative, University of Chicago. November 7-8.
- 2014 *Price Controls and Banking in Emissions Trading: An Experimental Evaluation.* Design and Bargaining Workshop. Southern Methodist University. Dallas. May 22-24.
- 2013 *Designing Field Experiments for the Study of Socio-Ecological Systems.* International Association for the Study of the Commons. Kitafuji, Japan. June 3-7.
- 2013 *A Field Experiment on Sharing in a Risky Environment: Evidence from Kamchatka.* Workshop on Lab and Field Experiments on Social-Ecological Systems. Arizona State University. Tempe. March 28-30.
- 2012 *Designing a Field Experiment for the Study of Socio-Ecological Systems.* International Society for Ecological Economics. Rio de Janeiro. June 16-19.

- 2012 *A Field Experiment on Sharing in a Risky Environment: Evidence from Kamchatka*. International Society for Ecological Economics. Rio de Janeiro. June 16-19.
- 2012 *Price Controls and Banking in Emissions Trading: An Experimental Evaluation*. Environmental and Resource Economics Workshop. Appalachian State University. Boone, NC. April 20-21.
- 2012 *Fish Economics—An Experiment in Design*. Southwest Alaska Municipal Conference. Anchorage. February 17.
- 2011 *Price Controls and Banking in Emissions Trading: An Experimental Evaluation*. Association of Environmental and Resource Economists. Seattle. June 9-10.
- 2010 *Sharing as Risk Pooling in a Social Dilemma Experiment*. Southern Economic Association Annual Meeting. Atlanta. November 20-22.
- 2010 *Risk and Cooperation in a Common Pool Resource Dilemma*. International Association for the Study of the Commons, North American Regional Meeting. Phoenix. September 30-October 2.
- 2010 *Value-Driven Rent Dissipation in Limited-Entry Fisheries: Experimental Evidence*. Economic Science Association annual international meeting. Copenhagen. July 8-11.
- 2010 *Water Markets and Experimental Economics*. Alberta Environment. Edmonton. April 9.
- 2009 *Sharing as Risk Pooling in a Social Dilemma Experiment*. Economic Science Association annual North American meeting. Tucson. November 12-14.
- 2008 *Where Are We Going From Here? The Future of Field Experiments in Latin America*. Inaugural meeting of the Latin America Field Experiments Network (LAFEN). Bogotá, Colombia. November 19-20.
- 2008 *Natural Resources, Property Rights and Institutions*. Alaska World Affairs Council. October 31.
- 2008 *A Comparison of Outcomes in Public Goods and Common Pool Resource Experiments*. Economic Science Association annual international meeting. Tucson. June 27-29.
- 2007 *A Laboratory Investigation of the Welfare Effects of Imperfectly Enforced Emissions Trading Policies*. Southern Economic Association annual meeting. New Orleans. November 19-21.
- 2007 *Rent Dissipation in Competitive Fisheries: An Experimental Analysis*. Southern Economic Association annual meeting. New Orleans. November 19-21.
- 2007 *Rent Dissipation in Competitive Fisheries: An Experimental Analysis*. Economic Science Association annual North American meeting. Tucson. October 18-21.
- 2007 *Enforcement and Compliance of Permit Markets*. Annual IFREE Graduate Student Workshop in Experimental Economics. George Mason University. Arlington, VA. July 19.
- 2007 *Enforcement and Compliance of Permit Markets*. IFREE 10th Anniversary Conference on Experimental Economics. Arlington, VA. April 21.

- 2006 *Rent Dissipation in Limited Entry Fisheries with Aggregate Quotas: An Experimental Analysis*. Economic Science Association annual North American meeting. Tucson. September 29-October 1.
- 2006 *Experimental Economics and Public Policy*. Public lecture. University of Alaska Fairbanks. October 23.
- 2006 *Within and Between Group Variation of Individual Strategies in Common Pool Resources: Evidence from Field Experiments*. Economic Science Association annual North American meeting. Tucson. September 29-October 1.
- 2006 *Centralized and Decentralized Management of Common Pool Resources in the Developing World: Experimental Evidence from Fishing Communities in Colombia*. Resources, Institutions and the Owner-State: A Workshop on Policy Research Using Experimental Economics. University of Alaska Anchorage. August 18-19.
- 2006 *A Laboratory Investigation of Compliance Behavior under Tradable Emissions Rights: Implications for Targeted Enforcement*. Collective Action in the Commons: Theoretical and Empirical Approaches. Javeriana University, Bogotá, Colombia. August 15-17.
- 2006 *Smart Markets for Water*. Annual IFREE Graduate Student Workshop in Experimental Economics. George Mason University. Arlington, VA. July 28.
- 2005 *A Laboratory Investigation of Compliance Behavior under Tradable Emissions Rights: Implications for Targeted Enforcement*. 9th Occasional Workshop in Environmental Economics. University of California Santa Barbara. October 28-29.
- 2005 *An Investigation of Compliance Behavior and Enforcement of Emissions Trading Programs Using Experimental Analyses*. Conference on Evidence Based Policy: New Tools from Experimental Economics, sponsored by the Policy Research Initiative and the Center for Interuniversity Research and Analysis on Organizations. Ottawa, ON, Canada. October 24-25.
- 2005 *Induced vs. Homegrown Values to Test for Hypothetical Bias in Contingent Valuation*. Economic Science Association annual North American meeting. Tucson. September 29-October 2.
- 2005 *An Investigation of Self-Discovery and Disclosure of Environmental Violations Using Laboratory Experiments*. Economic Science Association annual international meeting. Tucson. June 23-26.
- 2005 *An Investigation of Self-Discovery and Disclosure of Environmental Violations Using Laboratory Experiments*. Experimental Economics and Public Policy Workshop. Appalachian State University. Boone, NC. April 8-9.
- 2004 *Enforcement of Tradable Emissions Permit Programs: Do Firm Characteristics Affect Compliance Choices?* Economic Science Association annual North American meeting. Tucson. November 4-7.
- 2004 *Smart Markets for Water*. Annual IFREE Graduate Student Workshop in Experimental Economics. George Mason University. Arlington, VA. August 11-17.

- 2004 *Contingent Valuation, Hypothetical Bias and Experimental Economics*. Northeastern Agricultural and Resource Economics Association Annual Meeting. June 20–23.
- 2004 *Direct and Market Effects of Enforcing Emissions Trading Programs: An Experimental Analysis*. Workshop on Experiments in Natural Resource Economics. Akureyri, Iceland. May 20–22.
- 2003 *A Laboratory Investigation of Compliance Behavior under Transferable Permits and Fixed Standards*. Economic Science Association annual North American meeting. Tucson. October 30–November 2.
- 2003 *An Experimental Analysis of Compliance Behavior in Emissions Trading Programs*. Annual IFREE Graduate Student Workshop in Experimental Economics. George Mason University. July 31–August 6. Arlington, VA.
- 2003 *An Investigation of Compliance Behavior and Enforcement of Emissions Trading Programs Using Experimental Analyses*. American Agricultural Economics Association annual meeting. July 28–31. Montreal.
- 2003 *An Investigation of Compliance Behavior and Enforcement of Emissions Trading Programs Using Experimental Analyses*. US Environmental Protection Agency Market Mechanisms and Incentives Workshop. Washington, DC. May 1–2.
- 2002 *Smart Markets for Water*. Annual IFREE Graduate Student Workshop in Experimental Economics. George Mason University. Arlington, VA. August 7–12.
- 2002 *Controlling for Hypothetical Bias in Contingent Valuation Studies*. World Congress of Environmental and Resource Economists. Montreal. June 24–27.
- 2002 *Mechanisms for Addressing Third-Party Impacts Resulting from Voluntary Water Transfers*. American Agricultural Economics Association Annual Meeting. July 28–31.
- 2001 *Smart Markets for Water*. Annual IFREE Graduate Student Workshop in Experimental Economics. George Mason University. Arlington, VA. July 26–August 2.
- 2000 *The Role of Spot Prices, Water Storage and Forward Contracts in a ‘Smart’ Water Market Mechanism*. Association for Public Policy Analysis and Management 22nd Annual Research Conference. November 2–4.
- 1999 *Using Experiments to Guide Policy Making in Water and Power Markets*. International Conference on Using Experiments to Guide Policy Making in Water and Power Markets. Carlos III University, Madrid, Spain. June 22–23.
- 1998 *Incorporating Environmental Demands into a Water Market: A Quantitative Analysis of Alternative Institutions Using Experimental Economics*. World Congress of Resource and Environmental Economists. Venice. June 25–27.
- 1998 *The Role of Instream Flows in a Water Market: Using Experimental Economics to Address Environmental Issues*. Economic Science Association annual international meeting. Mannheim, Germany. June 11–13.

- 1998 *The Development of Computer-Assisted Water Markets: Using Experimental Economics to Address Complex Resource Allocation Issues*. Human Dimensions of Global Climate Change Initiative meetings, sponsored by NSF. Carnegie Mellon University, Pittsburgh. April 9–10.

Seminars and Symposia

- 2022 *The Endogenous Formation of Common Pool Resource Coalitions*. Department of Agricultural and Resource Economics, University of Maryland. May 11.
- 2022 *The Endogenous Formation of Common Pool Resource Coalitions*. Department of Agricultural and Resource Economics, UC Davis. April 22.
- 2020 *An experimental test of fundraising appeals targeting donor and recipient benefits*. Rady School of Management, UC San Diego. February 5.
- 2019 *Do Appeals to Donor Benefits Raise More Money than Appeals to Recipient Benefits? Evidence from a Natural Field Experiment with Pick.Click.Give*. Center for Behavioral and Experimental Economics, Chulalongkorn University. Bangkok, Thailand. August 3.
- 2019 *Managing and Defending the Commons: Experimental Evidence from TURFs in Chile*. University of Tasmania, School of Business and Economics. Hobart, Australia. March 13.
- 2019 *Tying enforcement to prices in emissions markets: An experimental evaluation*. Monash University, Department of Economics. Melbourne, Australia. March 6.
- 2019 *Oaths and truth telling on Mechanical Turk*. University of Alabama, Department of Economics, Finance, and Legal Studies. January 31.
- 2019 *Oaths and truth telling on Mechanical Turk*. Texas A&M University, Economics Research Laboratory Brown Bag seminar. January 29.
- 2019 *Managing and Defending the Commons: Experimental Evidence from TURFs in Chile*. Texas A&M University, Department of Economics. January 28.
- 2017 *Deterring Poaching from a Common Pool: Experimental Evidence from TURFs in Chile*. University of Wyoming, Department of Economics. October.
- 2017 *Deterring Poaching from a Common Pool: Experimental Evidence from TURFs in Chile*. University of Arkansas, Department of Economics. April 5.
- 2016 *Experimental Economics, Public Policy & Urban Studies*. National University of Singapore, Department of Real Estate. Singapore. May 30.
- 2016 *Indirect Reciprocity, Resource Sharing, and Environmental Risk: Evidence from Field Experiments in Siberia*. National University of Singapore, Department of Real Estate. Singapore. May 30.
- 2015 *Using Targeted Messages to Understand Why People Pick.Click.Give.: Evidence from a Natural Field Experiment*. Xiamen University, Department of Economics. Xiamen, China. May 5.

- 2015 *Using Targeted Messages to Understand Why People Pick.Click.Give.: Evidence from a Natural Field Experiment.* Tsinghua University, Department of Economics. Beijing, China. March 6.
- 2015 *Using Targeted Messages to Understand Why People Pick.Click.Give.: Evidence from a Natural Field Experiment.* Chapman University, Economic Science Institute, Orange, CA. February 20.
- 2014 *Experimental Methods for Public Policy.* Short course for the School of Economics, Nankai University, Tianjin, China. May 28–June 3.
- 2014 *Experimental Methods for Environmental and Resource Economics.* Short course for the Department of Resource Economics, Universidad de Concepción, Chile. January 13-16.
- 2013 *Experimental Methods for Environmental and Resource Economics.* Short course for the Latin American and Caribbean Environmental Economics Program. Cartagena, Colombia. September 27-29.
- 2013 *A Field Experiment on Sharing in a Risky Environment: Evidence from Kamchatka.* Department of Economics, Universidad de los Andes. Bogotá, Colombia. September 26.
- 2012 *Rent Dissipation in Competitive Fisheries: An Experimental Analysis.* Christian-Albrechts-University, Kiel Germany. January 29.
- 2010 *Rent Dissipation in Competitive Fisheries: An Experimental Analysis.* Department of Resource Economics, University of Massachusetts Amherst. April 23.
- 2010 *Rent Dissipation in Competitive Fisheries: An Experimental Analysis.* Department of Rural Economy, University of Alberta. April 8.
- 2009 *Rent Dissipation in Competitive Fisheries: An Experimental Analysis.* Economic Science Institute, Chapman University. March 6.
- 2009 *Rent Dissipation in Competitive Fisheries: An Experimental Analysis.* Department of Economics, Loyola Marymount University. March 4.
- 2008 *Rent Dissipation in Competitive Fisheries: An Experimental Analysis.* Department of Political Science, Rice University. November 18.
- 2008 *Rent Dissipation in Competitive Fisheries: An Experimental Analysis.* Center for Behavioral and Experimental Economic Science, University of Texas-Dallas. November 17.
- 2008 *Rent Dissipation in Competitive Fisheries: An Experimental Analysis.* Interdisciplinary Center for Economic Science, George Mason University. April 10.
- 2007 *Enforcement and Compliance of Permit Markets.* Department of Applied Economics and Management, Cornell University. April 23.
- 2006 *Centralized and Decentralized Management of Common Pool Resources in the Developing World: Experimental Evidence from Fishing Communities in Colombia.* Department of Economics, University of Alaska Fairbanks. October 23.

- 2006 *Within and Between Group Variation of Individual Strategies in Common Pool Resources: Evidence from Field Experiments.* Dept. of Resource Economics, University of Nevada-Reno. October 3.
- 2006 *Centralized and Decentralized Management of Local Common Pool Resources in the Developing World: Experimental Evidence from Fishing Communities in Colombia.* School of Human Evolution and Social Change, Arizona State University. October 2.
- 2005 *A Laboratory Investigation of Compliance Behavior under Tradable Emissions Rights: Implications for Targeted Enforcement.* Department of Economics, California Polytechnic University. October 31.
- 2005 *Smart Markets for Water in the Western United States.* Department of Economics, Dickinson College. March 10.
- 2004 *Direct and Market Effects of Enforcing Emissions Trading Programs: An Experimental Analysis.* Annual Conference on Watershed Conservation. University of Massachusetts. September 17.
- 2004 *A Laboratory Investigation of Compliance Behavior under Transferable Permits and Fixed Standards.* Center for Public Policy and Administration, University of Massachusetts. March 1.
- 2004 *A Laboratory Investigation of Compliance Behavior under Transferable Permits and Fixed Standards.* Interdisciplinary Center for Economic Science, George Mason University. January 30.
- 2003 *An Investigation of Compliance Behavior and Enforcement of Emissions Trading Programs Using Experimental Analyses.* Dept. of Resource Economics, University of Rhode Island, May 2.
- 2002 *Controlling for Hypothetical Bias in Contingent Valuation Studies.* Dept. of Resource Economics, University of Rhode Island. November 11.
- 2002 *Managing Scarcity with Water Markets.* Annual Conference on Watershed Conservation, University of Massachusetts. September. 20.
- 2002 *Controlling for Hypothetical Bias in Contingent Valuation Studies.* Dept. of Economics, Middlebury College. March 8.
- 2001 *Controlling for Hypothetical Bias in Contingent Valuation Studies.* Dept. of Agricultural and Resource Economics, University of Connecticut. April 18.
- 2000 *The Design of "Smart" Water Market Institutions.* Center for Public Policy and Administration, University of Massachusetts. December 11.

GRANTS

Funded

"Endogenous Formation of Common Pool Resource Coalitions under Uncertainty and Exclusion." 2023-2027. FONDECYT. Chilean pesos 191,062,000 (~US\$237,000). With Carlos Chavez and John Stranlund.

"An Analysis of Charitable Giving in Alaska's Pick.Click.Give. Program." 2020. Alaska Community Foundation. \$25,000.

“Promoting the Methodology of Experimental Economics in South America.” 2020-22. International Foundation for Research in Experimental Economics. \$54,008. With Cary Deck and Kyle Hampton.

“Natural-Resource Windfalls and Demands for Government Accountability: Evidence From the Lab.” 2019. International Foundation for Research in Experimental Economics. \$9,760. With Alexander James and Maroš Servátka.

“Lecture Series on Experimental Economics and Philanthropy.” International Foundation for Research in Experimental Economics & the Rasmuson Foundation. 2019. \$34,925. With Maroš Servátka.

“Undergraduate workshops in developing countries.” International Foundation for Research in Experimental Economics. 2019. \$61,495. With Cary Deck and Kyle Hampton

“Education and Outreach Activities at UAA’s Department of Economics.” Rasmuson Foundation. 2015-16. \$20,250.

“Kiviq: Smartphone-capable Games for the Economics Classroom.” ConocoPhillips. 2015-16. \$46,890.00. With Kyle Hampton.

Tianjin Thousand Talents Scholar. Nankai University, Tianjin, China. 2015-18. CNY 500,000 per year (about \$75,000 per year).

“Factors influencing donations through Pick.Click.Give.” Rasmuson Foundation. 2014-15. \$25,000.

“Field Experiments on Cooperative Management of Local Common Resources.” Chilean National Fund for Scientific and Technological Development (FONDECYT). Project number 1140502. 2014-2018. Chilean pesos 146,839,000 (~US\$266,000). Foreign investigator. With Carlos Chavez and John K. Stranlund.

“Alaska Fisheries Management Exhibit at the Alaska SeaLife Center.” Rasmuson Foundation and the Alaska Seafood Marketing Institute. 2013. \$40,000. With Gunnar Knapp and Tara Jones.

“Workshop on Experimental Economics and Charitable Giving.” International Foundation for Research in Experimental Economics. 2012. \$17,000.

“The Use of Experimental Methods in Environmental Economics Workshop.” US Environmental Protection Agency, National Center for Environmental Economics, Grant #83413801-0. 2009-2010. \$60,632. With Kent D. Messer and Titus Awokuse.

“2009 NAREA Workshop: The Use of Experimental Methods in Environmental Economics Workshop.” US Department of Agriculture, Economic Research Service. 2009-2010. \$10,000. With Kent D. Messer.

“Experimental Testbeds for New Applications of Environmental Trading Programs.” US Environmental Protection Agency, STAR Grant #R833672. 2008-2011. \$1,057,728. With Timothy Cason, David Porter, Stephen Rassenti, Vernon Smith, John Spraggon, and John Stranlund.

“Salmon Harvests in Arctic Communities: Local Institutions, Risk, and Resilience.” National Science Foundation, Human and Social Dynamics #0729063. 2007-2011. \$743,677. With E. Lance Howe and Colin T. West.

“Issues of Enforcement and Regulation in the Application of Market-Based Instruments.” Australian National Market-based Instruments Program Projects. 2007-2009. AU\$320,000 (~US\$225,000). Foreign investigator. With John Tisdell and John K. Stranlund.

“Support of UAA’s Experimental Economics Program.” Flint Hills Resources. 2007-2014. \$290,500.

“A Theoretical and Experimental Analysis of Voluntary Approaches to Environmental Protection.” University of Massachusetts Center for Public Policy and Administration, Faculty Development Grant. 2006. \$7,500. With John K. Stranlund.

“Economic and Policy Analysis of Local Governance in Latin America.” US State Department, Public Affairs Section, Bogotá, Colombia. 2003–2006. \$120,000. With John K. Stranlund.

“Underlying Causes of Hypothetical Bias in the Contingent Valuation Method.” University of Massachusetts Faculty Research Grant. 2003–04. \$11,000.

“An Investigation of Compliance Behavior and Enforcement of Emissions Trading Programs Using Experimental Analyses.” US Environmental Protection Agency, STAR Grant #R829608. 2002–04. \$227,981. With John K. Stranlund.

“Design of Computer Optimized Trading and Information Systems for Pollution Control.” National Science Foundation #0196571. 1999–2002. \$299,344. With Mark Olson, Steven J. Rassenti, Vernon L. Smith.

“Mechanisms for Addressing Third-Party Impacts Resulting from Voluntary Water Transfers.” University of California Water Resources Research Center. 2000–01. \$21,514. With Richard E. Howitt.

TEACHING

COURSES TAUGHT

Experimental Economics. Upper-division undergraduate course. Exposes students to recent research in experimental economics, with a focus on applications for environmental and natural resource policy issues. Topics include interpersonal exchange, markets and auctions, mechanism design, and applications of experiments to public policy issues.

Public Finance and Public Policy. Upper-division undergraduate course. The main goal of the course is to provide students with the necessary skills to formulate public policies with an understanding of their economic implications. Topics include markets and government intervention, expenditure programs, taxation, and local/state public finance. Text: J. Gruber, *Public Finance and Public Policy*.

Math Econ and Advanced Microeconomics. Upper-division undergraduate course. Special topics course for advanced undergraduates that is designed to prepare students applying to graduate programs. Course covers the basics of mathematical economics, including comparative statics and applications of the envelope theorem. Text: Chiang and Wainwright, *Fundamental Methods of Mathematical Economics*.

Experimental Economics. Graduate course. Special topics course that introduced UMass doctoral students to experimental economics research. The primary goals in the course were to expose students to the literature and to encourage students to develop their own research ideas.

Applied Microeconomic Theory I. Graduate course. The first of a two-part core microeconomic theory sequence in the UMass Resource Economics Master's program. The course was also required for doctoral students from the School of Management. The course focused on the theory of the firm, utility maximization and decision-making under uncertainty. Students learned the basics of mathematical economics, including comparative statics and applications of the envelope theorem. Text: E. Silberberg, *The Structure of Economics*.

STUDENT RESEARCH SUPERVISED

Joseph Longuevan, Alexandra Webb, Anna Wrobel. 2018. *A Positive Effect of Flowers rather than Eye Images in a Large-Scale, Cross-cultural Dictator Game: A Replication Study*. Undergraduate Research.

Molly Conlin, Bryan Haugstad. 2016. *An Experiment Testing the Effectiveness of Cause-Related Marketing*. Undergraduate Research.

Batmunkh, Nomin, Benjamin Nilsson, Samantha Ray. 2015. *The Impact of Social Information on the Voluntary Provision of Public Goods: A Replication Study*. Published in *Research in Experimental Economics*.

Steinkruger, Andrew, Mackenzie Wood, and Adam Wooster. 2014. *Fair Weather Avoidance: Unpacking the Costs and Benefits of 'Avoiding the Ask'*. UAA Undergraduate Research Project, published in *Journal of the Economic Science Association*.

Ainsworth, Joel and Gabriel Dunham. 2010. *Value-Driven Rent Dissipation in Fisheries: Losing Money by Racing for Fish*. UAA Undergraduate Research Grant. Advisor.

Morrill, Nicholas. 2010. *Motivational Crowding Out*. UAA Student Showcase. Advisor. Received 2010 Garth N. Jones Outstanding Undergraduate Writing Award.

Bradley, Peter and Stephen Deutsch. 2009. *Breaking the Plurality Bandwagon: An Experimental Test of Instant Run-off Voting*. UAA Undergraduate Research Grant. Advisor.

Ralph, Kelcie and Michael Redlinger. 2009. *Property Rights, Inequality, and Endowments: A Variation on the Standard Dictator Game*. UAA Undergraduate Research Grant. Advisor.

Lopez, Maria Claudia. 2007. *Internal, External and Dual Enforcement to Enhance Cooperation Among Users of Natural Resources: Evidence from Field Experiments*. Ph.D. dissertation. Committee member.

- McEvoy, David M. 2007. *Enforcing Voluntary Agreements for Environmental Protection: A Theoretical and Experimental Analysis*. Ph.D. dissertation. Committee member.
- Yadav, Lava. 2007. *Hypothetical Bias in Contingent Valuation*. Ph.D. dissertation. Committee member.
- Velez, Maria Alejandra. 2006. *Three essays on the use of experimental economics for common-pool resource management in rural Colombia*. Ph.D. dissertation. Committee member.
- Wanjau, Susan. 2006. *Privatization of Public Enterprises in Kenya: A Policy Analysis of the Water Sector*. MPPA Capstone Project. Advisor.
- Darling, Matthew. 2005. *The Role of Intentions in Third-Party Punishment*. Undergraduate thesis. Hampshire College. Committee member.
- Korneeva, Margarita. 2004. *Transferable Permit Systems to Control Spatial Pollutants: A Laboratory Experiment*. Ph.D. dissertation. Chair.
- Lefferts, Lucinda. 2003. *Municipal Aggregation in Massachusetts: Why Is There Only One?* MPA Capstone Project. Advisor.
- Mastrangelo, Erin. 2002. *Mechanisms for Addressing Third-Party Impacts Resulting from Voluntary Water Transfers*. M.S. thesis. Chair. Received the Outstanding Master's Thesis Award from the Northeastern Agricultural and Resource Economics Association, 2003.
- Weatherhead, Darryl. 2002. *An Empirical Case Study of Hypothetical Bias in the Contingent Valuation Method*. M.S. thesis. Committee member.

ADDITIONAL PROFESSIONAL ACTIVITIES

REFEREEING

Addison-Wesley; Agricultural and Resource Economics Review; Agricultural Economics; American Journal of Agricultural Economics; American Economic Review; Australian Journal of Agricultural Economics; Canadian Journal of Agricultural Economics; Contemporary Economic Policy; Dryden Press; Ecological Economics; Ecology and Society; Economic Inquiry; Economic Journal; Economics Bulletin; Environment and Development; Environment and Planning C; Environmental and Resource Economics; Environmental Management; Experimental Economics; Health Economics; ICES Journal of Marine Science; International Review of Environmental Economics; Israel Science Foundation; Journal of Agricultural and Resource Economics; Journal of the Association of Environmental and Resource Economics; Journal of Behavioral and Experimental Economics; Journal of Behavioral Decision Making; Journal of Economic Behavior and Organization; Journal of Economic Education; Journal of Environmental Economics and Management; Journal of Environmental Management; Journal of Policy Analysis and Management; Journal of Public Economics; Latin American Research Review; McGraw-Hill; National Science Foundation; Natural Resource Modelling; Nature Energy; Nevada Agricultural Experiment Station; Proceedings of the National Academies of Science; Research Council of Norway; Resource and Energy Economics; Resource and Energy Economics; Rhode Island Agricultural Experiment Station; Rhode Island Sea Grant College Program; Routledge; Social Sciences and Humanities

Research Council of Canada; Southern Economic Journal; Strategic Behavior and the Environment; Swiss National Science Foundation; Thompson Southwestern; US Civilian Research and Development Foundation; US Environmental Protection Agency STAR Grant peer-review panels; Water Resources and Economics; Water Resources and Economics; Water Resources Research; World Development; Worth Publishers

PUBLIC MEDIA APPEARANCES

- 2021 “Charity appeals focused on benefits to donors prompt more giving.” *Academic Times*. April 12. <https://academictimes.com/charity-appeals-focused-on-benefits-to-donors-prompt-more-giving/>
- 2020 “The best way forward for managing Exxon Valdez oil spill recovery funds.” *Anchorage Daily News*. December 10. <https://www.adn.com/opinions/2020/12/10/the-best-way-forward-for-managing-exxon-valdez-oil-spill-recovery-funds/>
- 2020 “Giving up on fighting COVID-19 is Alaska’s worst option.” *Anchorage Daily News*. August 20. <https://www.adn.com/opinions/2020/08/20/giving-up-on-fighting-covid-19-is-alaskas-worst-option/>
- 2020 “Business groups make nationwide push for masks.” *The Hill*. July 9. <https://thehill.com/business-a-lobbying/506496-business-groups-make-nationwide-push-for-masks>
- 2020 “Masks make sense. The economy won’t recover until we feel safe.” *Anchorage Daily News*. June 22. <https://www.adn.com/opinions/2020/06/22/masks-make-sense-the-economy-wont-recover-until-we-feel-safe/>
- 2019 “Cuts are endangering quality of education at the University of Alaska.” *Anchorage Daily News*. November 7. <https://www.adn.com/opinions/2019/11/08/cuts-are-endangering-quality-of-education-at-the-university-of-alaska/>
- 2016 “‘Warm Your Heart’ Appeal Wins Over Alaskans,” by Michael Anft. *Chronicle of Philanthropy*. January 8.
- 2015 “Experimental economics probes future cooperation,” by Kathleen McCoy. *Alaska Dispatch News*. September 27.
- 2015 “It hurts to say ‘no,’” by Kathleen McCoy. *Alaska Dispatch News*. August 23.
- 2013 “Alaska Ear: High Maintenance” *Anchorage Daily News*. November 23.
- 2013 “Nobel laureate celebrates Rasmuson Chair, talks housing bubbles,” by Kathleen McCoy. *Anchorage Daily News*. November 23.
- 2013 “Video game lets players ‘go fish’ but with care,” by Kathleen McCoy. *Anchorage Daily News*. June 1.
- 2010 Radio Interview on Terra Informa, CJSR 88.5, Edmonton, Alberta. Topic: Fisheries management. April 26.

- 2010 “Endowment may help well-off kids most,” *Anchorage Daily News*. January 27.
- 2009 “Economists have dubious track record,” by Jeff Pantages. *Anchorage Daily News*. December 17.
- 2009 “Keeping oil flowing to the US is expensive,” by Peter Porco. *Anchorage Daily News*. April 4.
- 2008 Interview on KRUA, Anchorage. Topic: Financial crisis and stock market decline. October 10.
- 2008 “Experimental economics lab works to spur Cook Inlet exploration, production,” by Eric Lidji. *Petroleum News*. 13(2). May 18.
- 2007 “Researchers examine subsistence practices when resources are scarce,” by Meaghan Howard. *The Northern Light*. Anchorage, AK. October 2.
- 2007 Live interview on KNBA, 90.3FM, Anchorage. Topic: NSF grant to study subsistence harvests in Western Alaska. September 17.
- 2007 Letter to the editor on Alaska’s wild fisheries, *Eating Well*, September.
- 2007 Live interview on KNBA, 90.3FM, Anchorage. Topic: Experimental Economics. August 30.
- 2007 “PFD Charity Check-off Will Show No Harm in Doing Good.” *Anchorage Daily News*, May 12.
- 2006 “Public Policies Should Get Test Flights.” *Anchorage Daily News*, December 12.
- 2006 Interview on ABC Alaska News. KIMO, Channel 13, Anchorage. Topic: Thomas Schelling and Game Theory. November 27.

HONORS AND AWARDS

- Garth N. Jones Faculty Writing Award. University of Alaska Anchorage, College of Business and Public Policy. 2013.
- Chair for Outstanding Master’s Thesis Award. Northeastern Agricultural and Resource Economics Association. 2003.
- Charles Redd Foundation Visiting Pre-Doctoral Fellowship. International Foundation for Research in Experimental Economics. 1998.
- John M. Olin Foundation Visiting Pre-Doctoral Fellowship. Economic Science Laboratory, University of Arizona. 1998.
- Graduate Student Travel Award. University of California. 1998.
- Graduate Student Travel Grant. Economic Science Association. 1998.
- Jastro-Shields Graduate Research Grant. University of California. 1997.
- University of California Transportation Center Fellowship. 1992, 1993, 1994.
- Harold F. Hartman Award for Academic Excellence. Villanova University. 1987.
- Phi Beta Kappa National Honor Society. 1987.