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Department of Applied Economics & Statistics
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EDUCATION

Ph.D. Cornell University Ithaca, New York, 2003
Dyson School of Applied Economics & Management
Major Field: Resource Economics
Minor Fields: Environmental Economics, Applied Economics

M.S. University of Michigan Ann Arbor, Michigan, 1999
School of Natural Resources & Environment
Major Field: Resource Policy & Behavior
Concentration: Conservation Biology & Ecosystem Management

B.A. Grinnell College Grinnell, Iowa, 1994
Major: Anthropology

PROFESSIONAL EXPERIENCE

Unidel H. Cosgrove Chair for the Environment, Department of Applied Economics & Statistics, Associate Professor (2011–present); Assistant Professor (2007–2011); joint appointments:

- Department of Economics in the Lerner College of Business & Economics
- School of Marine Science and Policy in the College of Earth, Ocean & Environment.

Director, Center for Experimental & Applied Economics, University of Delaware (2007–present)

Co-Director of C-BEAR, USDA Center for Behavioral & Experimental Agri-Environmental Research (with Paul Ferraro) (2014–present)

Editor, *Agricultural and Resource Economics Review* (2012–2014)

Research Associate, Dyson School of Applied Economics & Management, Cornell University (2003–2007)

Director, Laboratory for Experimental Economics & Decision Research (with W.D. Schulze), Cornell University (2003–2007)

Executive Director (*founding*), Bluff Lake Nature Center, Denver, Colorado (1994–1997)

AREAS OF RESEARCH

- Environmental Conservation
- Provision of Public Goods
- Behavioral Response to Risk

TEXT BOOK

Kaiser, H.M. and K.D. Messer. 2011. Mathematical Programming for Agricultural, Environmental and Resource Economics. *John Wiley and Sons*, Hoboken, New Jersey.

JOURNAL PUBLICATIONS

Messer, K.D., M. Keciniski, R. Hirsch, and X. Tang. *Forthcoming*. “Applying Multiple Knapsack Optimization to Improve the Cost Effectiveness of Land Conservation” *Land Economics*.

Fooks, J., N. Higgins, K.D. Messer, J. Duke, D. Hellerstein, and L. Lynch. *Forthcoming*. “Conserving Spatially Explicit Benefits in Ecosystem Service Markets: Experimental Tests of Network Bonuses and Spatial Targeting” *American Journal of Agricultural Economics*.

Li, J., J. Michael, J. Duke, K.D. Messer, and J. Suter. *Forthcoming*. “Behavioral Response to Contamination Risk Information in a Spatially Explicit Groundwater Environment: Experimental Evidence.” *Water Resources Research*.

Liu, Z., J. Suter, K.D. Messer, J. Duke, and H. Michael. *Forthcoming*. “Strategic Entry and Externalities in Groundwater Resources: Evidence from the Lab.” *Resource and Energy Economics*.

Fooks, J., K.D. Messer, and J. Duke. 2015. “Dynamic Entry, Reverse Auctions, and the Purchase of Environmental Services.” *Land Economics*. 91(1): 57-75.

Hoffman, V, J. Fooks, and K.D. Messer. 2014. “Measuring and Mitigating HIV Stigma: A Framed Field Experiment” *Economic Development and Cultural Change*. 62(4): 701-726.

Duke J.D., S.J. Dundas, R.J. Johnston, and K.D. Messer. 2014. “Prioritizing Payment for Environmental Services: Using Nonmarket Benefits for Optimal Selection.” *Ecological Economics*. 105: 319-329.

Wiest, W., G. Shriver, and K.D. Messer. 2014. “Incorporating Climate Change with Conservation Planning: A Case Study for Tidal Marsh Bird Conservation in Delaware, USA.” *Journal of Conservation Planning*. 10: 25-42.

Unur, A.S., H.E. Peters, K.D. Messer, and W.D. Schulze. 2013. “Incentive Effects of Parents’ Transfers to Children: Evidence from an Artefactual Field Experiment” *B.E. Journal of Economic Analysis & Policy (Contributions)*. 14(1): 73-106.

Arnold, M., J.M. Duke, and K.D. Messer. 2013. “Adverse Selection in Reverse Auctions for Environmental Services” *Land Economics*. 89(3): 387-412.

Messer, K.D., J. Suter, and J. Yan. 2013. “Context effects in a negatively framed social dilemma experiment” *Environmental & Resource Economics*. 55(3): 397-405.

Duke, J.M., S.J. Dundas, and K.D. Messer. 2013. “Cost-Effective Conservation Planning: Lessons from Economics” *Journal of Environmental Management*. 125: 126-133.

Keisner, D.K., K.D. Messer, W.D. Schulze, and H. Zarghamee. 2013. "Testing Social Preferences for an Economic 'Bad': An Artefactual Field Experiment." *Scandinavian Journal of Economics* 115(1): 27–61.

Liu, Z., C. Kanter, K.D. Messer, and H. M. Kaiser. 2013. "Identifying significant characteristics of organic milk consumers: a CART analysis of an artefactual field experiment" *Applied Economics*. 45(21): 3110-3121.

Messer, K.D., G.L. Poe and W.D. Schulze. 2013. "The Value of Private Versus Public Risk and Pure Altruism: An Experimental Economics Test." *Applied Economics*. 45(9): 1089-1097.

Suter, J., J. Duke, and K.D. Messer, and H. Michael. 2012. "Behavior in a Spatially Explicit Groundwater Resource: Evidence from the Lab." *American Journal of Agricultural Economics*. 94(5): 1094-1112.

Fooks, J.R. and K.D. Messer. 2012. "Maximizing Conservation and In-Kind Cost Share: Applying Goal Programming to Forest Protection" *Forest Economics*. 18: 207-217.

Dillaway, R., K.D. Messer, J. Bernard, and H.M. Kaiser. 2011. "Do Consumer Responses to Media Food Safety Information Last?" *Applied Economics Policy and Perspectives*. 33(3): 363-383.

Shawhan, D., K.D. Messer, W.D. Schulze, and R.E. Schuler. 2011. "An Experimental Test of Automatic Mitigation of Wholesale Electricity Prices." *International Journal of Industrial Organization*. 29(1): 46-53.

Messer, K.D., H.M. Kaiser, C. Payne, and B. Wansink. 2011. "Can Generic Advertising Alleviate Consumer Concerns Over Food Scares?" *Applied Economics*. 43(12):1535-1549.

Allen, W.L., O.M. Amundsen, J. Dujmović, and K.D. Messer. 2011. "Identifying and Selecting Strategic Mitigation Opportunities: Criteria Design and Project Evaluation using Logic Scoring of Preference and Optimization." *Journal of Conservation Planning*. 7: 61-68.

Messer, K.D. and W.L. Allen. 2010. "Applying Optimization and the Analytic Hierarchy Process to Enhance Agricultural Preservation Strategies in the State of Delaware." *Agricultural and Resource Economics Review* 39(3): 442-456.

Messer, K.D. 2010. "Protecting Endangered Species: When Are Shoot-on-Sight Policies the Only Viable Option to Stop Poaching?" *Ecological Economics* 69: 2334–2340.

Messer, K.D., G.L. Poe, D. Rondeau, W.D. Schulze and C. Vossler. 2010. "Social Preferences and Voting: An Exploration Using a Novel Preference Revealing Mechanism." *Journal of Public Economics* 94(3-4): 308-317.

Messer, K.D. and J.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.

Kotani, K., K.D. Messer and W.D. Schulze. 2010. "Matching Grants and Charitable Giving: Why Some People Sometimes Provide a Helping Hand to Fund Environmental Goods" *Agricultural and Resource Economics Review* 39(2): 324-343.

Kanter C., K.D. Messer and H.M. Kaiser. 2009. "Does Production Labeling Stigmatize Conventional Milk?" *American Journal of Agricultural Economics* 91(4):1097-1109.

Payne, C., K.D. Messer, and H.M. Kaiser. 2009. "Which Consumers Are Most Responsive to Media Induced Food Scares?" *Agricultural and Resource Economics Review* 38(3): 295-310. (2009 Outstanding Article of the Year: Honorable Mention, Northeastern Agricultural and Resource Economics Association)

Messer, K.D., H.M. Kaiser and W.D. Schulze. 2008. "The Problem of Free Riding in Voluntary Generic Advertising: Parallelism and Possible Solutions from the Lab" *American Journal of Agricultural Economics* 90(2): 540–552.

Doyon, M., V. Simard, K.D. Messer, L.D. Tamini, and H.M. Kaiser. 2008. "An Experimental Analysis of Modifications to the Centralized Milk Quota Exchange System in Quebec." *Canadian Journal of Agricultural Economics* 56(1): 295-312. (Outstanding Journal Article Award for 2008 by the Canadian Agricultural Economics Society)

Messer, K.D., H. Zarghamee, H.M. Kaiser and W.D. Schulze. 2007. "New Hope for the Voluntary Contribution Mechanism: The Effects of Context." *Journal of Public Economics* 91(9):1783-1799.

Messer, K.D., H.M. Kaiser, and G.L. Poe. 2007. "Voluntary Funding for Generic Advertising Using a Provision Point Mechanism: An Experimental Analysis of Option Assurance." *Review of Agricultural Economics* 29(3):612-631.

Messer, K.D. 2007. "Transferable Development Rights Programs: An Economic Framework for Success." *Journal of Conservation Planning* 3:47-53.

Messer, K.D., W.D. Schulze, K.F. Hackett, T. Cameron, and G. McClelland. 2006. "Can Stigma Explain Large Property Value Losses? The Psychology and Economics of Superfund." *Environmental and Resource Economics* 33(3): 299-324.

Messer, K.D. 2006. "The Conservation Benefits of Cost-Effective Land Acquisition: A Case Study in Maryland." *Journal of Environmental Management* 79:305-315.

Messer, K.D., T.M. Schmit and H.M. Kaiser. 2005. "Optimal Institution Designs for Generic Advertising: An Experimental Analysis." *American Journal of Agricultural Economics* 87(4): 1046-1060.

BOOK CHAPTERS

Messer, K.D., J. Duke, and L. Lynch. 2014. "Applying Experimental Economics to Land Economics: Public Information and Auction Efficiency in Land Preservation Markets." in the Oxford Handbook of Land Economics. J. Duke and J. Wu editors. Oxford Press.

Fooks, J.R. and K.D. Messer. 2013. "Mathematical Programming Applications to Land Conservation and Environmental Quality." in Computational Intelligent Data Analysis for

Sustainable Development. T. Yu, N. Chawla, and S. Simoff, editors. CRC Group, Taylor & Francis Group, Boca Raton, Florida.

Messer, K.D., W.D. Schulze, K.F. Hackett, T. Cameron, and G. McClelland. 2008. “Can Stigma Explain Large Property Value Losses? The Psychology and Economics of Superfund.” in The Economics of Hazardous Waste and Contaminated Land, H.A. Sigman, editor. Edward Elgar Publishing.

FUNDING (*Total*: 47 projects totaling \$36,283,004; *PI*: 24 projects totaling \$1,918,045; *Co-PI*: 12 projects, totaling \$31,540,330; *Advisor*: 4 projects, totaling \$2,738,429)

RESEARCH GRANTS

USDA Economic Research Service. 2014-2017. “USDA Center for Behavioral and Experimental Agricultural Environmental Policy Research (C-BEAR)” \$750,000. K.D. Messer and P. Ferraro (PIs), D. Just, M. Price, and G. Poe (co-PIs).

National Oceanic and Atmospheric Administration (NOAA) Sea Grant. 2014-2017. “Economics of Ecosystem Services for Oyster Aquaculture.” \$317,215. S.L. Jardine (PI), J. Eward, M. Kecinski, K.D. Messer, G. Parsons, and J.K. York (co-PIs).

USDA Agricultural and Food Research Initiative – “Water Quality Economics Workshop.” \$47,882, Guilfoos (PI), K. Bell, K.D. Messer and E. Uchida (co-PIs)

National Science Foundation – funding support from EPSCoR Track-I. 2013-2018. “Delaware EPSCoR: Meeting Delaware's 21st Century Water and Energy Challenges through Research, Education, and Innovation.” \$24,000,000. D.L. Sparks (PI); V. Kalavacharla, K.D. Messer, J. Rabolt, S. Smith. (co-PIs).

National Science Foundation – funding support from EPSCoR Track-2. 2013-2016. “North East Water Resources Network (NEWNet)” \$6,000,000. D.J. Leathers (PI); A. Andres, D. Levia, S. Inamdar, and K.D. Messer (co-PIs).

National Science Foundation – funding support from the Decision, Risk & Management Sciences directorate. 2013-2014. “Doctoral Dissertation Research in DRMS: Protecting the Coastline - Optimal Coastal Inundation Adaptation Mechanisms.” \$13,860. K. Messer (PI); J. Fooks (co-PI).

General University Research, University of Delaware, 2013-2014. “The Economic Science of How to Do More with Less” \$6,000. K.D. Messer (PI).

National Science Foundation – funding support from the Decision, Risk & Management Sciences, Engineering, and Geosciences directorates, 2012-2013. “WSC Category 1 - Water Sustainability in Coastal Environments: Exploratory Research for an Integrated Study of the Effect of Anticipated Sea Level Rise on Contaminated Site Risk.” \$145,000. J.M. Duke (PI), K.D. Messer, H. Michael and D. Sparks (co-PIs).

Northeast Center for Risk Management Education, 2012-2013. “Pricing and Marketing Risk Management Education for Honey Producers.” \$35,000. D. Delaney and K. Messer (PIs), J. Fooks (Co-PI).

USDA Economic Research Service, 2011-2013. “Designing Choice Architecture to Cost-Effectively Reduce Agricultural Nutrient and Sediment Water Pollution in the Galveston Bay Watershed: A Framed Field Experiment.” \$100,000. ID#58-6000-1-0037. K.D. Messer and W.D. Allen (PIs), O. Amundsen (Co-PI).

National Science Foundation – funding support from the EPSCoR program, 2011-2012. “An Economics Analysis of the Visual Effects of Offshore Wind Projects.” \$54,676. ID#0814251. K.D. Messer (PI), J. Duke, J. Johnson, and G. Parsons (co-PIs).

Maryland State Highway Administration, 2011. “Training on the Optimization Decision Support Tool.” \$20,000. W. Allen and K.D. Messer.

National Science Foundation – funding support from the Decision, Risk & Management Sciences and Geosciences programs and SBE and Geosciences Directorates, 2010-2012. “Collaborative Research: An Experimental Economics Investigation of Groundwater Resource Dynamics.” \$369,483. ID#1024889. K.D. Messer and J. Suter (PIs), H. Michael and J. Duke (co-PIs).

USDA Economic Research Service, 2007-2012. “Applying Economic Experiments to Improve the Design and Implementation of Conservation Programs” \$332,104. ID#58-6000-7-0089. K.D. Messer, M. Weinberg (PIs), J. Duke, D. Hellerstein, N. Higgins, B. Kirwan, L. Lynch, and M. Roberts (Co-PIs).

Delaware Department of Agriculture, 2010-2011. “Exploring Ways to Ensure the Efficiency and Effectiveness of Delaware's Conservation Efforts” \$10,000. K.D. Messer and J. Duke (PIs).

Maryland Population Research Center, 2009-2010. “Reducing HIV Stigma: Measuring the Effectiveness of Various Interventions.” \$15,000. V. Hoffman (PI), K.D. Messer and N.M. Samuel (co-PIs).

US Environmental Protection Agency, National Center for Environmental Economics, 2008-2010. “2009 NAREA Workshop: The Use of Experimental Methods in Environmental and Natural Resource Economics.” \$60,624. ID#08001017. K.D. Messer (PI), J. Murphy and T. Awokuse (co-PIs).

USDA Economic Research Service, 2009-2010. “2009 NAREA Workshop: The Use of Experimental Methods in Environmental and Natural Resource Economics” \$10,000. K.D. Messer (PI) and J. Murphy (co-PI).

Harry R. Hughes Center for Agro-Ecology, Special Project Grant through USDA-NIFA., 2008-2011. “Better Practices of Maryland Land Conservation” \$58,450. K.D. Messer and W.L. Allen (PIs).

Maryland State Highway Administration, 2008. “Waldorf Area Transportation Improvements Project: Identification & Evaluation of Natural Resource Environmental Stewardship Opportunities” \$200,000. W. Allen (PI), K.D. Messer (advisor).

US Fish and Wildlife Service, 2008-2009. “Development of a Multi-Species Habitat Conservation Plan for NiSource Natural Gas Transmission Facilities.” \$2,400,000. W. Allen (PI), K.D. Messer (advisor).

Colombian Department of Science, Technology and Innovation (Colciencias), 2008-2009. “The Poverty Trap and Attitudes to Risk” \$100,429. Rosario University, Bogota, Colombia. M. Ramirez (PI), R. Arguello and H. Zuleta (co-PIs). K.D. Messer (advisor).

U.S. Army. 2008. “The Use of Optimization in the Army’s Compatible Use Buffer Programs” \$16,848. W.L. Allen and K.D. Messer (PIs).

Lerner College Multidisciplinary Research Grant, University of Delaware, 2008-2009. “Mechanisms for Allocating Agricultural Conservation Easements” \$6,000 Arnold, M. (PI), J. Duke and K.D. Messer (Co-PIs)

General University Research, University of Delaware, 2008-2009. “Can Context Effects Mitigate the Free-Riding Behavior that Causes Negative Externalities?” \$6,000. K.D. Messer (PI).

University of Delaware, CANR Seed Grant, 2007-2009. “Applying Economic Experiments to Improve the Design and Implementation of Conservation Programs” \$20,000. K.D. Messer and J. Duke (PIs).

National Institute for Commodity Promotion and Evaluation, 2007-2008. “Assessing Consumer’s Sensitivity and Willingness-To-Pay for Poultry and Eggs Given Different Production Methods.” \$15,000. K.D. Messer (PI), J. Bernard (Co-PI).

National Science Foundation – funded by the Decision, Risk and Management Sciences program, 2006-2008. “The Economics and Psychology of Stigma: An Experimental Examination.” \$239,966. ID#0551289. W.D. Schulze (PI), K.D. Messer and B. Wansink (Co-PIs).

The Conservation Fund, 2006. “Applying Transferable Development Rights Programs to Kona, Hawaii.” \$38,000. W. Allen (PI), K.D. Messer (advisor).

National Institute for Commodity Promotion and Evaluation, 2006. “Assessing the Impact of Media Reports and Industry Food Safety Information on Consumer’s Risk Attitudes and Willingness-To-Pay.” \$184,802. H.M. Kaiser (PI), K.D. Messer and D. Dong (Co-PIs).

Baltimore County, Maryland, 2005. “Optimizing Agricultural Lands Protection in Baltimore County.” \$85,000. K.D. Messer (PI), W. Allen and O. Amundsen (Co-PIs).

National Institute for Commodity Promotion and Evaluation, 2005. “Examining the Efficiency of Alternative Provision Point Mechanisms for Funding Generic Advertising.” \$181,460. H.M. Kaiser (PI), K.D. Messer, D. Dong and T. Schmit (co-PIs).

National Science Foundation – Jointly funded by the Economics and Decision, Risk & Management Sciences programs, 2004-2006. “An Experimental Economics Examination of Behavioral Anomalies, Group Decision Making, and the Provision of Public Goods.” ID#0418450. Co-PI with William Schulze, Greg Poe and Harry Kaiser (\$220,535).

The Conservation Fund, 2004. “Kent County, Delaware, Rapid Assessment of Green Infrastructure: Working Landscape Program Evaluation.” \$75,000. W. Allen (PI), K.D. Messer (Co-PI).

National Institute for Commodity Promotion and Evaluation, 2004. "Optimal Institutional Mechanisms for Funding Generic Advertising: An Experimental Analysis." \$155,352. H.M. Kaiser (PI), K.D. Messer, D. Dong, and T. Schmit (Co-PIs).

Cornell University Agricultural Experiment Station. 2002. "Conservation as an Optimal Portfolio." \$1,200. K.D. Messer (PI).

TEACHING AND ADVISING GRANTS

Center for Science, Ethics & Public Policy, 2013. "Development of an Integrated, Three-Stage, Environmental Ethics Module for APEC100 - Sustainable Development". \$3,000.

EPSCoR Undergraduate Research, 2013. (advisee) L. Grand. \$4,500.

CANR Summer Scholars, 2012 (advisee) W. Jones. \$4,500.

EPSCoR Undergraduate Research, 2012. (advisee) S. Olson. \$4,500.

Delaware Water Resources Center, 2012. (advisee) Nicholas Flynn. \$1,750.

CANR International Graduate Education Travel Grant, 2011. Visit to ICRISAT in Hyderabad, India. \$1,000.

EPSCoR Undergraduate Research, 2011. (advisee) R. O'Dowd. \$4,500.

Institute for Transforming Undergraduate Learning, 2009. Fellow in the "Problem-Based Learning Workshop." \$1,000.

RESEARCH BULLETINS, WORKING PAPERS, TECHNICAL PUBLICATIONS, ETC.

Toussaint, J., S. Wu, and K.D. Messer, "Maximizing Benefits for Women: A Charitable Donation Allocation Problem, *Alfred Lerner College of Business and Economics Working Paper*, University of Delaware, Newark, Delaware, 2012-12.

Duke, J.M., S.J. Dundas, and K.D. Messer, "Cost Effective Conservation Planning: Twenty Lessons from Economics" *Alfred Lerner College of Business and Economics Working Paper*, University of Delaware, Newark, Delaware, 2012-01.

Messer, K.D. (editor). 2012. "Maximizing Benefits for Women in Delaware: Improving Project Selection Using Optimization Techniques." J. Toussaint and S. Wu (student contributors) *Food and Resource Economics Research Report*, University of Delaware, RR12-01.

Messer, K.D. (editor). 2011. "Minimizing cost for Municipal residential solid waste collection in City of Newark using Goal Programming & GIS tools." P. Jain (student contributor) *Food and Resource Economics Research Report*, University of Delaware, RR11-02.

Messer, K.D., W.L. Allen, and C. Chen. 2011. "Best Practices for Increasing the Cost Effectiveness of the Maryland Agricultural Lands Preservation Foundation." *Harry R. Hughes Center for Agro-Ecology Research Report*.

Messer, K.D. (editor). 2011. "Applying Mathematical Programming to Environmental and Resource Economics: ORES801 Case Studies of Optimizing the US Military's Readiness and Environmental Protection Initiation (REPI); Using Goal Programming to Maximize Military Readiness and Environmental Protection." M. Korch and T. Bounds (student contributors) *Food and Resource Economics Research Report*, University of Delaware, RR11-01.

Amundsen, O., K.D. Messer, and W.L. Allen. 2010. "Integrating Optimization and Strategic Conservation to Achieve Higher Efficiencies in Land Protection." *Alfred Lerner College of Business and Economics Working Paper*, University of Delaware, Newark, Delaware, 2010-14.

Messer, K.D., J. Suter, and J. Yan. 2010. "Context Effects in a Negative Externality Experiment" *Alfred Lerner College of Business and Economics Working Paper*, University of Delaware, Newark, Delaware, 2010-09.

Fooks, J. and K.D. Messer. 2010. "Maximizing Conservation and In-Kind Cost Share: Applying Goal Programming to Forest Protection" *Alfred Lerner College of Business and Economics Working Paper*, University of Delaware, Newark, Delaware, 2010-08.

Messer, K.D. (editor). 2010. "Achieving Cost Effective Conservation: ORES801 Case Studies of Applying Optimization to Wetland Mitigation from Highway Expansions in Maryland, Improving Water Quality from the Impact of Dirt and Gravel Roads in Pennsylvania, Increase Cost-Sharing for Forest Protection, and Preserving Agricultural Lands in Delaware and Baltimore County, Maryland." R. Dillaway, J. Fooks, Y. Chen, and X. Tang (student contributors), *Food and Resource Economics Research Report*, University of Delaware. RR10-01.

Amundsen, O., K.D. Messer, and W.L. Allen 2009. "The Next Big Step in Strategic Land Conservation: Conservation Optimization" *Eastern Lands Resource Council White Paper*. October.

Messer, K.D. (editor). 2009. "Achieving Cost Effective Conservation: ORES801 Case Studies of Applying Optimization to Protect Endangered Birds, Preserve Agricultural Lands, and Conserve Forested Lands." A. Borchers, A. Kalambur, and S. Stefanova (student contributors), *Food and Resource Economics Research Report*, University of Delaware, RR09-01.

Kanter C., K.D. Messer and H.M. Kaiser. 2008. "The Stigma Effect of rBST Labeling on Milk" Label Claims Do Affect Milk's Image" *National Institute for Commodity Promotion Research and Evaluation (NICPRE) Quarterly* 14(4).

Messer K.D. and W. Allen. 2008. "Applying Optimization and the Analytic Hierarchy Process to Enhance Agricultural Preservation Strategies in the State of Delaware" 2008. *Alfred Lerner College of Business and Economics Working Paper*, University of Delaware, Newark, Delaware, 2008-18.

Messer, K.D., G.L. Poe and W.D. Schulze. 2008. "The Value of Private Risk Versus The Value of Public Risk: An Experimental Analysis Of The Johannesson *et al.* Conjecture." *AEM Working Paper 2008-13*, Cornell University.

Messer, K.D., H.M. Kaiser, C. Payne, and B. Wansink. 2007. “Can Advertising Alleviate Consumer Concerns over Food Scares?” *National Institute for Commodity Promotion Research and Evaluation (NICPRE) Quarterly* 13(4).

Messer, K.D., L.E. Platt, G.L. Poe, D. Rondeau, W.D. Schulze, and C.A. Vossler. 2006. “Final Report: Ecosystem Values and Surface Water Protection: Basic and Applied Research on the Contingent Valuation Method. National Science Foundation Grant SES 0108667” *AEM Research Bulletin*. 2006-02, Cornell University.

Doyon, M., L.D. Tamini, V. Simard, K.D. Messer, H.M. Kaiser. 2006. “L’économie expérimentale pour l’analyse de modifications au système centralisé de vente du quota laitier au Québec.” *CIRANO Série Scientifique*. Novembre.

Messer, K.D., T.M. Schmit and H.M. Kaiser. 2005. “An Experimental Application to Voluntary Funding of Generic Advertising.” *National Institute for Commodity Promotion Research and Evaluation (NICPRE) Quarterly* 11(2).

Messer, K.D., H.M. Kaiser, and W.D. Schulze. 2005. “Context and Voluntary Contributions: An Experimental Analysis of Communication, Voting, and Status Quo Bias.” *AEM Working Paper*. 2005-07, Cornell University.

Schulze, W.D., K.D. Messer, K.F. Hackett, T. Cameron, G. Crawford, and G. McClelland, 2004. “Stigma: The Psychology and Economics of Superfund” Final Report for the U.S. *Environmental Protection Agency*.

Messer, K.D., Schmit, T.M., and H.M. Kaiser. 2004. “Optimal Institutional Mechanisms for Funding Generic Advertising: An Experimental Analysis.” *National Institute for Commodity Promotion and Research Evaluation* 04-05, R.B. 2004-12, Department of Applied Economics and Management, Cornell University.

Messer, K.D., H.M. Kaiser and W.D. Schulze. 2004. “Status Quo Bias and Voluntary Contributions: Can Lab Experiments Parallel Real World Outcomes for Generic Advertising?” *Research Report: National Institute for Commodity Promotion Research and Evaluation*.

Messer, K.D., Kaiser, H.M. and W.D. Schulze. 2004. “Alternative Institutional Designs for Funding Generic Commodity Advertising: An Experimental Analysis” *National Institute for Commodity Promotion Research and Evaluation (NICPRE) Quarterly* 10(1).

Messer, K.D., G.L. Poe and W.D. Schulze. 2004 “Pure Altruism and Public Risk Programs: An Experimental Examination of Voting Behavior.” *AEM Working Paper 2004-18*, Cornell University.

POLICY PUBLICATIONS AND REPORTS

Amundsen, O. and K.D. Messer. 2009. “Tight Budgets and Strategic Conservation: Selecting the Right Lands for the Right Price” *Eastern Lands and Resources Council Journal*. July: 12-13.

Allen, W.L. and K.D. Messer. 2009. "Optimizing Project Selection for the U.S. Army Compatible Use Buffer Program." Published by LMI Government Consulting. Prepared for the *US Army Environmental Center*, Aberdeen Proving Ground, Maryland.

Kanter C., K.D. Messer and H.M. Kaiser. 2008. "Label Claims Do Affect Milk's Image" *Hoard's Dairyman*. August 10.

Messer, K.D., H.M. Kaiser, and C. Payne and B. Wansink. 2006 "Advertising Could Calm Food Safety Fears." *Food Navigator – USA*. August 14.

Allen, W.L., O. Amundsen, K.D. Messer, B.T. Phillips, and T. Weber. 2006. *Kent County Rapid Assessment of Green Infrastructure*. Arlington, Virginia: The Conservation Fund.

Messer, K.D. and J. Wolf. 2004 "Optimizing the Conservation Portfolio" *Land Trust Alliance Exchange*. 23(3): 11-14.

Messer, K.D., M.J. Kotchen and M.R. Moore, 2000. "Can Shade-Grown Coffee Help Tropical Biodiversity? A Market Perspective" *Endangered Species Update*, 17(6): 125-131.

Messer, K.D., 2000. "The Poacher's Dilemma: Economics of Poaching and Enforcement" *Endangered Species Update*, 17(3): 50-58.

MEDIA COVERAGE

The Nature Conservancy, "Volunteers State Milford Neck 60-acre Reforestation." May 4, 2011.

The News Journal. "Trash Study Could Result in Treasure for Newark." January 17, 2011.

UDaily. "CANR Graduate Student Works with City on Trash Collection Optimization." January 3, 2011.

University of Delaware Messenger Alumni Magazine. 2010 "Conservationists Model Smart Shopping" 18(2): 31.

UDaily. "Conservationists Model Smart Shopping, Save Big." February 3, 2010.

Sunshine News. "RBST-Free Labels May Decrease Milk Demand." December 4, 2009.

American and Applied Economics Association Press Release. "New Labels Might Decrease Overall Demand for Milk." September 23, 2009.

Capital Press. "Study: Labels May Cut Milk Demand." by Mateusz Perkowski, September 12, 2009.

The Conservation Fund. "Baltimore County – MD, Agricultural Preservation and Water Quality." November 19, 2008

New York Times. "Advertising Commodities Can Be Tricky, but It Does Pay Off." by Hal Varian, June 1, 2006.

TEACHING

APEC100	Sustainable Development, University of Delaware, 2009-present
APEC667	Experimental Economics, 2014-present
APEC807	Mathematical Programming with Economic Applications, 2007-present

TEACHING PUBLICATIONS

Messer, K.D., S. Wu, and J. Fooks. 2013. “Using Nudges and Choice Architecture to Prevent Free Riding and Voluntary Provide Public Goods.” *Problem Based Learning Clearinghouse*.

Messer, K.D. 2011. “Maximizing Conservation in Pangaea.” *Problem Based Learning Clearinghouse*.

Messer, K.D. 2010. “United Nations Conference on Climate Change.” *Problem Based Learning Clearinghouse*.

Duke, J. and K.D. Messer. 2009. “Problem: Fuel Efficiency and Choice.” *Problem Based Learning Clearinghouse*.

TEACHING AND ADVISING AWARDS

- *Recognition of Outstanding Service - editor*, Northeastern Agricultural and Resource Economics Association, 2014.
- *Outstanding Teacher Nomination*, University of Delaware, 2011, 2008.
- *Benton Award*, College of Agriculture and Natural Resources, University of Delaware – (advisee) Fooks, 2011
- *Outstanding Master’s Student*, Agricultural and Resource Economics, University of Delaware – Fooks (advisee) 2011, Dillaway (advisee) 2009.
- *Outstanding Master’s Thesis*, Robin Dillaway (K.D. Messer advisor). “Are Consumers Responses to Food Scars Long Lasting?” Northeastern Agricultural and Resource Economics Association, 2010.
- *Fellow*, Institute for Transforming Undergraduate Education, University of Delaware – 2009.

SELECTED PRESENTATIONS – OVER 70 INCLUDING:

- *American Farmland Trust’s National Conference*
- *Agricultural and Applied Economics Association*
- *Association for Environmental and Resource Economists Workshop*
- *Canadian Agricultural Economics Society*
- *Conference of Society for Environmental Economics and Policy Studies*
- *Economic Science Association*
- *Expanding the Scope of Benefit-Cost Analysis: Practical Applications and Analytical Frontiers*
- *European Association of Environmental & Resource Economics*
- *Heartland Environmental and Resource Economics Workshop*

- *Kyoto Game Theory Workshop*
- *International Conference on Computational Sustainability*
- *International Meeting of the Economic Science Association,*
- *International Water Resource Economics Consortium Conference*
- *Iowa Academy of Sciences*
- *Japanese Economic Association Meeting*
- *Land Trust Alliance Rally*
- *Midwest Economics Association*
- *NEC-63 Research Conference on Commodity Advertising and Promotion*
- *Northeastern Agricultural and Resource Economics Association*
- *Northeast Decision Sciences Institute*
- *Northeast Ohio Economics Workshop*
- *One Health Symposium*
- *W-133 Benefits and Costs Transfer in Natural Resource Planning*
- *World Congress of Environmental and Resource Economics*

INVITED PRESENTATIONS – OVER 90 INCLUDING:

- *Baltimore County, Maryland*
- *Binghamton University*
- *Brandywine Conservancy*
- *Center for Watershed Protection*
- *Colorado School of Mines*
- *Cornell University*
 - *Food Executive Program*
 - *Dyson School of Applied Economics & Management*
 - *Conference on the Private Provision of Public Goods*
- *Delaware Department of Natural Resource and Environmental Control*
- *Delaware National Estuarine Research Reserve*
- *EMAGG Workshop at the Economic Research Service*
- *EPSCoR Undergraduate Research Symposium*
- *Financing Forest Conservation - Board of Advisors*
- *Florida State University*
- *Great Outdoors Colorado*
- *Hill Country Conservancy*
- *International Crops Research Institute for the Semi-Arid Tropics*
- *International Workshop on Stigma and Discrimination*
- *Land Trust Alliance Rally*
- *LEADelaware*
- *Lehigh University*
- *Madras Christian College*
- *Maryland Agricultural Lands Preservation Foundation*
- *Northeastern Agricultural and Resource Economics Association*

- *Early Career Development Workshop*
 - *Workshop on Experimental Economics*
 - *Young Scholar's Event*
- *New York Independent System Operators*
- *New York State Cooperative Extension*
- *New York State Department of Environmental Protection*
- *New York State Milk Promotion Order Advisory Board*
- *National Conservation Training Center*
- *National Highway Institute*
- *National Institute for Food and Agriculture*
- *National Science Foundation WSC PI Meeting*
- *Northeast Center for Risk Management Education*
- *Oklahoma State University*
- *Osber Institute*
- *Pickle Packers International*
- *San Francisco State University*
- *Santa Clara University*
- *State of Maryland Highway Administration*
- *Stratus Consulting*
- *Texas A&M University*
- *The Conservation Fund*
- *The Nature Conservancy of New York*
- *The Open Space Institute*
- *UD Day in DC*
- *University of New Mexico*
- *University of Tennessee*
- *US Army*
- *US Department of Defense's Readiness and Environmental Protection Initiative*
- *US Environmental Protection Agency*
- *USDA Economics Research Service*
- *USDA Forest Service*
- *University of Delaware*
 - *College of Agriculture and Natural Resource's Ag Day*
 - *College of Earth, Ocean, and the Environment*
 - *Delaware Environmental Institute – External Advisory Board*
 - *Delaware Environmental Institute – Research Symposium*
 - *Delaware EPSCoR Annual Meeting*
 - *Economics Seminar Series*
 - *Science Café*
- *University of Florida*
- *University of Minho*
- *University of Washington*
- *Virginia Commonwealth University*

- *Williams College*

AWARDS AND HONORS

- *Outstanding Journal Article Award for 2010 (Honorable Mention)*. Agriculture and Resource Economic Review, 2010.
- *Outstanding Journal Article Award for 2008*. Canadian Agricultural Economics Society – 2009.
- *Who's Who in Agriculture Higher Education* – 2009-present
- *Who's Who in America* – 2008-present
- *Stephen B. Ashley Fellowship*, Cornell University – 1999-2003.
- *Stanley A. Cain Award* for excellence in resource policy, University of Michigan – 1999.
- *Outstanding Young Men of America* – 1995.
- *Phi Beta Kappa*, Grinnell College – 1994.
- *Phi Beta Kappa Scholar's Award* - honorable mention, Grinnell College – 1993 & 1994.
- *Mortar Board*, Grinnell College – 1993-1994.
- *Alumni Senior Award* for excellence in community service, Grinnell College – 1994.
- *Ralph Luebben Award* for scholarly excellence, Grinnell College – 1994.
- *Honors* in anthropology, Grinnell College – 1994.

PROFESSIONAL ASSOCIATIONS

- Council of Fellows, Experimental Economics Laboratory for Policy and Behavioral Research, University of Delaware – 2007-present
- Northeastern Agricultural and Resource Economics Association
 - Elected to Board of Directors, 2008-2011.
 - Young Scholars Planning Committee, 2009-present.
 - Co-chair of 2009 NAREA Workshop, entitled “Methods Workshop on Applying Experimental Economics to Environmental, Resource, and Agricultural Issues”
- Delaware Environmental Institute (DENIN)
 - Affiliate (2010-present)
- Association of Environmental and Resource Economists
- Agricultural and Applied Economics Association
- American Economics Association
- Economic Science Association

PEER REVIEWS

- Agricultural and Resource Economics Review
- American Economic Review
- American Agricultural Economics Association
- American Journal for Agricultural Economics
- Annals of Operations Research
- Australian Journal of Environmental Management
- Conservation Biology
- Ecological Economics

- Environment and Development Economics
- Journal of Environmental Economics and Management
- Journal of Environmental Management
- Journal of Forestry
- Journal of Public Economics
- Journal of Risk Research
- Natural Resource Modeling
- Southern Economic Review
- Wiley & Sons Publishing

LANGUAGES

- Fluent in Spanish

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