

# JAMES J. MURPHY

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## ACADEMIC CAREER

University of Alaska, Anchorage. 2006–present

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

Nankai University, Tianjin, China. 2014–present

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

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

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

**Non-Academic**

2009–2012

Anchorage West Little League, Board of Directors and Treasurer

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**RESEARCH**

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**RESEARCH PAPERS**

**Peer-Reviewed Journal Articles**

- Stranlund, John K., James J. Murphy and John M. Spraggon. 2014. "Price Controls and Banking in Emissions Trading: An Experimental Evaluation." *Journal of Environmental Economics and Management*. 68(1):71-86.
- Velez, Maria Alejandra, John K. Stranlund, and James J. Murphy. 2012. "Preferences for Government Enforcement of a Common Pool Harvest Quota: Theory and Experimental Evidence from Fishing Communities in Colombia." *Ecological Economics*. 77(May):185-192.
- 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**

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.

López, 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, 261-279.

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, 91-112.

### **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

### Invited Presentations

- 2010 *Water Markets and Experimental Economics*. Alberta Environment. Edmonton. April 9.
- 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.
- 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 10<sup>th</sup> Anniversary Conference on Experimental Economics. Arlington, VA. April 21.
- 2006 *Experimental Economics and Public Policy*. Public lecture. University of Alaska Fairbanks. October 23.
- 2006 *Smart Markets for Water*. Annual IFREE Graduate Student Workshop in Experimental Economics. George Mason University. Arlington, VA. July 28.

- 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.
- 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.
- 2004 *Smart Markets for Water*. Annual IFREE Graduate Student Workshop in Experimental Economics. George Mason University. Arlington, VA. August 11-17.
- 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.
- 2003 *An Experimental Analysis of Compliance Behavior in Emissions Trading Programs*. Annual IFREE Graduate Student Workshop in Experimental Economics. George Mason University. July 30-August 6. Arlington, VA.
- 2002 *Smart Markets for Water*. Annual IFREE Graduate Student Workshop in Experimental Economics. George Mason University. Arlington, VA. August 7-12.
- 2001 *Smart Markets for Water*. Annual IFREE Graduate Student Workshop in Experimental Economics. George Mason University. Arlington, VA. July 26-August 2.
- 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.

#### **Conference and Workshop Presentations**

- 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.
- 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.
- 2009 *Sharing as Risk Pooling in a Social Dilemma Experiment.* Economic Science Association annual North American meeting. Tucson. November 12-14.
- 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.
- 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 *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.
- 2005 *A Laboratory Investigation of Compliance Behavior under Tradable Emissions Rights: Implications for Targeted Enforcement.* 9<sup>th</sup> Occasional Workshop in Environmental Economics. University of California Santa Barbara. October 28-29.
- 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.
- 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 Investigation of Compliance Behavior and Enforcement of Emissions Trading Programs Using Experimental Analyses.* American Agricultural Economics Association annual meeting. July 28–31.
- 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.
- 2000 *The Role of Spot Prices, Water Storage and Forward Contracts in a ‘Smart’ Water Market Mechanism.* Association for Public Policy Analysis and Management 22<sup>nd</sup> Annual Research Conference. November 2–4.
- 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

- 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**

“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 (approx. 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.

“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

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### COURSES TAUGHT

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

Public Finance and Public Policy. Graduate course for the Master’s program in the Center for Public Policy and Administration. 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*.

Experimental Economics. Upper-division undergraduate course that 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.

Experimental Economics. Special topics graduate course that introduces doctoral students to experimental economics research. The primary goals in the course are to expose students to the literature and to encourage students to develop their own research ideas.

### STUDENT RESEARCH SUPERVISED

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

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### 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 Planning C; Environmental and Resource Economics; Environmental Management; Experimental Economics; Health Economics; ICES Journal of Marine Science; International Review of

Environmental Economics; Journal of Agricultural and Resource Economics; Journal of the Association of Environmental and Resource 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; Nevada Agricultural Experiment Station; Research Council of Norway; 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; 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 Research; Worth Publishers

#### **PUBLIC MEDIA APPEARANCES**

- 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.