

# JAMES J. MURPHY

University of Alaska Anchorage  
Department of Economics  
College of Business and Public Policy  
3211 Providence Dr.  
Anchorage, AK 99508

phone: (907) 786-1936  
fax: (907) 786-4115  
murphy@uaa.alaska.edu  
<http://faculty.cbpp.uaa.alaska.edu/jmurphy/>

---

## EDUCATION

*Ph.D.*, Univ. of California, Davis. Dept. of Agricultural and Resource Economics. 1999.  
Dissertation: *Incorporating Instream Flow Values into a Water Market*.  
Advisors: Richard Howitt, Michael Caputo, Marca Weinberg  
*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.

## FIELDS OF INTEREST

Experimental Economics, Natural Resource and Environmental Economics

## ACADEMIC CAREER

University of Alaska, Anchorage. 2006–present  
Rasmuson Chair of Economics, Dept. of Economics, 2006–present  
Department Chair, Dept. of Economics, 2008–present  
  
University of Massachusetts, Amherst. 1999–present  
Adjunct Associate Professor, Dept. of Resource Economics, 2006–present  
Associate Professor, Dept. of Resource Economics, 2006–2007  
Assistant Professor, Dept. of Resource Economics, 1999–2006  
Faculty Member, Center for Public Policy and Administration, 1999–2007

## PROFESSIONAL AFFILIATIONS

Editorial Board, *Strategic Behavior and the Environment*  
American Economic Association  
Association of Environmental and Resource Economists  
Economic Science Association  
Western Economic Association

## RESEARCH

---

### PAPERS AND PRESENTATIONS

#### Peer-Reviewed Journal Articles

- Velez, Maria Alejandra, John K. Stranlund, James J. Murphy. "What Motivates Common Pool Resource Users? Experimental Evidence from the Field?" *Journal of Economic Behavior and Organization*. Accepted for publication.
- Velez, Maria Alejandra, James J. Murphy and John K. Stranlund. "Centralized and Decentralized Management of Local Common Pool Resources in the Developing World: Experimental Evidence from Fishing Communities in Colombia." *Economic Inquiry*. Accepted for publication.
- 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. "Do Motor Vehicle Users in the U.S. Receive Tax Subsidies?" *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. 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.

### **Manuscripts Under Review**

- Stranlund, John K., James J. Murphy, and John Spraggon. "A Laboratory Investigation of the Welfare Effects of Imperfectly Enforced Emissions Trading Policies."
- López, Maria Claudia, John K. Stranlund, James J. Murphy, and John Spraggon. "Does Government Regulation Complement Existing Community Efforts to Support Cooperation? Evidence from Field Experiments in Colombia."
- López, Maria Claudia, James J. Murphy, John M. Spraggon and John K. Stranlund. "Comparing the Effectiveness of External Regulation and Social Emotions to Enhance Cooperation: Experimental Evidence from the Field."
- Horowitz, John K., Kenneth E. McConnell and James J. Murphy. "Behavioral Foundations of Environmental Economics and Valuation."
- Moeltner, Klaus, James J. Murphy, John K. Stranlund, and Maria Alejandra Velez. "Analyzing Data from Social Dilemma Experiments: A Bayesian Comparison of Parametric Estimators."
- Moeltner, Klaus, James J. Murphy, John K. Stranlund, and Maria Alejandra Velez. "Institutional Heterogeneity in Social Dilemma Games: A Bayesian Examination."

McEvoy, David, James J. Murphy, John K. Stranlund, and John Spraggon. "The Problem of Maintaining Compliance within Stable Coalitions."

### **Invited Papers and Presentations**

Murphy, James J. and John K. Stranlund. 2007. *Enforcement and Compliance of Permit Markets*. Annual IFREE Graduate Student Workshop in Experimental Economics. George Mason University. Arlington, VA. July 19. Presented by J. Murphy.

Stranlund, John K., James J. Murphy, and John M. Spraggon. *A Laboratory Investigation of the Welfare Effects of Imperfectly Enforced Emissions Trading*. Advanced Workshop on Regulation and Competition, 20<sup>th</sup> Annual Western Conference. Monterey, California, June 27-29. Presented by J. Stranlund.

Murphy, James J. and John K. Stranlund. 2007. *Enforcement and Compliance of Permit Markets*. IFREE 10<sup>th</sup> Anniversary Conference on Experimental Economics. Arlington, VA. April 21. Presented by J. Murphy.

Murphy, James J. 2006. *Experimental Economics and Public Policy*. Public lecture. University of Alaska Fairbanks. October 23.

Murphy, James J., Ariel Dinar, Richard E. Howitt, Stephen J. Rassenti and Vernon L. Smith 2006. *Smart Markets for Water*. Annual IFREE Graduate Student Workshop in Experimental Economics. George Mason University. Arlington, VA. July 28. Presented by J. Murphy.

Murphy, James J. and John K. Stranlund. 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. Presented by J. Murphy.

Murphy, James J. and Thomas H. Stevens. 2004. *Contingent Valuation, Hypothetical Bias and Experimental Economics*. Northeastern Agricultural and Resource Economics Association Annual Meeting. June 20–23. Presented by J. Murphy.

Murphy, James J. and John K. Stranlund. 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. Presented by J. Murphy.

Murphy, James J., Ariel Dinar, Richard E. Howitt, Stephen J. Rassenti and Vernon L. Smith. 2004. *Smart Markets for Water*. Annual IFREE Graduate Student Workshop in Experimental Economics. George Mason University. Arlington, VA. August 11–17. Presented by J. Murphy.

Murphy, James J. and John K. Stranlund. 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. Presented by J. Murphy and J. Stranlund.

- Murphy, James J. and John K. Stranlund. 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. Presented by J. Murphy.
- Murphy, James J., Ariel Dinar, Richard E. Howitt, Stephen J. Rassenti and Vernon L. Smith 2002. *Smart Markets for Water*. Annual IFREE Graduate Student Workshop in Experimental Economics. George Mason University. Arlington, VA. August 7–12. Presented by J. Murphy.
- Murphy, James J., Ariel Dinar, Richard E. Howitt, Stephen J. Rassenti and Vernon L. Smith 2001. *Smart Markets for Water*. Annual IFREE Graduate Student Workshop in Experimental Economics. George Mason University. Arlington, VA. July 26–August 2. Presented by J. Murphy.
- Murphy, James J., Ariel Dinar, Richard E. Howitt, Stephen J. Rassenti and Vernon L. Smith 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. Presented by J. Murphy.

#### **Other Papers and Presentations**

- Stranlund, John K., James J. Murphy, and John Spraggon. 2007. *A Laboratory Investigation of the Welfare Effects of Imperfectly Enforced Emissions Trading Policies*. Southern Economic Association annual meeting. New Orleans, LA. November 19-21. Presented by J. Murphy.
- Knapp, Gunnar and James J. Murphy. 2007. *Rent Dissipation in Competitive Fisheries: An Experimental Analysis*. Southern Economic Association annual meeting. New Orleans, LA. November 19-21. Presented by J. Murphy.
- McEvoy, David M., James J. Murphy, John K. Stranlund, and John Spraggon. 2007. *Enforcing Compliance with a Voluntary Agreement: An Experimental Analysis*. Southern Economic Association annual meeting. New Orleans, LA. November 19-21. Presented by D. McEvoy.
- Knapp, Gunnar and James J. Murphy. 2007. *Rent Dissipation in Competitive Fisheries: An Experimental Analysis*. North American meeting of the Economic Science Association. Tucson, AZ. October 18-21. Presented by J. Murphy.
- Knapp, Gunnar and James J. Murphy. 2006. *Rent Dissipation in Limited Entry Fisheries with Aggregate Quotas: An Experimental Analysis*. North American meeting of the Economic Science Association. Tucson, AZ. September 29-October 1. Presented by J. Murphy.
- Velez, Maria Alejandra, James J. Murphy and John K. Stranlund. 2006. *Within and Between Group Variation of Individual Strategies in Common Pool Resources: Evidence from Field Experiments*. North American meeting of the Economic Science Association. Tucson, AZ. September 29-October 1. Presented by J. Murphy.

- Maria Alejandra Velez, John K. Stranlund, and James J. Murphy. 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. Anchorage, AK. August 18-19. Presented by J. Murphy.
- Maria Claudia López, James J. Murphy and John K. Stranlund. 2006. *Comparing the Effectiveness of External Regulation and Social Emotions to Enhance Cooperation: Experimental Evidence from the Field*. Collective Action in the Commons: Theoretical and Empirical Approaches. Javeriana University, Bogotá, Colombia. August 15-17. Presented by M.C. López.
- Maria Alejandra Velez, John K. Stranlund, and James J. Murphy. 2006. *Centralized and Decentralized Management of Common Pool Resources in the Developing World: Experimental Evidence from Fishing Communities in Colombia*. Collective Action in the Commons: Theoretical and Empirical Approaches. Javeriana University, Bogotá, Colombia. August 15-17. Presented by M.A. Velez.
- Stranlund, John K., Maria Alejandra Velez, and James J. Murphy. 2006. *Preferences for Government Enforcement of a Common Pool Harvest Quota: Theory and Experimental Evidence from Fishing Communities in Colombia*. Collective Action in the Commons: Theoretical and Empirical Approaches. Javeriana University, Bogotá, Colombia. August 15-17. Presented by J. Stranlund.
- Murphy, James J. and John K. Stranlund. 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. Presented by J. Murphy.
- Maria Claudia López, James J. Murphy and John K. Stranlund. 2006. *Comparing the Effectiveness of External Regulation and Social Emotions to Enhance Cooperation: Experimental Evidence from the Field*. IAREP/SABE Conference on Behavioural Economics and Economic Psychology. Montreal. Paris. July 5-8. Presented by M.C. López.
- Maria Claudia López, James J. Murphy and John K. Stranlund. 2006. *Comparing the Effectiveness of External Regulation and Social Emotions to Enhance Cooperation: Experimental Evidence from the Field*. Economic Science Association Annual International Meeting. Montreal. Atlanta, GA. June 8-11. Presented by M.C. López.
- Murphy, James J. and John K. Stranlund. 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. Presented by J. Murphy.
- Murphy, James J., Thomas H. Stevens and Lava Yadav. 2005. *Induced vs. Homegrown Values to Test for Hypothetical Bias in Contingent Valuation*. Economic Science Association Annual Meeting. September 29-October 2. Tucson, AZ. Presented by J. Murphy.

- Murphy, James J. and John K. Stranlund. 2005. *An Investigation of Self-Discovery and Disclosure of Environmental Violations Using Laboratory Experiments*. American Agricultural Economics Association Annual Meeting. Providence, RI. July 24–27. Presented by J. Stranlund.
- Murphy, James J. and John K. Stranlund. 2005. *An Investigation of Self-Discovery and Disclosure of Environmental Violations Using Laboratory Experiments*. Economic Science Association Annual International Meeting. Montreal. June 23–26. Presented by J. Murphy.
- Velez, Maria Alejandra, John K. Stranlund and James J. Murphy. 2005. *Communication and External Regulation for Conserving Common Pool Resources: Experimental Evidence from the Field*. Economic Science Association Annual International Meeting. Montreal. June 23–26. Presented by M.A. Velez.
- Murphy, James J. and John K. Stranlund. 2005. *Compliance Behavior in Emissions Trading Programs: An Experimental Analysis*. National Environmental Partnership Summit. Chicago, IL. April 11–14. Presented by J. Stranlund.
- Murphy, James J. and John K. Stranlund. 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. Presented by J. Murphy and J. Stranlund.
- Velez, Maria Alejandra, John K. Stranlund and James J. Murphy. 2005. *What Motivates Common Pool Resource Users? Experimental Evidence from the Field*. Second Latin-American and Caribbean Congress of Environmental and Resource Economists. Oaxaca, Mexico. March 18–20. Presented by M.A. Velez.
- Murphy, James J. and John K. Stranlund. 2004. *Enforcement of Tradable Emissions Permit Programs: Do Firm Characteristics Affect Compliance Choices?* Economic Science Association Annual North American Meeting. Tucson, AZ. November 4–7. Presented by J. Murphy.
- Murphy, James J. and Thomas H. Stevens. 2004. *A Meta-Analysis of Hypothetical Bias in Stated Preference Valuation*. Workshop on Methods for Studying Interactions between Economic and Ecological Systems and Their Institutions. Javeriana University, Bogotá, Colombia. August 2–4. Presented by T. Stevens.
- Murphy, James J. and John K. Stranlund. 2004. *Enforcing Market-Based Environmental Policies: An Experimental Analysis*. Workshop on Methods for Studying Interactions between Economic and Ecological Systems and Their Institutions. Javeriana University, Bogotá, Colombia. August 2–4. Presented by J. Stranlund.
- Murphy, James J. and John K. Stranlund. 2003. *A Laboratory Investigation of Compliance Behavior under Transferable Permits and Fixed Standards*. Economic Science Association Annual North American Meeting. Tucson, AZ. October 30–November 2. Presented by J. Murphy.
- Murphy, James J. and John K. Stranlund. 2003. *An Investigation of Compliance Behavior and Enforcement of Emissions Trading Programs Using Experimental Analyses*. American Agricultural Economics Association Annual Meeting. Montreal, Quebec. July 28–31. Presented by J. Murphy.

- Murphy, James J., Darryl Weatherhead and Thomas H. Stevens. 2002. *Controlling for Hypothetical Bias in Contingent Valuation Studies*. World Congress of Environmental and Resource Economists. Monterey, CA. June 24–27. Presented by J. Murphy.
- Murphy, James J., Darryl Weatherhead and Thomas H. Stevens. 2002. *An Empirical Case Study of Hypothetical Bias in the Contingent Valuation Method*. Economic Science Association Annual International Meeting. Boston, MA. June 27–30. Presented by T. Stevens.
- Murphy, James J., Ariel Dinar, Richard E. Howitt, Erin Mastrangelo, Stephen J. Rassenti and Vernon L. Smith. 2002. *Mechanisms for Addressing Third-Party Impacts Resulting from Voluntary Water Transfers*. American Agricultural Economics Association Annual Meeting. Long Beach, CA. July 28–31. Presented by J. Murphy.
- Dinar, Ariel, Richard E. Howitt, James J. Murphy, Stephen J. Rassenti and Vernon L. Smith. 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. Seattle, WA. November 2–4. Presented by J. Murphy.
- Murphy, James J. and Richard E. Howitt. 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, Italy. June 25–27. Presented by J. Murphy.
- Murphy, James J. and Richard E. Howitt. 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. Presented by J. Murphy.
- Ariel Dinar, Richard E. Howitt, James J. Murphy, Stephen J. Rassenti and Vernon L. Smith. 1998. *How Might Future Water Markets Look? The Use of Experimental Economics to Design Markets for Water*. World Congress of Resource and Environmental Economists. Venice, Italy. June 25–27. Presented by A. Dinar.
- Ariel Dinar, Richard E. Howitt, James J. Murphy, Stephen J. Rassenti and Vernon L. Smith. 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. Pittsburgh, PA. April 9–10. Presented by J. Murphy and V. Smith.

### **Working Papers**

- Velez, Maria Alejandra, James J. Murphy and John K. Stranlund. *Within and Between Group Variation of Individual Strategies in Common Pool Resources: Evidence from Field Experiments*. Working Paper 2006-4. Amherst, MA: Department of Resource Economics, University of Massachusetts.

- Velez, Maria Alejandra, James J. Murphy and John K. Stranlund. *Centralized and Decentralized Management of Local Common Pool Resources in the Developing World: Experimental Evidence from Fishing Communities in Colombia*. Working Paper 2006-3. Amherst, MA: Department of Resource Economics, University of Massachusetts.
- Velez, Maria Alejandra, John K. Stranlund and James J. Murphy. 2005. *What Motivates Common Pool Resource Users? Experimental Evidence from the Field*. Working Paper 2005-4. Amherst, MA: Department of Resource Economics, University of Massachusetts.
- Murphy, James J. and John K. Stranlund. 2005. *A Laboratory Investigation of Compliance Behavior under Tradable Emissions Rights: Implications for Targeted Enforcement*. Working Paper 2005-1. Amherst, MA: Department of Resource Economics, University of Massachusetts.
- Ash, Michael, James J. Murphy, Thomas H. Stevens. 2004. *Hypothetical Bias in Dichotomous Choice Contingent Valuation*. Working Paper 2004-9. Amherst, MA: Department of Resource Economics, University of Massachusetts.
- Murphy, James J., Ariel Dinar, Richard E. Howitt, Stephen J. Rassenti, Vernon L. Smith, Marca Weinberg. 2004. *Incorporating Instream Flow Values into a Water Market*. Working Paper 2004-8. Amherst, MA: Department of Resource Economics, University of Massachusetts.
- Murphy, James J. and John K. Stranlund. 2004. *Direct and Market Effects of Enforcing Emissions Trading Programs: An Experimental Analysis*. Working Paper 2004-5. Amherst, MA: Department of Resource Economics, University of Massachusetts.
- Murphy, James J., P. Geoffrey Allen, Thomas H. Stevens, Darryl Weatherhead. 2003. *A Meta-Analysis of Hypothetical Bias in Stated Preference Valuation*. Working Paper 2003-8. Amherst, MA: Department of Resource Economics, University of Massachusetts.
- Murphy, James J., Ariel Dinar, Richard E. Howitt, Erin Mastrangelo, Stephen J. Rassenti and Vernon L. Smith. 2003. *Mechanisms for Addressing Third-Party Impacts Resulting from Voluntary Water Transfers*. Working Paper 2003-7. Amherst, MA: Department of Resource Economics, University of Massachusetts.
- Murphy, James J., Thomas H. Stevens and Darryl Weatherhead. 2003. *An Empirical Study of Hypothetical Bias in Voluntary Contribution Contingent Valuation: Does Cheap Talk Matter?* Working Paper 2003-2. Amherst, MA: Department of Resource Economics, University of Massachusetts.

### **Seminars and Symposia**

- Murphy, James J., John K. Stranlund and John Spraggon. 2007. *A Laboratory Investigation of Imperfectly Enforced Emissions Trading*. Seminar in Environmental Economics and Policy, Harvard University. April 25. Presented by J. Stranlund.
- Murphy, James J., John K. Stranlund and John Spraggon. 2007. *Enforcement and Compliance of Permit Markets*. Department of Applied Economics and Management, Cornell University. April 23. Presented by J. Murphy.

- Velez, Maria Alejandra, John K. Stranlund, and James J. Murphy. 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. Fairbanks, AK. October 23. Presented by J. Murphy.
- Velez, Maria Alejandra, James J. Murphy and John K. Stranlund. 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. Reno, NV. October 3. Presented by J. Murphy.
- Velez, Maria Alejandra, James J. Murphy and John K. Stranlund. 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. Tempe, AZ. October 2. Presented by J. Murphy
- Murphy, James J. and John K. Stranlund. 2005. *A Laboratory Investigation of Compliance Behavior under Tradable Emissions Rights: Implications for Targeted Enforcement*. Department of Economics, California Polytechnic University. San Luis Obispo, CA. October 31. Presented by J. Murphy.
- Murphy, James J., Ariel Dinar, Richard E. Howitt, Stephen J. Rassenti and Vernon L. Smith. 2005. *Smart Markets for Water in the Western United States*. Department of Economics, Dickinson College. March 10. Presented by J. Murphy.
- Murphy, James J. and John K. Stranlund. 2004. *Direct and Market Effects of Enforcing Emissions Trading Programs: An Experimental Analysis*. Annual Conference on Watershed Conservation. University of Massachusetts. September 17. Presented by J. Murphy.
- Murphy, James J. and John K. Stranlund. 2004. *A Laboratory Investigation of Compliance Behavior under Transferable Permits and Fixed Standards*. Center for Public Policy and Administration, University of Massachusetts. March 1. Presented by J. Murphy and J. Stranlund.
- Murphy, James J. and John K. Stranlund. 2004. *A Laboratory Investigation of Compliance Behavior under Transferable Permits and Fixed Standards*. Interdisciplinary Center for Economic Science, George Mason University. January 30. Presented by J. Murphy.
- Murphy, James J. and John K. Stranlund. 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. Presented by J. Murphy and J. Stranlund.
- Murphy, James J. and Thomas H. Stevens. 2002. *Controlling for Hypothetical Bias in Contingent Valuation Studies*. Dept. of Resource Economics, University of Rhode Island. November 11. Presented by J. Murphy.
- Murphy, James J., Ariel Dinar, Richard E. Howitt, Stephen J. Rassenti and Vernon L. Smith. 2002. *Managing Scarcity with Water Markets*. Annual Conference on Watershed Conservation, University of Massachusetts. September. 20. Presented by J. Murphy.

- Murphy, James J. and Thomas H. Stevens. 2002. *Controlling for Hypothetical Bias in Contingent Valuation Studies*. Dept. of Economics, Middlebury College. March 8. Presented by J. Murphy.
- Murphy, James J. and Thomas H. Stevens. 2001. *Controlling for Hypothetical Bias in Contingent Valuation Studies*. Dept. of Agricultural and Resource Economics, University of Connecticut. April 18. Presented by J. Murphy.
- Murphy, James J., Ariel Dinar, Richard E. Howitt, Stephen J. Rassenti and Vernon L. Smith. 2000. *The Design of "Smart" Water Market Institutions*. Center for Public Policy and Administration, University of Massachusetts. December 11. Presented by J. Murphy.

### **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.

### **GRANTS**

- "Experimental Testbeds for New Applications of Environmental Trading Programs." US Environmental Protection Agency, STAR Grant. 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. 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). With John Tisdell and John K. Stranlund.

“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.” NSF. 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

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

### Completed Research

- 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.
- 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.
- 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.
- McEvoy, David M. *Enforcing Voluntary Agreements for Environmental Protection: A Theoretical and Experimental Analysis*. 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.
- Weatherhead, Darryl. 2002. *An Empirical Case Study of Hypothetical Bias in the Contingent Valuation Method*. M.S. thesis. Committee member.
- Yadav, Lava. 2007. *Hypothetical Bias in Contingent Valuation*. Ph.D. dissertation. Committee member.

## **ADDITIONAL PROFESSIONAL ACTIVITIES**

---

### **REVIEWER FOR:**

#### Journals

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; Economic Inquiry; Economic Journal; Environmental and Resource Economics; Environmental Management; 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; Resource and Energy Economics; Southern Economic Journal; Water Resources Research

#### Book publishers

Addison-Wesley; Dryden Press; McGraw-Hill; Routledge; Thompson Southwestern; Worth

#### Grants

National Science Foundation; Nevada Agricultural Experiment Station; Research Council of Norway; Rhode Island Agricultural Experiment Station; Rhode Island Sea Grant College Program; Social Sciences and Humanities Research Council of Canada; US Civilian Research and Development Foundation; US Environmental Protection Agency STAR Grant peer-review panels.

#### Other

AAEA Selected Papers for Annual Summer Meetings

### **PUBLIC MEDIA APPEARANCES**

“Experimental economics lab works to spur Cook Inlet exploration, production,” by Eric Lidji. *Petroleum News*. 13(2). May 18, 2008.

“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. September 17, 2007. Topic: NSF grant to study subsistence harvests in Western Alaska.

Letter to the editor on Alaska’s wild fisheries, *Eating Well*, September 2007.

Live interview on KNBA, 90.3FM, Anchorage. August 30, 2007. Topic: Experimental Economics.

“PFD Charity Check-off Will Show No Harm in Doing Good.” *Anchorage Daily News*, May 12, 2007.

“Public Policies Should Get Test Flights.” *Anchorage Daily News*, December 12, 2006.

Interview on ABC Alaska News. KIMO, Channel 13, Anchorage. November 27, 2006. Topic: Thomas Schelling and Game Theory.

## **HONORS AND AWARDS**

---

- Chair for Outstanding Master's Thesis Award. Northeastern Agricultural and Resource Economics Association. 2002.
- 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.