

Michael L. DeKay

Curriculum Vitae
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Education

- 1994 Ph.D. University of Colorado, Boulder, CO,
Social Psychology.
Dissertation: *How sure is sure enough? Outcome evaluations and action thresholds in binary decisions.*
Advisor: Gary H. McClelland.
- 1992 M.A. University of Colorado, Boulder, CO,
Social Psychology.
- 1988 University of Oregon, Eugene, OR,
Coursework in psychology.
- 1987 M.S. Cornell University, Ithaca, NY,
Organic Chemistry.
- 1985 B.S. California Institute of Technology, Pasadena, CA,
Chemistry, with honors.

Academic Appointments

- 2007–present Associate Professor, Quantitative Psychology and (since 2013) Decision Psychology, Department of Psychology, The Ohio State University, Columbus, OH.
Research
Judgment and decision making, including risk perception, precautionary reasoning, information distortion in risky decisions, the perceived fungibility of outcomes in multiple-play decisions, and perceptions of energy use and savings.
Teaching
Judgment and decision making, data analysis.
- 2014–2015 Visiting Researcher, Center for Adaptive Rationality, Max Planck Institute for Human Development, Berlin, Germany.
- 2006–2007 Associate Research Professor, Department of Engineering and Public Policy (EPP), Carnegie Mellon University, Pittsburgh, PA.

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- Courtesy appointment, Department of Social and Decision Sciences (SDS), Carnegie Mellon University, Pittsburgh, PA.
- 1996–2006 Associate Professor (2003–2006) and Assistant Professor (1996–2003), Department of Engineering and Public Policy and H. John Heinz III School of Public Policy and Management (Heinz), Carnegie Mellon University, Pittsburgh, PA.
- 1994–1996 Health Services Research Specialist, Veterans Affairs Medical Center, Philadelphia, PA
Postdoctoral Fellow, Operations and Information Management Department, The Wharton School, University of Pennsylvania, Philadelphia, PA
Senior Fellow, Leonard Davis Institute for Health Economics, University of Pennsylvania, Philadelphia, PA.

Publications

*Student or recent student as first author.

Peer-Reviewed Journal Articles

- DeKay, M. L.**, Schley, D. R., Miller, S. A., Erford, B. M., Sun, J., Karim, M. N., & Lanyon, M. B. (2016). The persistence of common-ratio effects in multiple-play decisions. *Judgment and Decision Making, 11*, 361–379.
- DeKay, M. L.** (2015). Predecisional information distortion and the self-fulfilling prophecy of early preferences in choice. *Current Directions in Psychological Science, 24*, 405–411. doi:10.1177/0963721415587876
- *Schley, D. R., & **DeKay, M. L.** (2015). Cognitive accessibility in judgments of household energy consumption. *Journal of Environmental Psychology, 43*, 30–41. doi:10.1016/j.jenvp.2015.05.004
- Small, M. J., Güvenç, Ü., & **DeKay, M. L.** (2014). When can scientific studies promote consensus among conflicting stakeholders? *Risk Analysis, 34*, 1978–1994.
- DeKay, M. L.**, Miller, S. A., Schley, D. R., & Erford, B. M. (2014). Proleader and antitrailer information distortion and their effects on choice and postchoice memory. *Organizational Behavior and Human Decision Processes, 125*, 134–150.
- *Miller, S. A., **DeKay, M. L.**, Stone, E. R., & Sorenson, C. M. (2013). Assessing the sensitivity of information distortion to four potential influences in studies of risky choice. *Judgment and Decision Making, 8*, 662–677.
- DeKay, M. L.**, Stone, E. R., & Sorenson, C. M. (2012). Sizing up information distortion: Quantifying its effect on the subjective values of choice options. *Psychonomic Bulletin & Review, 19*, 349–356.
- DeKay, M. L.**, Stone, E. R., & Miller, S. A. (2011). Leader-driven distortion of probability and payoff information affects choices between risky prospects. *Journal of Behavioral Decision Making, 24*, 394–411.
- *Xu, J., Florig, H. K., & **DeKay, M. L.** (2011). Evaluating an analytic-deliberative risk-ranking process in a Chinese context. *Journal of Risk Research, 14*, 899–918.

- DeKay, M. L.** (2011). Are medical outcomes fungible? A survey of voters, medical administrators, and physicians. *Medical Decision Making, 31*, 338–353.
- *Attari, S. Z., **DeKay, M. L.**, Davidson, C. I., & Bruine de Bruin, W. (2011). Reply to Frederick et al.: Anchoring effects on energy perceptions [Invited letter]. *Proceedings of the National Academy of Sciences of the United States of America, 108*, E24. Available at <http://www.pnas.org/content/108/8/E24.full.pdf+html>
- *Attari, S. Z., **DeKay, M. L.**, Davidson, C. I., & Bruine de Bruin, W. (2011). Changing household behaviors to curb climate change: How hard can it be? *Sustainability: The Journal of Record, 4*, 9–11.
- *Attari, S. Z., **DeKay, M. L.**, Davidson, C. I., & Bruine de Bruin, W. (2010). Public perceptions of energy consumption and savings. *Proceedings of the National Academy of Sciences of the United States of America, 107*, 16054–16059.
- DeKay, M. L.**, Patiño-Echeverri, D., & Fischbeck, P. S. (2009). Better safe than sorry: Precautionary reasoning and implied dominance in risky decisions. *Journal of Behavioral Decision Making, 22*, 338–361.
- DeKay, M. L.** (2009). Physicians' anticipated regret and diagnostic testing: Comment on Hozo and Djulbegovic, 2008. *Medical Decision Making, 29*, 317–319.
- DeKay, M. L.**, Patiño-Echeverri, D., & Fischbeck, P. S. (2009). Distortion of probability and outcome information in risky decisions. *Organizational Behavior and Human Decision Processes, 109*, 79–92.
- *Attari, S. Z., Schoen, M., Davidson, C. I., **DeKay, M. L.**, Bruine de Bruin, W., Dawes, R., & Small, M. J. (2009). Preferences for change: Do individuals prefer voluntary actions, soft regulations, or hard regulations to decrease fossil fuel consumption? *Ecological Economics, 68*, 1701–1710.
- *Willis, H. H., & **DeKay, M. L.** (2007). The roles of group membership, beliefs, and norms in ecological risk perception. *Risk Analysis, 27*, 1365–1380.
- Bronfman, N. C., Cifuentes, L. A., **DeKay, M. L.**, & Willis, H. H. (2007). Accounting for variation in the explanatory power of the psychometric paradigm: The effects of aggregation and focus. *Journal of Risk Research, 10*, 527–554.
- DeKay, M. L.**, Hershey, J. C., Spranca, M. D., Ubel, P. A., & Asch, D. A. (2006). Are medical treatments for individuals and groups like single-play and multiple-play gambles? *Judgment and Decision Making, 1*, 134–145.
- DeKay, M. L.**, & Kim, T. G. (2005). When things don't add up: The role of perceived fungibility in repeated-play decisions. *Psychological Science, 16*, 667–672.
- *Willis, H. H., **DeKay, M. L.**, Fischhoff, B., & Morgan, M. G. (2005). Aggregate, disaggregate, and hybrid analyses of ecological risk perceptions. *Risk Analysis, 25*, 405–428.
- *Willis, H. H., **DeKay, M. L.**, Morgan, M. G., Florig, H. K., & Fischbeck, P. S. (2004). Ecological risk ranking: Development and evaluation of a method for improving public participation in environmental decision making. *Risk Analysis, 24*, 363–378.

- DeKay, M. L.**, Small, M. J., Fischbeck, P. S., Farrow, R. S., Cullen, A., Kadane, J. B., Lave, L. B., Morgan, M. G., & Takemura, K. (2002). Risk-based decision analysis in support of precautionary policies. *Journal of Risk Research*, *5*, 391–417. Reprinted in R. E. Löfstedt & Å. Boholm (Eds.). (2009). *The Earthscan reader on risk* (pp. 221–247). London: Earthscan.
- DeKay, M. L.**, Greeno, C. G., & Houck, P. R. (2002). Searching for a two-factor model of marriage duration: Commentary on Gottman and Levenson. *Family Process*, *41*, 97–103.
- ***Morgan, K. M.**, **DeKay, M. L.**, Fischbeck, P. S., Fischhoff, B., Morgan, M. G., & Florig, H. K. (2001). A deliberative method for ranking risks (II): Evaluation of validity and agreement among risk managers. *Risk Analysis*, *21*, 923–937.
- Florig, H. K., Morgan, M. G., Morgan, K. M., Jenni, K. E., Fischhoff, B., Fischbeck, P. S., & **DeKay, M. L.** (2001). A deliberative method for ranking risks (I): Overview and test bed development. *Risk Analysis*, *21*, 913–921.
- Morgan, M. G., Florig, H. K., **DeKay, M. L.**, & Fischbeck, P. S. (2000). Categorizing risks for risk ranking. *Risk Analysis*, *20*, 49–58.
- DeKay, M. L.**, Nickerson, C. A. E., Ubel, P. A., Hershey, J. C., Spranca, M. D., & Asch, D. A. (2000). Further explorations of medical decisions for individuals and groups. *Medical Decision Making*, *20*, 39–44.
- Asch, D. A., Hershey, J. C., **DeKay, M. L.**, Pauly, M. V., Patton, J. P., Jedrzejewski, M. K., Frei, F., Giardine, R., Kant, J. A., & Mennuti, M. T. (1998). Carrier screening for cystic fibrosis: Costs and clinical outcomes. *Medical Decision Making*, *18*, 202–212.
- Ubel, P. A., Spranca, M. D., **DeKay, M. L.**, Hershey, J. C., & Asch, D. A. (1998). Public preferences for prevention versus cure: What if an ounce of prevention is worth only an ounce of cure? *Medical Decision Making*, *18*, 141–148.
- DeKay, M. L.**, & Asch, D. A. (1998). Offensive testing—the balancing act, the evil twin, and the pure play. *Medical Decision Making*, *18*, 35–36.
- DeKay, M. L.**, & Asch, D. A. (1998). Is the defensive use of diagnostic tests good for patients, or bad? *Medical Decision Making*, *18*, 19–28.
- Asch, D. A., & **DeKay, M. L.** (1997). Euthanasia among US critical care nurses: Practices, attitudes, and social and professional correlates. *Medical Care*, *35*, 890–900.
- Ubel, P. A., **DeKay, M. L.**, Baron, J., & Asch, D. A. (1996). Public preferences for efficiency and racial equity in kidney transplant allocation decisions. *Transplantation Proceedings*, *28*, 2997–3002.
- DeKay, M. L.** (1996). The difference between Blackstone-like error ratios and probabilistic standards of proof. *Law & Social Inquiry*, *21*, 95–132. Summarized in Mazur, D. J. (1998). Recent developments: Judgmental psychology, law, and ethics. *Medical Decision Making*, *18*, 246.
- Ubel, P. A., **DeKay, M. L.**, Baron, J., & Asch, D. A. (1996). Cost-effectiveness analysis in a setting of budget constraints: Is it equitable? *New England Journal of Medicine*, *334*, 1174–1177. Outstanding Paper by a Young Investigator (award to Peter A. Ubel), Society for Medical Decision Making.

- DeKay, M. L., & McClelland, G. H.** (1996). Probability and utility components of endangered species preservation programs. *Journal of Experimental Psychology: Applied*, *2*, 60–83.
- Park, B., **DeKay, M. L.**, & Kraus, S. (1994). Aggregating social behavior into person models: Perceiver-induced consistency. *Journal of Personality and Social Psychology*, *66*, 437–459.
- DeKay, M. L., & McClelland, G. H.** (1993). Predicting loss of life in cases of dam failure and flash flood. *Risk Analysis*, *13*, 193–205.
- DeKay, M. L., & Freyd, J. J.** (1991). The effects of drawing method on the discriminability of characters. *Visible Language*, *25*, 377–414.
- Freyd, J. J., Kelly, M. H., & **DeKay, M. L.** (1990). Representational momentum in memory for pitch. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *16*, 1107–1117.

Peer-Reviewed Book Chapters, Proceedings, and Reports

- DeKay, M. L.**, Small, M. J., Fischbeck, P. S., Farrow, R. S., Cullen, A., Kadane, J. B., Lave, L. B., Morgan, M. G., & Takemura, K. (2009). Risk-based decision analysis in support of precautionary policies. In R. E. Löfstedt & Å. Boholm (Eds.), *The Earthscan reader on risk* (pp. 221–247). London: Earthscan. Reprinted from DeKay et al. (2002). *Journal of Risk Research*, *5*, 391–417.
- National Research Council. (2008). *Public participation in environmental assessment and decision making*. Panel on Public Participation in Environmental Assessment and Decision Making, T. Dietz & P. C. Stern (Eds.). Washington, DC: National Academies Press.
- *Schoen, M. E., Small, M., **DeKay, M. L.**, Casman, E., & Kroll, C. (2007). Effect of climate change on design-period low flows in the Mid-Atlantic US. In K. C. Kabbes (Ed.), *Proceedings of the world environmental and water resources congress 2007: Restoring our natural habitat* [CD-ROM]. Reston, VA: American Society of Civil Engineers.
- DeKay, M. L.**, Fischbeck, P. S., Florig, H. K., Morgan, M. G., Morgan, K. M., Fischhoff, B., & Jenni, K. E. (2005). Judgment-based risk ranking for food safety. In S. A. Hoffmann & M. R. Taylor (Eds.), *Toward safer food: Perspectives on risk and priority setting* (pp. 198–226). Washington, DC: Resources for the Future.
- DeKay, M. L.**, Florig, H. K., Fischbeck, P. S., Morgan, M. G., Morgan, K. M., Fischhoff, B., & Jenni, K. E. (2001). The use of public risk ranking in regulatory development. In P. S. Fischbeck & R. S. Farrow (Eds.), *Improving regulation: Cases in environment, health, and safety* (pp. 208–230). Washington, DC: Resources for the Future.

Other Publications and Reports

- DeKay, M. L.** (2010, September 23). [Public perceptions of energy consumption and savings]. *onCampus*, p. 3. Available at <http://oncampus.osu.edu/2010/09/michael-dekay-associate-professor-psychology/>

- *Attari, S. Z., Davidson, C. I., **DeKay, M. L.**, Bruine de Bruin, W., & Dawes, R. (2009). *Decreasing demand: Attempting to facilitate energy conservation by changing individual behavior*. Pittsburgh, PA: Carnegie Mellon University, Center for Risk Perception and Communication. Available at <http://sds.hss.cmu.edu/risk/articles/DecreasingDemand.pdf>
- DeKay, M. L.** (2003). Interdisciplinarity is norm at Carnegie Mellon [Invited essay]. *Observer*, 16(4), 17, 45. (*Observer* is a monthly publication of the Association for Psychological Science, formerly the American Psychological Society.)
- DeKay, M. L.** (2002). Thoughts on extreme events [Invited essay]. In T. R. Stewart & A. Bostrom, *Extreme event decision making* [Workshop report] (pp. 38–40). Albany, NY: University at Albany, Center for Policy Research.
- *Morgan, K. M., **DeKay, M. L.**, & Fischbeck, P. S. (1999). A multi-attribute approach to risk prioritization. *Risk Policy Report*, 6(6), 38–40. See the authorship correction in *Risk Policy Report*, 6(7), 2.
- DeKay, M. L.** (1995). How sure is sure enough? Outcome evaluations and action thresholds in binary decisions (Doctoral dissertation, University of Colorado, Boulder, 1994). *Dissertation Abstracts International-B*, 56(2), 1148. (University Microfilms No. AAC 9518612).
- DeKay, M. L.**, & McClelland, G. H. (1991). *Setting decision thresholds for dam failure warnings: A practical theory-based approach* (Tech. Rep. No. 328). Boulder: University of Colorado, Center for Research on Judgment and Policy.

Manuscripts Submitted or in Preparation

- *Erford, B. M., & **DeKay, M. L.** [*Predecisional distortion of leading and trailing alternatives in multi-alternative decisions*].

Conference and University Presentations

- *Student or recent student as first author.
- DeKay, M. L.**, Schley, D. R., Miller, S. A., Erford, B. M., Sun, J., Karim, M. N., & Lanyon, M. B. (2016, November). *The persistence of common-ratio effects in multiple-play decisions*. Poster presentation at the annual meeting of the Society for Judgment and Decision Making, Boston, MA.
- *Sinayev, A., Peters, E., & **DeKay, M. L.** (2016, November). Testing a mathematical dual-system model of risky choice. Oral presentation at the annual meeting of the Society for Judgment and Decision Making, Boston, MA.
- *Erford, B. M., & **DeKay, M. L.** (2015, November). *The effects of decision task and option quality on the predecisional distortion of leading and trailing options*. Poster presentation at the annual meeting of the Society for Judgment and Decision Making, Chicago, IL.

- *Kvam, P. D., **DeKay, M. L.**, & Pleskac, T. J. (2015, November). *A model of predecisional information distortion*. Poster presentation at the annual meeting of the Society for Judgment and Decision Making, Chicago, IL.
- *Erford, B. M., & **DeKay, M. L.** (2014, November). *Patterns and changes in proleader and antitrailer information distortion*. Poster presentation at the annual meeting of the Society for Judgment and Decision Making, Long Beach, CA.
- DeKay, M. L.** (2014, September). *The role of perceived fungibility in repeated-play decisions from description and (perhaps) in decisions from experience*. Oral presentation at the Center for Adaptive Rationality, Max Planck Institute for Human Development, Berlin, Germany.
- *Erford, B. M., & **DeKay, M. L.** (2013, November). *The upside of information distortion: It's quicker, easier, and more satisfying*. Poster presentation at the annual meeting of the Society for Judgment and Decision Making, Toronto, ON, Canada.
- *Schley, D. R., & **DeKay, M. L.** (2013, November). *Misperceptions of household energy consumption*. Poster presentation at the annual meeting of the Society for Judgment and Decision Making, Toronto, ON, Canada.
- *DeSalvatore, S., **DeKay, M. L.**, & Schley, D. R. (2012, November). *Evidence against the hot hand belief in basketball*. Poster presentation at the annual meeting of the Society for Judgment and Decision Making, Minneapolis, MN.
- DeKay, M. L.**, & Schley, D. R. (2012, June). *The roles of availability and numeracy in perceptions of household energy consumption*. Poster presentation at the biennial Behavioral Decision Research in Management conference, Boulder, CO.
- *Miller, S. A., & **DeKay, M. L.** (2011, November). *Predicting the purchase and use of information in a gambling task*. Poster presentation at the annual meeting of the Society for Judgment and Decision Making, Seattle, WA.
- *Schley, D. R., & **DeKay, M. L.** (2011, November). *Availability and numeracy affect perceptions of household energy consumption*. Poster presentation at the annual meeting of the Society for Judgment and Decision Making, Seattle, WA.
- *Sun, J., & **DeKay, M. L.** (2011, November). *Unit neglect: Insufficient sensitivity in estimates of physical quantities*. Poster presentation at the annual meeting of the Society for Judgment and Decision Making, Seattle, WA.
- *Miller, S. A., & **DeKay, M. L.** (2010, November). *The effects of anticipated regret on the appeal of diagnostic testing in medicine*. Poster presentation at the annual meeting of the Society for Judgment and Decision Making, St. Louis, MO.
- DeKay, M. L.**, Stone, E. R., & Sorenson, C. M. (2010, June). *Estimating the cost of information distortion with certainty equivalents and choice proportions*. Poster presentation at the biennial Behavioral Decision Research in Management conference, Pittsburgh, PA.
- *Miller, S. A., & **DeKay, M. L.** (2010, June). *Predecisional distortion in multiple domains of risky choice*. Poster presentation at the biennial Behavioral Decision Research in Management conference, Pittsburgh, PA.

- *Attari, S. Z., **DeKay, M. L.**, Davidson, C. I., & Bruine de Bruin, W. (2009, November). *Public perceptions of energy consumption and savings*. Poster presentation at the annual meeting of the Society for Judgment and Decision Making, Boston, MA. Also oral and poster presentations at two other conferences in the U.S. and Germany.
- *Miller, S. A., & **DeKay, M. L.** (2009, November). *Predecisional distortion in multiple domains of risky choice*. Poster presentation at the annual meeting of the Society for Judgment and Decision Making, Boston, MA.
- *Attari, S. Z., Schoen, M., Davidson, C. I., **DeKay, M. L.**, Bruine de Bruin, W., Dawes, R., & Small, M. J. (2009, June). *Preferences for change: Do individuals prefer voluntary action, soft regulations, or hard regulations to decrease fossil fuel consumption?* Oral presentation at the bi-annual meeting of the United States Society for Ecological Economics, Washington, DC. Also oral and poster presentations at three other universities and conferences in the U.S. and Japan.
- Dietz, T., Stern, P. C., Bingham, G., Chess, C., **DeKay, M. L.**, Fox, J. M., Lewis, S. C., Markus, G. B., North, D. W., & Renn, O. (2008, December). *Public participation in environmental assessment and decision making: A National Research Council report*. Oral presentation at the annual meeting of the Society for Risk Analysis, Boston, MA.
- DeKay, M. L.**, Stone, E. R., & Sorenson, C. M. (2008, November). *The cost of payoff and probability distortions in risky monetary gambles*. Oral presentation at the annual meeting of the Society for Judgment and Decision Making, Chicago, IL.
- DeKay, M. L.**, & Stone, E. R. (2007, November). *Distortion of payoffs and probabilities in mixed monetary gambles*. Poster presentation at the annual meeting of the Society for Judgment and Decision Making, Long Beach, CA.
- *Attari, S., Schoen, M., Davidson, C., Loewenstein, G., **DeKay, M. L.**, Bruine de Bruin, W., Dawes, R., & Small, M. (2007, November). *Preferences for change: Which do individuals prefer? Voluntary actions, soft regulations, or hard regulations*. Poster presentation at the American Council for an Energy-Efficient Economy's Behavior, Energy, and Climate Change Conference, Sacramento, CA. Also a poster presentation at the National Academy of Sciences, Washington, DC.
- *Schoen, M., Small, M., **DeKay, M. L.**, Casman, E., & Kroll, C. (2007, July). *Effect of climate change on design-period low flows in the Mid-Atlantic US*. Poster presentation at the bi-annual meeting of the Association of Environmental Engineering and Science Professors, Blacksburg, VA.
- DeKay, M. L.** (2007, February). *True warnings and false alarms*. Invited oral presentation at the Department of Psychology, Kansas State University, Manhattan, KS.
- DeKay, M. L.** (2007, January–February). *Distortion of outcome and probability information in risky decisions*. Invited oral presentations at the Department of Psychology, The Ohio State University, Columbus, OH; the Department of Psychology, Ohio University, Athens, OH; and the Department of Psychology, Kansas State University, Manhattan, KS.

- DeKay, M. L., & Holbrook, M. B.** (2005, November). *The remarkable persistence of certainty and possibility effects in repeated-play monetary and nonmonetary decisions*. Oral presentation at the annual meeting of the Society for Judgment and Decision Making, Toronto, ON, Canada.
- *Schoen, M., Small, M., **DeKay, M. L.**, Casman, E., & Kroll, C. (2005, July). *Potential effect of climate change on design-period low flows in the Mid-Atlantic US*. Oral presentation at the American Society of Civil Engineers Watershed Management Conference, Williamsburg, VA.
- DeKay, M. L., & Kim, T. G.** (2004, November). *When things don't add up: The role of perceived fungibility in repeated-play decisions*. Oral presentation at the annual meeting of the Society for Judgment and Decision Making, Minneapolis, MN.
- *Murshid, N., **DeKay, M. L.**, & Davis, O. A. (2004, April). *The basic components of economic freedom*. Oral paper presentation at the 29th annual Conference of the Association of Private Enterprise Education. Nassau, Bahamas.
- DeKay, M. L., Fischbeck, P. S., Patiño-Echeverri, D., & Hartman, J. A.** (2003, November). *Information distortion and utility reversals in precautionary reasoning*. Poster presentation at the annual meeting of the Society for Judgment and Decision Making, Vancouver, BC, Canada.
- DeKay, M. L., Kim, T. G., & Tuma, N. C.** (2003, November). *Perceived fungibility and repeated-play decisions*. Poster presentation at the annual meeting of the Society for Judgment and Decision Making, Vancouver, BC, Canada.
- *Willis, H. H., & **DeKay, M. L.** (2002, December). *The roles of group membership and worldview in ecological risk perception*. Oral presentation at the annual meeting of the Society for Risk Analysis, New Orleans, LA.
- DeKay, M. L., Fischbeck, P. S., & Patiño-Echeverri, D.** (2003, September). *Reversals in assessments of outcome utilities: The result of precautionary reasoning?* Oral presentation at the Department of Philosophy, Carnegie Mellon University, Pittsburgh, PA.
- DeKay, M. L., Morgan, G. M., Fischbeck, P. S., Fischhoff, B., Florig, H.K., Morgan, K. M., Willis, H. H., & Palmgren, C. R.** [presented by M. S. Small]. (2002, October). *Conducting risk-ranking exercises as if the results really mattered*. Oral presentation at the NATO Workshop on Comparative Risk Assessment and Environmental Decision Making, Rome, Italy.
- DeKay, M. L.** (2002, October). *Conducting risk-ranking exercises as if the results really mattered*. Invited oral presentation at the Department of Psychology, The Ohio State University, Columbus, OH.
- *Willis, H. H., **DeKay, M. L.**, Fischbeck, P. S., Fischhoff, B., Florig, H. K., Morgan, G. M., & Palmgren, C. R. (2001, December). *Ecological risk ranking: Evaluation of a method to improve the quality of public participation in environmental decision making*. Oral presentation at the annual meeting of the Society for Risk Analysis, Seattle, WA.
- *Willis, H. H., & **DeKay, M. L.** (2001, November). *The roles of group membership and worldview in ecological risk perception*. Poster presentation at the annual meeting of the Society for Judgment and Decision Making, Orlando, FL.

- DeKay, M. L.**, Morgan, M. G., Fischbeck, P. S., Fischhoff, B., Florig, H.K., Morgan, K. M., Willis, H. H., & Palmgren, C. R. (2001, November). *Conducting risk-ranking exercises as if the results really mattered*. Oral presentation at the 17th annual meeting of the Brunswick Society, Orlando, FL.
- *Willis, H. H., **DeKay, M. L.**, & Fischbeck, P. S. (2001, November). *Risk perception, risk communication, and public participation in environmental decision making*. Half-day short course presented at the 22nd annual meeting of the Society of Environmental Toxicology and Chemistry, Baltimore, MD.
- *Willis, H. H., **DeKay, M. L.**, Fischbeck, P. S., Fischhoff, B., Florig, H. K., Morgan, G. M., & Palmgren, C. R. (2001, November). *Ecological risk ranking: Evaluation of a method to improve the quality of public participation in environmental decision making*. Oral presentation at the annual meeting of the Institute for Operations Research and the Management Sciences, Miami, FL.
- DeKay, M. L.** (2001, June). *Psychological theories of equity*. Oral presentation at the sixth annual meeting of the Center for Integrated Study of the Human Dimensions of Global Change, Pittsburgh, PA.
- DeKay, M. L.**, & Knudsen, B. B. (2000, December). *Reversals in assessments of outcome utilities: The result of precautionary decision making?* Oral presentation at the annual meeting of the Society for Risk Analysis, Arlington, VA.
- Fischbeck, P. S., **DeKay, M. L.**, Fischhoff, B., Morgan, M. G., Florig, H. K., Palmgren, C. R., & Willis, H. H. (2000, December). *Evaluating a risk-ranking methodology*. Oral presentation at the annual meeting of the Society for Risk Analysis, Arlington, VA.
- *Willis, H. H., **DeKay, M. L.**, Fischbeck, P. S., Fischhoff, B., Florig, H. K., Morgan, M. G., & Palmgren, C. R. (2000, December). *Extension of the Carnegie Mellon risk-ranking test bed to include environmental and ecological factors*. Oral presentation at the annual meeting of the Society for Risk Analysis, Arlington, VA.
- DeKay, M. L.**, & Willis, H. H. (2000, November). *Public perceptions of environmental risks*. Oral presentation at the annual meeting of the Society for Judgment and Decision Making, New Orleans, LA.
- *Morgan, K. M., Fischbeck, P. S., & **DeKay, M. L.** (1999, November). *Assessing a multi-attribute model for ranking risks*. Oral paper presentation at the annual meeting of the Institute for Operations Research and the Management Sciences, Philadelphia, PA. First place, Decision Analysis Society Student Paper Competition (award to Kara M. Morgan).
- *Morgan, K. M., **DeKay, M. L.**, Fischbeck, P. S., Morgan, M. G., Florig, H. K., & Fischhoff, B. (1998, November). *Development of a method for risk ranking*. Poster presentation at the annual meeting of the Society for Judgment and Decision Making, Dallas, TX.
- *Morgan, K. M., **DeKay, M. L.**, Fischbeck, P. S., Morgan, M. G., Florig, H. K., & Fischhoff, B. (1998, October). *Development of a method for risk ranking*. Oral presentation at the 20th annual research conference of the Association for Public Policy Analysis and Management, Washington, DC.

- *Morgan, K. M., Fischbeck, P. S., & **DeKay, M. L.** (1998, October). *Using a multi-attribute utility model to rank environmental and health risks*. Oral presentation at the annual meeting of the Institute for Operations Research and the Management Sciences, Seattle, WA.
- Florig, K., Morgan, M. G., Fischhoff, B., & **DeKay, M. L.** (1997, December). *Grouping risks into categories for risk ranking*. Oral presentation at the annual meeting of the Society for Risk Analysis, Washington, DC.
- *Morgan, K., **DeKay, M. L.**, Morgan, M. G., Fischhoff, B., Florig, K., & Jenni, K. (1997, December). *Refining and evaluating a method for risk ranking*. Oral presentation at the annual meeting of the Society for Risk Analysis, Washington, DC.
- Morgan, M. G., Fischhoff, B., Florig, K., Jenni, K., Morgan, K., **DeKay, M. L.**, & Fischbeck, P. (1997, December). *A method for ranking risks*. Oral presentation at the annual meeting of the Society for Risk Analysis, Washington, DC.
- DeKay, M. L.**, McClelland, G. H., Asch, D. A., & Ubel, P. A. (1997, November). *Public values and organ allocation policy*. Oral paper presentation at the 19th annual research conference of the Association for Public Policy and Management, Washington, DC.
- DeKay, M. L.**, Hershey, J. C., Spranca, M. D., Ubel, P. A., & Asch, D. A. (1997, October). *More (or less) on the distinction between individuals and groups*. Plenary oral presentation at the annual meeting of the Society for Medical Decision Making, Houston, TX. Abstract: *Medical Decision Making*, 17, 543.
- DeKay, M. L.**, Morgan, M. G., Fischhoff, B., Florig, K., Jenni, K., Morgan, K., & Fischbeck, P. (1997, October). *Developing and refining a method for ranking risks to health and uncertainty*. Poster presentation at the annual meeting of the Society for Medical Decision Making, Houston, TX. Abstract: *Medical Decision Making*, 17, 518.
- DeKay, M. L.** (1997, June). *The role of public preferences in organ allocation policy*. Invited oral presentation and workshop, University-Community Leaders and Individuals with Disabilities (UCLID) Dialogue on Health-Related Quality of Life, Pittsburgh, PA.
- DeKay, M. L.** (1996, October). *Measures of value and the value of measures: A discussion of social indicators and contingent valuation*. Invited discussant at the 18th annual research conference of the Association for Public Policy and Management, Pittsburgh, PA.
- DeKay, M. L.** (1996, February–May). *Prioritizing candidates for organ transplant: Expected utility and public policy*. Invited oral presentations at the Department of Psychology, University of North Carolina, Charlotte, NC; the Department of Psychology, York University, York, ON, Canada; the Department of Psychology, Ohio University, Athens, OH; the Georgetown University Medical Center, Washington, DC; and the Department of Psychology, Colorado State University, Fort Collins, CO.
- DeKay, M. L.** (1996, January–April). *Applications of expected utility theory in public policy: Prioritizing endangered species preservation programs and prioritizing candidates for organ transplant*. Invited oral presentations at the Graduate School of Business, University of Chicago, Chicago, IL; the Irving B. Harris School of Public Policy Studies, University of Chicago, Chicago, IL; and the Department of Engineering and Public Policy, Carnegie Mellon University, Pittsburgh, PA.

- DeKay, M. L.,** McClelland, G. H., Goolsby, B. A., Asch, D. A., & Ubel, P. A. (1995, November). *Applications of expected utility theory in public policy: Ranking endangered species and ranking candidates for organ transplants*. Oral presentation at the annual meeting of the Society for Judgment and Decision Making, Los Angeles, CA.
- DeKay, M. L.,** & Asch, D. A. (1995, November). *Medical malpractice and decision analysis: The defensive use of diagnostic tests*. Poster presentation at the annual meeting of the Society for Judgment and Decision Making, Los Angeles, CA.
- DeKay, M. L.,** Spranca, M., Ubel, P. A., Hershey, J. C., & Asch, D. A. (1995, November). *Treatment of individuals versus treatment of groups: Further explorations of Redelmeier and Tversky (1990)*. Poster presentation the annual meeting of the Society for Judgment and Decision Making, Los Angeles, CA.
- DeKay, M. L.,** & Asch, D. A. (1995, October). *Medical malpractice and decision analysis: The defensive use of diagnostic tests*. Oral presentation at the annual meeting of the Society for Medical Decision Making, Tempe, AZ. Abstract: *Medical Decision Making*, 15, 423.
- DeKay, M. L.,** Spranca, M., Ubel, P. A., Hershey, J. C., & Asch, D. A. (1995, October). *Treatment of individuals versus treatment of groups: Failure to replicate Redelmeier and Tversky (1990)*. Plenary oral presentation at the annual meeting of the Society for Medical Decision Making, Tempe, AZ. First place, Lee B. Lusted Student Prize Competition. Abstract: *Medical Decision Making*, 15, 423.
- DeKay, M. L.** (1994, March). *Perceiver-induced consistency in impression formation*. Invited oral presentation at the Department of Psychology, New Mexico State University, Las Cruces, NM.
- DeKay, M. L.** (1994, March). *How sure is sure enough? Outcome evaluations and action thresholds*. Invited oral presentations at the Department of Psychology, New Mexico State University, Las Cruces, NM and the Department of Psychology, University of Oregon, Eugene, OR.
- DeKay, M. L.,** & McClelland, G. H. (1993, November). *Errors in estimating outcome utilities: The flip side of outcome bias*. Poster presentation at the annual meeting of the Society for Judgment and Decision Making, Washington, DC.
- DeKay, M. L.** (1993, November). *G as a measure of self-insight: Data from three studies of species preference*. Oral presentation at the ninth annual International Invitational Meeting of the Brunswik Society, Washington, DC. Brunswik Society New Investigator Award.
- DeKay, M. L.,** & McClelland, G. H. (1993, July). *Setting action thresholds for low-probability high-consequence events*. Oral presentation at the 18th annual Hazards Research and Applications Workshop, Boulder, CO.
- DeKay, M. L.** (1992, November). *Signal detection theory and the value of probabilistic forecasts*. Poster presentation at the annual meeting of the Society for Judgment and Decision Making, St. Louis, MO.

- DeKay, M. L., & McClelland, G. H.** (1992, July). *Setting decision thresholds for dam failure warnings*. Oral presentation at the 17th annual Hazards Research and Applications Workshop, Boulder, CO.
- DeKay, M. L., & McClelland, G. H.** (1992, July). *Optimal decision thresholds for dam failure warnings*. Poster presentation at the 17th annual Hazards Research and Applications Workshop, Boulder, CO.
- DeKay, M. L., & McClelland, G. H.** (1992, July). *Estimating loss of life from dam failure and flash flood events*. Poster presentation at the 17th annual Hazards Research and Applications Workshop, Boulder, CO.
- DeKay, M. L., & McClelland, G. H.** (1991, November). *Predicting concern for endangered species*. Poster presentation at the annual meeting of the Society for Judgment and Decision Making, San Francisco, CA.
- McClelland, G. H., **DeKay, M. L., & Beckett, E.** (1990, July). *Decision analysis for early warning systems*. Oral presentation at the 15th annual Hazards Research and Applications Workshop, Boulder, CO.

Grants

External Funding

- Sustainable consumption, globalization, and information: Impacts and opportunities.* (2006–2007, \$100,000). National Science Foundation grant CTS-0628232. PI: H. Scott Matthews. Co-PIs: Cliff I. Davidson and Michael L. DeKay.
- Integrating risk analysis and risk communication.* (2004–2007, \$600,000). National Science Foundation grant SES-0433152. PI: Baruch Fischhoff. Co-PIs: Elizabeth A. Casman, Julie S. Downs, and H. Keith Florig. Co-Investigators: Michael L. DeKay and four others.
- Consortium for Atlantic regional assessment (CARA): Proposed assessment in the mid- and upper-Atlantic region (MUAR).* (2002–2005, \$2,249,930, Carnegie Mellon subcontract \$300,000). Environmental Protection Agency grant R-830533-01-0. PIs: Ann Fisher, Mitchell Small, James Opaluch, and Carl Hershner. Co-PIs: Michael L. DeKay and numerous others.
- Single-play and repeated-play decisions with fungible and non-fungible outcomes.* (2002–2005, \$125,000). National Science Foundation grant SES-0218318. PI: Michael L. DeKay.
- Better safe than sorry: Precautionary reasoning, utility reversals, and the creation of dominance.* (2001–2004, \$190,000). National Science Foundation grant SES-0112005. PI: Michael L. DeKay. Co-PI: Paul S. Fischbeck.
- Continued development of methods for characterizing and ranking health, safety, and environmental risks.* (1999–2002, \$437,495). National Science Foundation grant SES-9975200 (\$201,991) and Environmental Protection Agency grant R8279200-1-0 (\$235,504). PI: M. Granger Morgan. Co-PIs: Michael L. DeKay and Paul S. Fischbeck.

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Internal Funding

Investigating patterns and differences in predecisional information distortion. (2014–2015, \$2,576). The Ohio State University, Behavioral Decision Making Initiative. PIs: Breann M. Erford and Michael L. DeKay.

The ecological validity of heuristics in judgments of energy consumption. (2012–2013, \$1,715). The Ohio State University, Behavioral Decision Making Initiative. PIs: Dan R. Schley and Michael L. DeKay.

Reversals in assessments of outcome utilities in binary decisions: Extending previous research to assess the role of precautionary reasoning. (2000–2001, \$10,000). Carnegie Mellon University, Center for the Study and Improvement of Regulation. PI: Michael L. DeKay.

Assessment of preferences for organ allocation policies. (1997–1999, \$6,789). Carnegie Mellon University Faculty Development Fund. PI: Michael L. DeKay.

Standards of proof in decisions about hazards. (1992–1994, \$3,700). University of Colorado, Natural Hazards Center (as part of National Science Foundation grant BCS–9213479 to the Natural Hazards Center). PI: Michael L. DeKay. Faculty Sponsor: Gary H. McClelland.

Valuing endangered species: An initial look at the value of genetic diversity. (1991–1993, \$10,000). University of Colorado, Global Change and Environmental Quality Program. PI: Michael L. DeKay. Faculty Sponsors: Gary H. McClelland and William D. Schulze.

Courses

Judgment and Decision Making

The Ohio State University

Psychology of Judgment and Decision Making.

Undergraduate level, Psychology, 2007–2016.

Honors undergraduate level, Psychology, 2011.

Ph.D. level, Psychology, 2009, 2011, 2013, 2016.

Current Research in Decision Psychology.

Ph.D. level, Psychology, 2015–2016.

Carnegie Mellon University

Environmental Decision Making.

Undergraduate/Masters level, EPP/Heinz, 1997–1999, 2001, 2005.

Medical Decision Making.

Undergraduate level, EPP, 1998.

Research Methods and Statistics

The Ohio State University

Special Topics in Quantitative Psychology.

Ph.D. level, Psychology, 2012–2013.

Introduction to Data Analysis in Psychology.
Undergraduate level, Psychology, 2010.

Carnegie Mellon University

Applied Data Analysis.

Ph.D. level, EPP/Heinz, 1999, 2002–2006.

Survey Design and Analysis.

Masters/Ph.D. level, Heinz/EPP, 1999–2000, 2002–2006.

Intermediate Empirical Methods for Public Policy and Management.

Masters level, Heinz, 2002, 2004–2005.

Data Analysis for Managers.

Masters level, Heinz, 1998–1999, 2001–2002.

Interdisciplinary Project Courses

Carnegie Mellon University

Wireless Communications for Emergency Response in Allegheny County.

Undergraduate/Masters level, EPP/SDS/Heinz, 2004. Followed by an independent study project, Masters level, Heinz, 2005.

Implementing Tissue Engineering: Financial and Regulatory Guidance.

Undergraduate/Masters level, EPP/SDS/Heinz, 2002. Students received EPP's Stephen Omer Lee Award for the best project course in 2002.

Transition to a Hydrogen-Based Energy System: The Next Ten Years.

Undergraduate/Masters level, EPP/SDS/Heinz, 2000.

Organ Transplantation: Donation, Demand, and Allocation.

Undergraduate/Masters level, EPP/SDS/Heinz, 1997.

Nine Mile Run: A Study of the Reclamation and Sustainable Redevelopment of a Brownfield Site.

Undergraduate/Masters level, EPP/SDS/Heinz, 1997. Students received EPP's Stephen Omer Lee Award for the best project course in 1997.

Advisory Board Member for Interdisciplinary Project Courses

Carnegie Mellon University

Essential Services for Aging Artists, Heinz, 2006.

S.T.O.R.E.: Strategy, Timing, Opportunity...Reaching the Equator, Heinz, 2006.

Small Loans, Big Changes: Analyzing FINCA's Framework for Client Poverty Analysis Using Survey Data, Heinz, 2005.

Choosing Green Power, Heinz, 2004.

City Theatre: A Contemporary New Place for Contemporary New Plays, Heinz, 2004.

Strategic Marketing Research and Decision Making in Festival Settings, Heinz, 2002–2003.

Improving the Usefulness of the Toxic Release Inventory, EPP/SDS/Heinz, 1998.

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Student Advisees

Chair or Co-chair of Ph.D. Dissertation Committee

- Seth A. Miller, Ph.D. (2014). *Assessing the sensitivity, composition, and effects of information distortion*. The Ohio State University, Psychology.
- Rajiv Sharma, Ph.D. (2006, co-chair with M. Granger Morgan). *Understanding and improving the flow of Islamic students into technical education in Andhra Pradesh, India*. Carnegie Mellon University, EPP.
- Henry H. Willis, Ph.D. (2002). *Development and evaluation of a method for incorporating public participation in ecological risk prioritization*. Carnegie Mellon University, EPP.
- Kara M. Morgan, Ph.D. (1999, co-chair with Paul S. Fischbeck). *Development and evaluation of a method for risk ranking*. Carnegie Mellon University, EPP.

Member of Ph.D. Dissertation Committee

- Louise R. Meilleur. (dissertation in progress). The Ohio State University, Psychology.
- Aleksandr Sinayev. (dissertation in progress). *Dual-system theories of decision making: Analytic approaches and empirical tests*. The Ohio State University, Psychology.
- Dan R. Schley, Ph.D. (2015). *Symbolic-number mapping in judgments and decisions: A correlational and experimental approach*. The Ohio State University, Psychology.
- Pamela Ing, Ph.D. (2012). *An item response theory investigation of the white male effect*. The Ohio State University, Psychology.
- James E. Kajdasz, Ph.D. (2010). *Face validity and decision aid neglect*. The Ohio State University, Psychology.
- Shahzeen Z. Attari, Ph.D. (2009). *Global climate change and human behavior: Decreasing energy consumption*. Carnegie Mellon University, Department of Civil and Environmental Engineering and EPP.
- Mary E. Schoen, Ph.D. (2008). *Bayesian hierarchical model for flow-class dependant distributions of bacterial concentrations in surface waters*. Carnegie Mellon University, EPP.
- Shalini P. Vajjhala, Ph.D. (2005). *Mapping alternatives: Facilitating citizen participation in development planning and environmental decision making*. Carnegie Mellon University, EPP.
- Tai Gyu Kim, Ph.D. (2005). *A longitudinal study of employee participation in organizational change*. Carnegie Mellon University, Tepper School of Business.
- David E. Stickers, Ph.D. (2004). *Risk regulation of transportation fuels: An analysis of stakeholder behavior and regulatory outcomes*. Carnegie Mellon University, EPP.
- Daniel C. Kovacs, Ph.D. (2003). *Individuals' perceptions of relationships among chemicals, the environment, and themselves*. Carnegie Mellon University, EPP.
- Mei Wang, Ph.D. (2003). *Prospect theory, framing, and risk preferences: A U.S.-China comparison*. Carnegie Mellon University, SDS.

Deborah A. Lange, Ph.D. (2001). *Strategies for brownfield development based on empirical analysis*. Carnegie Mellon University, Department of Civil and Environmental Engineering.

John R. Schultz, Ph.D. (1999). *The risk of accidents and spills at offshore production platforms: A statistical analysis of risk factors and the development of predictive models*. Carnegie Mellon University, EPP.

James N. Follin, Ph.D. (1998). *Communicating environmental risk: Understanding the factors which affect the success of an environmental impact statement*. Carnegie Mellon University, EPP.

Chair or Member of Ph.D. Candidacy Exam Committee

Breann M. Erford (2016, chair). The Ohio State University, Psychology.

Aleksandr Sinayev (2014). The Ohio State University, Psychology.

Louise R. Meilleur (2013). The Ohio State University, Psychology.

Andrew J. Bodine (2013). The Ohio State University, Psychology.

Dan R. Schley (2013). The Ohio State University, Psychology.

Seth A. Miller (2012, chair). The Ohio State University, Psychology.

James E. Kajdasz (2009). The Ohio State University, Psychology.

Melissa Z. Marks (2008). The Ohio State University, Psychology.

Chair of Masters Thesis Committee

Breann M. Erford (2014). *Investigating patterns and differences in proleader and antitrailer information distortion*. The Ohio State University, Psychology.

Jonghun Sun (2012). *The effect of using large versus small units in quantitative estimates of length, weight, and volume*. The Ohio State University, Psychology.

Dan R. Schley (2012). *The role of precise numbers in judgment*. The Ohio State University, Psychology.

Clare M. Sorenson (2010). *Third-party punishment of groups*. The Ohio State University, Psychology.

Member of Ph.D. Qualifier Committee or Masters Thesis Committee

Aleksandr Sinayev (2013). *Numeric conversions ameliorate the framing effect*. The Ohio State University, Psychology.

Shahzeen Z. Attari (2007). *Decreasing demand: Facilitating energy conservation by changing individual behavior*. Carnegie Mellon University, EPP.

Linda H. Moya (2006). *Is an improving grade sequence preferable to a better grade?* Carnegie Mellon University, Heinz.

Mary Schoen (2005). *Statistical model for low-flow water quality: Impacts of climate change on total maximum daily loads*. Carnegie Mellon University, EPP.

Nancy Paulsen, M.Phil. (2000). *Cost-effectiveness of genetic screening: Averting the risk of bladder cancer*. Carnegie Mellon University, Heinz.

Jianyu Zhang (1998). *Concerns and priorities of stakeholders in brownfields decision making*. Carnegie Mellon University, EPP.

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Kara M. Morgan (1997). *Evaluation of alternative methods for reporting mortality data for risk ranking*. Carnegie Mellon University, EPP.

Advisor for Other Masters Research Projects

Rebecca DerGarabedian and Ashley Van Ness (2005). *Wireless communications for emergency response in Allegheny County*. Carnegie Mellon University, Heinz.

Virna V. Gutiérrez (2004). *The influence of information delivery on risk ranking by lay people*. Carnegie Mellon University, EPP (visiting student from Pontificia Universidad Católica de Chile, Santiago, Chile).

Chair or Member of Undergraduate Honors Thesis Committee

Alison E. Butler (2016). *Quick to be selfish or quick to cooperate? A meta-analysis of reaction time asymmetries in social decision-making*. The Ohio State University, Economics.

Kelsey M. Lewis (2014). *Does experiential probability training improve numerical decision making?* The Ohio State University, Psychology.

Sam DeSalvatore (2012, chair). *Debiasing the hot hand*. The Ohio State University, Psychology. Third place, 15th annual Psychology Undergraduate Research Colloquium, 2012.

David Weiner (2012). *The effects of numeracy and brand preference on the left-digit effect*. The Ohio State University, Psychology.

Megan French (2012). *The effects of self-presentation goals while using social network sites on contingencies of self-worth*. The Ohio State University, Psychology.

University Service

The Ohio State University

Coordinator, Decision Psychology Area, Psychology, 2016–2017.

Graduate School University Fellowship Review Committee, University, 2014.

Chair, Graduate Admissions Committee, Psychology, 2012–2014, 2015–2016.

Coordinator, Quantitative Psychology Area, Psychology, 2012–2014.

Decision Science Center Ad Hoc Committee, University, 2012–2013.

Decision Science Faculty Search Committee, Psychology, 2012–2013.

Judge, Denman Undergraduate Research Forum, University, 2012.

Graduate Studies and Stipends Committee, Psychology, 2011–2014, 2015–2016.

Director, Behavioral Decision Making Initiative, University, 2011–2013.

Quantitative Psychology Faculty Search Committee, Psychology, 2011–2012.

Quantitative Psychology Graduate Admissions Coordinator, Psychology, 2008–2013.

Health Psychology Faculty Search Committee, Psychology, 2008–2010.

Speaker Committee, Psychology, 2007–2008.

Carnegie Mellon University

Ryan Award for Meritorious Teaching Selection Committee, University, 2004–2007.

Green Practices Energy Subcommittee, University, 2003–2006.

Master of Science in Public Policy and Management Committee, Heinz, 2002–2005.
Faculty Senate Representative, University, 2001–2003.
Analysis Abilities and Software Tools Committee, EPP, 2002.
Master of Public Management Committee, Heinz, 2001–2002.
Masters Committee, Heinz, 1996–2001.
Biomedical and Health Engineering Committee, Carnegie Institute of Technology, 1999.

Professional Activities

National Panel Participation

National Research Council Panel on Public Participation in Environmental Assessment and Decision Making, 2003–2008.

National Workshop Participation

Forecast Integration: Doing Something about the Weather, Monterey, CA. Sponsored by the National Science Foundation, 2007.
Extreme Event Decision Making, Arlington, VA. Sponsored by the National Science Foundation, 2001.
Experts' Workshop on Comparative Environmental Risk Assessment and Management (CERAM), Emmitsburg, MD. Sponsored by the American Chemistry Council, 2000.

Organizations

American Psychological Association, 1994–2003.
Association for Psychological Science (formerly American Psychological Society), 1994–2010.
Association for Public Policy and Management, 1997–1998.
Brunswik Society, 1993–2008.
New Investigator Award Committee, Member, 2001.
Society for Conservation Biology, 1998–2001.
Society for Judgment and Decision Making, 1992–present.
Abstract Reviewer for Annual Meeting, 2010, 2014, 2016.
Student Poster Awards Judge, 2000–2002, 2006–2015.
Program Committee for Annual Meeting, 2004–2005.
Society for Medical Decision Making, 1995–2010.
Abstract Reviewer for Annual Meeting, 1997–2002, 2006, 2010–2014.
Session Co-chair at Annual Meeting, 1997.
Society for Risk Analysis, 1998–2010.
Reviewer for Best Paper Competition, 2003.

Reviews

Acta Psychologica, 2011.
American Journal of Managed Care, 1998.
Basic and Applied Social Psychology, 2004–2005.
Environmental Protection Agency.
Peer Review Panel for Decision Making and Valuation for Environmental Policy, 2002.

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Environmental Research Letters, 2010, 2015.
Environmental Science & Technology, 1998–1999, 2001, 2005.
Frontiers in Psychology, 2015.
Health Psychology, 2004.
Health, Risk & Society, 2010.
Human and Ecological Risk Assessment, 2007.
John Wiley & Sons, book, 2003.
Journal of Applied Social Psychology, 1993.
Journal of Behavioral Decision Making, 2007, 2011–2014.
Journal of Economic Psychology, 2010.
Journal of Experimental Psychology: Applied, 1998–1999, 2012, 2014.
Journal of Experimental Psychology: General, 2015–2016.
Journal of Experimental Social Psychology, 1992.
Journal of General Internal Medicine, 1998.
Journal of Individual Differences, 2016.
Journal of Policy Analysis and Management, 2005.
Journal of Risk Research, 2005–2006, 2010.
Judgment and Decision Making, 2007, 2010–2014.
 Editorial Board, 2010–2011.
 Associate Editor, 2011–present.
Jurimetrics Journal, 1997.
Medical Decision Making, 1995, 1997–2002, 2005, 2007–2013.
 Editorial Board, 1998–2000, 2011–2013.
National Science Foundation.
 Grant and CAREER proposals, 1999, 2002–2003, 2005–2006, 2008, 2011, 2013, 2015–2016.
 Peer Review Panel for Decision, Risk, and Management Sciences, 2009–2010.
 Peer Review Panel for Multidisciplinary Research into Critical Infrastructure and Related Systems—Mitigation, Preparedness, Response, and Recovery Regarding Disasters and Other Extreme Events, 2003.
Natural Hazards Review, 2002.
National Research Council, book chapter, 2004.
New England Journal of Medicine, 2014.
Organizational Behavior and Human Decision Processes, 2010–2015.
 Editorial Board, 2011–2016.
Oxford University Press, book proposal, 1998.
Palgrave Macmillan, book proposal, 2012.
Population and Environment, 2011.
PLOS ONE, 2016.
Psychological Science, 2005, 2013.
Psychonomic Bulletin & Review, 2016.
Risk Analysis, 2000, 2002–2004, 2006, 2009–2012, 2014–2016.

Social Sciences and Humanities Research Council of Canada, grant proposal, 2014.

Strategic Behavior and the Environment, 2016.

Visible Language, 1992.

Wiley Encyclopedia of Operations Research and Management Science, 2010.

Honors

Martcia Wade Teaching Award, for outstanding teaching performance at the Heinz School of Public Policy and Management, Carnegie Mellon University, 2006.

Profile featured in the American Psychological Society's *Observer* series on psychologists in nontraditional academic departments (invited essay on my research and experiences), 2003.

First place, Lee B. Lusted Student Prize Competition, for research presented at the annual meeting of the Society for Medical Decision Making, 1995.

Graduate Student Research and Creative Work Award, University of Colorado, 1994.

Brunswik Society New Investigator Award, for research presented at the annual meeting of the Brunswik Society, 1993.

Doctoral Fellowship Award in Psychology, University of Colorado, 1989–1990, 1992–1993, 1993–1994.

Graduate Fellowship in Chemistry, Cornell University, 1985–1986.

Honors Graduate, California Institute of Technology, 1985.

Kodak Scholarship in Chemistry, California Institute of Technology, 1983–1985.

Awards to Graduate Students and Co-authors for Collaborative Research

Grand Challenge Student Paper Award, NSF-AEESP, Association of Environmental Engineering and Science Professors, awarded to Shahzeen Z. Attari for a 2009 *Environmental Economics* paper by Attari, Schoen, Davidson, DeKay, Bruine de Bruin, Dawes, & Small, 2009.

First place, Decision Analysis Society Student Paper Competition, awarded to Kara M. Morgan for a paper by Morgan, Fischbeck, and DeKay, 1999.

Outstanding Paper by a Young Investigator, Society for Medical Decision Making, awarded to Peter A. Ubel for a 1996 *New England Journal of Medicine* paper by Ubel, DeKay, Baron, and Asch, 1997.