

Robin A. Cantor, Ph.D.
Principal

Professional Profile

Dr. Robin Ann Cantor is a Principal in Exponent's Alexandria, VA office. She specializes in applied economics; environmental, energy, and health economics; statistics; risk management; and insurance claims analysis. Prior to joining Exponent, she led the Liability Estimation practice at Navigant Consulting and assisted companies and financial institutions with analysis to better understand asbestos and other product liability exposures. Other positions she has held include: Principal and Managing Director of the Environmental and Insurance Claims Practice at LECG, LLC, Program Director for Decision, Risk, and Management Sciences, a research program of the National Science Foundation, and senior research appointments at Oak Ridge National Laboratory. Dr. Cantor has a faculty appointment in the Graduate Part-time Program in Engineering of the Johns Hopkins University. She was the President of the Society for Risk Analysis in 2002, and from 2001-2003, she served as an appointed member of the Research Strategies Advisory Committee of the US Environmental Protection Agency's Science Advisory Board. She is a member of the Executive Committee for the Women's Council on Energy and the Environment. Dr. Cantor's testimonial experience includes analysis of market-shares and liability assignment, economic damages, product liability estimation in bankruptcy matters and insurance disputes, statistical analysis of asbestos settlements, analysis of premises and product claims, cost contribution allocation in Superfund disputes, analysis of derailment risks, reliability of statistical models and estimation methods, and economic analysis of class certification issues. She has prepared expert reports that address economic issues in antitrust, health-care reimbursement, commercial practices and contracts, intellectual property, employment discrimination, false advertising, regulation, and other areas of product and market analysis. Dr. Cantor has submitted analysis, testimony and affidavits in federal arbitration, regulatory and Congressional proceedings, and state and federal courts. Dr. Cantor's publications include refereed journal articles, book chapters, expert reports, reports for federal sponsors, and a book on product liability and a book on economic exchange under alternative institutional and resource conditions.

Academic Credentials and Professional Honors

Ph.D., Economics, Duke University, 1985
B.S., Mathematics, Indiana University of Pennsylvania, 1978

Fellow, Society for Risk Analysis, 2002
President, Society for Risk Analysis, 2002
YWCA Tribute to Women Award for Business and Industry, 1990

Society for Risk Analysis Presidential Recognition Award, 2008; Society for Risk Analysis Outstanding Service Award, 1999; NSF Director's Award for Superior Accomplishment, 1996;

NSF Special Act Award, 1995; NSF Director's Award for Program Officer Excellence, 1994; Oak Ridge National Laboratory Significant R&D Accomplishment Award, 1993; Martin Marietta Special Achievement Award, 1990; Martin Marietta Special Achievement Award, 1989; Martin Marietta Energy Systems Significant Event Award, 1988; C.B. Hoover Scholar, 1980–1981; Mellon Fellowship, 1978–1981

Publications

Cantor, RA. Product Liability. In: *Leadership in Science and Technology: A Reference Handbook*. Bainbridge WS (ed), Sage Publications Inc: Thousand Oaks, CA, 2012:281–288.

Menzie C, Cantor R, Boehm P. Business planning for climate change: Identifying vulnerabilities and planning for changes in water, temperature, sea level, natural resources, health effects, and extreme events. *Environmental Claims Journal* 2011; 23(3–4):190–198.

Cantor RA (ed.). *Product Liability*. ABA Publishing: Chicago IL, 2011.

Cantor RA, Lyman M, Reiss R. Asbestos claims and litigation. In: *Product Liability*. Cantor RA (ed), ABA Publishing: Chicago IL, 2011:125–145.

Review Committee (Cantor RA – member). *Review of the Department of Homeland Security's approach to risk analysis*. National Research Council, The National Academies Press: Washington, D.C., 2010.

Cantor RA, Gunaseelan P, Vopelius J, Bandza A. Creating and financing the next-generation carbon offset project: An application to carbon capture and storage. In: *Energy and Environmental Project Finance Law and Taxation: New Investment Techniques*. Kramer AS, Fusaro PC (eds), Oxford University Press, 2010:15–38.

Cantor RA, Lyman M, Reiss R. Asbestos claims and litigation. *John Liner Rev* 2009; 23(2): 28–38.

Cantor RA, Hlavin A, Katofsky R, McDonald C. Current perspectives on trading environmental attributes. In: *Energy and Environmental Trading: U.S. Law and Taxation*. Kramer A, Fusaro P (eds), Cameron May, 2008; 183–235.

Cantor RA. Enterprise risk management perspectives on risk governance. In: *Global Risk Governance: Concept and Practice using the IRGC Framework*. Renn O, Walker K (eds), Springer Press, 2008: 87–91.

Nieberding J, Cantor RA. Price dispersion and class certification in antitrust cases: An economic analysis. *J Legal Econ* 2007; 14(2):61–84.

Bunting C, Renn O, Florin M-V, Cantor RA. Introduction to the IRGC risk governance framework. *John Liner Rev* 2007; 21(2):7–26.

Cantor RA, Lyman M. Asbestos and state tort reforms. *John Liner Rev* 2007; 20(4):39–45.

Cantor RA, Cook M, Lyman M. Is the end in sight? *Global Reinsurance* 2006; September, 45–46.

Cantor RA, Cook M, Lyman M. After the FAIR Act. *Run Off Business* 2006; 17:34–36.

Cantor RA, Cook M. A chink in the FAIR Act. *Global Reinsurance* 2006; April, 9.

Morgan MG, Cantor RA, Clark B, Fisher A, Jacoby J, Janetos T, Kinzing, Melillo J, Street R, Wilbanks T. Learning from the U.S. national assessment of climate change impacts. *Environ Sci Technol* 2005; October.

Nieberding J, Cantor RA. Price dispersion, the “Bogosian Short Cut,” and class certification in antitrust cases. *ABA Antitrust Law, Economics Committee Newsletter* 2004; 4(1):5–9. Also reprinted in *Texas Business Litigation* 2005; 23–25.

Zimmerman R, Cantor RA. State of the art and new directions in risk assessment and risk management: Fundamental issues of measurement and management. In: *Risk Analysis and Society: An Interdisciplinary Characterization of the Field*. McDaniels TL, Small MJ (eds), Cambridge University Press, 2004.

Cantor RA. Introduction to the 2001 best paper special issue. *Risk Anal* 2003; 23(6):1209–1210.

Adams GD, Cantor RA. Risk, stigma, and property values: What are people afraid of? pp. 175–186. In: *Risk, Media and Stigma*. Flynn J, Kunreuther H, Slovic P (eds), pp. 175–186, Earthscan Publications, Ltd., 2001.

Cantor RA, Rayner S, Henry S. *Markets, distribution & exchange after societal cataclysm*, Books for Business, December 2000.

Cantor RA. Discussion paper on net environmental benefits assessment for restoration projects after oil spills, or some reflections on the decision process. pp. 145–152. In: *Restoration of Lost Human Uses of the Environment*. Cecil G (ed), SETAC Press, 1999.

Cantor RA, Yohe G. Economic analysis. pp. 1–93. In: *Human Choice and Climate Change: An International Assessment, Volume 3: Tools for Policy Analysis*. Rayner S, Malone EL (eds), Battelle Press, 1998.

Cantor RA (contributor), Jaeger CC, Renn O, Rosa EA, Webler T, McDonell G, Sergen G (eds.) Decision analysis. pp. 141–2216. In: *Human Choice and Climate Change: An International Social Science Assessment State of the Art Report, Volume 3*. Rayner S, Malone EL (eds), Battelle Press, 1998.

Cantor RA. Rethinking risk management in the federal government. *Ann Am Acad Political Social Sci* 1996; 545:135–143.

Cantor RA. Estimating externalities of coal fuel cycles, Lee R (ed.), Report 3, Utility Data Institute, McGraw-Hill, Washington, DC, 1994.

Cantor RA, Rayner S. Changing perceptions of vulnerability. In: *Industrial Ecology and Global Change*. Socolow R, Andrews C, Berkhout F, Thomas V (eds), Cambridge University Press, 1994.

Cantor RA, Schoepfle M. Risk, rationality, and community: Psychology, ethnography, and transactions in the risk management process. *The Environmental Professional* 1993; 15:293–303.

Cantor RA, Henry S, Rayner S. *Making markets: An interdisciplinary perspective on economic exchange*, Greenwood Press, Delaware, 1992.

Fulkerson W, Jones J, Delene J, Perry AM, Cantor RA. The potential role of nuclear power in controlling CO₂ emissions. In: *Limiting the Greenhouse Effect: Options for Controlling Atmospheric CO₂ Accumulation*. Pearman GI (ed), John Wiley and Sons, 1992.

Cantor RA, Schoepfle M, Szarleta E. Sources and consequences of hypothetical bias in economic analysis of risk behavior. In: *The Analysis, Communication, and Perception of Risk*. Garrick BJ, Gekler WC (eds), Plenum Press, New York, 1991.

Cantor RA. Applying construction lessons to decommissioning estimates. *Energy J* 1991; 12:105–117.

Cantor RA, Rizy C. Biomass energy: Exploring the risks of commercialization in the United States of America. *Bioresource Technol* 1991; 35(1):1–13.

Cantor RA, Krupnick A, Rizy C. Beyond the market: Recent regulatory responses to the externalities of energy production. pp. 51–61. *Proceedings, 1991 Conference of the National Association of Environmental Professionals*, 1991.

Cantor RA, Rayner S. Thinking the unthinkable: Preparing for global disaster. In: *New Risk: Issues in Management*. Ricci P (ed), Plenum Press, New York, 1990.

Cantor RA, Jones D, Lieby P, Rayner S. Policies to encourage private sector responses to potential climate change. In: *Energy Markets in the 1990s and Beyond*. Finizza A, Weyant JP (eds), IAEE, Washington, DC, 1989.

Cantor RA, Hewlett J. The economics of nuclear power: Some new evidence on learning, economies of scale, and cost estimation. *Resources Energy* 1988; 10:315–335.

Rayner S, Cantor RA. Quand le risque acceptable est-il socialement justifié. In : La Société Vulnérable, Fabiani J-L, Theys J (eds), Presses De L'École Normale Supérieure, Paris, 1987.

Cantor RA, Rayner S, Braid RB. The role of liability preferences in societal technology choices: Results of a pilot study. In: Risk Assessment and Management. Lave L (ed), Plenum Press, New York, 1987.

Rayner S, Cantor RA. How fair is safe enough? The cultural approach to societal technology choice. Risk Anal 1987; 7(1):3–9.

Cantor RA, Rayner S. The fairness hypothesis and managing the risks of societal technology choices. ASME, paper 86-WA/TS-5, December 1986.

Cantor RA. Regulatory trends and practices related to nuclear reactor decommissioning. In: The Energy Industries in Transition 1985–2000. Weyant JP, Sheffield DB (eds), IAEE, Washington, DC, 1984.

Other Publications

Cantor RA, Patrick B. Commercialization of nanotechnology: Enterprise risk management issues. Background Paper presented to the ABA Section of Environment, Energy, and Resources Nanotechnology Panel, 36th Annual Conference on Environmental Law, Keystone, CO, March 8–11, 2007.

Cantor RA, Zimmerman R. First World Congress on Risk “Risk and Governance” conference highlights. Risk Newsletter 2003; 23(4):1–10.

Cantor RA. Risk analysis in an interconnected world. RISK Newsletter 2001; 21(3):1–3.

Cantor RA, Zimmerman R. Risk and governance: An international symposium. RISK Newsletter 2001; 21(1):20–21.

Cantor RA. Book review of *Public Reactions to Nuclear Waste* by Riley E. Dunlap, Michael E. Kraft, and Eugene A. Rosa. Science 1994; 266:145.

Cantor RA. News from Washington. Human Dimensions Quarterly 1994; 1(2):20–21.

Cantor RA. Book review of *The Risk Professionals* by Thomas M. Dietz and Robert W. Rycroft. Environmental Professional 1989; 11(4):458–459.

Cantor RA. Decommissioning: The Next chapter in the nuclear saga. FORUM 1988; 3(3):105–106.

Technical Manuscripts

Menzie C, Cantor R, Boehm P, Bailey JR. An approach to business vulnerability and risk assessments related to climate change. SPE Paper Number SPE-127083-PP, November, 2009.

Analysis of the Estimated Production Cost Savings From Replacing the Dollar Note with the Dollar Coin. Final report of analysis submitted to Congressional Record, June 12, 2000 (with Jessica B. Horewitz and Robert N. Yerman).

Rebuttal Verified Statement with Gordon C. Rausser for CSX Corporation and CSX Transportation, Inc., Norfolk Southern Corp., and Norfolk Southern Railway Co., Control and Operating Leases/Agreements, Conrail Inc. and Consolidated Rail Corp., Railroad Control Application, Applicants' Rebuttal Vol. 2B of 3, December, 1997.

Community Preferences and Superfund Responsibilities. Prepared for the USEPA under Interagency Agreement 1824-B067-A1 with Oak Ridge National Laboratory, August 1993.

The U.S.-EC Fuel Cycle Study: Background Document to the Approach and Issues. Oak Ridge National Laboratory, ORNL/TM-2500, November, 1992 (with L. W. Barnthouse, D. Burtraw (Resources for the Future), G. F. Cada, C. E. Easterly, A. M. Freeman (Bowdoin College), W. Harrington (Resources for the Future), T.D. Jones, R. L. Kroodsmma, A. J. Krupnick (Resources for the Future), R. Lee, H. Smith (DOE), A. Schaffhauser, and R. S. Turner).

What are the Problems of Equity and Legitimacy Facing a Management Strategy for the Global Commons? Managing the Global Commons: Decision Making and Conflict Resolution in Response to Climate Change, Oak Ridge National Laboratory, ORNL/TM-11619, July, 1990 (with Roger Kaspersen in Steve Rayner, Wolfgang Naegeli, and Patricia Lund).

Markets, Distribution, and Exchange after Societal Cataclysm, Oak Ridge National Laboratory, ORNL-6384, November 1989 (with S. Rayner and S. Henry).

Information. Chapter 5 of A Compendium of Options for Government Policy to Encourage Private Sector Responses to Potential Climate Change, DOE/EH-0102, Report to Congress, October, 1989 (with G. G. Stevenson and P. J. Sullivan).

Agriculture and Forestry. Chapter 10 of A Compendium of Options for Government Policy to Encourage Private Sector Responses to Potential Climate Change, DOE/EH-0102, Report to Congress, October, 1989 (with W. Naegeli and A. F. Turhollow, Jr.).

Evaluation of Implementation, Enforcement and Compliance Issues of the Bonneville Model Conservation Standards Program, Vol. I and II, ORNL/CON-263, July 1989 (with Steve Cohn).

Gas Furnace Purchases: A Study of Consumer Decision Making and Conservation Investments. ORNL/TM-10727, October 1988 (with David Trumble).

An Analysis of Nuclear Power Plant Construction Costs. DOE/EIA-0485, 1986 (with J. G. Hewlett and C. G. Rizy).

Nuclear Reactor Decommissioning: A Review of the Regulatory Environments. ORNL/TM-9638, 1986.

Nuclear Power Options Viability Study, Vol. I, Executive Summary, ORNL/TM-9780/1, 1986 (with D. B. Trauger et al.).

Nuclear Power Options Viability Study, Vol III, Nuclear Discipline Topics. ORNL/TM-9780/3, 1986 (with D. B. Trauger et al.).

Clinch River Breeder Reactor: An Assessment of Need for Power and Regulatory Issues, ORNL/TM-8892, September 1983 (with D. M. Hamblin et al.).

Selected Presentations

Cantor RA, Menzie CA, Bremser AW, Deardorff TL, Hulme-Lowe CK, Wickwire WT. Seeing the forest through the trees: NRD and dynamic ecosystems. Poster Presentation at the Society for Risk Analysis, 2011 Annual Meeting, Charleston, SC, December 4–7, 2011.

Cantor RA. Evaluating vulnerabilities and identifying emerging risks. Invited presentation, The Conference Board EHS Legal Counsel Meeting, Houston TX, January 15–16, 2009.

Cantor RA. Using exposure science to ascertain asbestos liabilities. Invited CLE presentation, Business Valuation Resources, LLC Teleconference, November 18, 2008.

Cantor RA. Weather and temperature: Emerging health issues for US companies. REBEX 2008, Wheeling IL, October 23–24, 2008.

Cantor RA. Asbestos risk transfers: Unlocking value by walling off asbestos liabilities. Invited CLE session at Willkie Farr & Gallagher, New York, NY, June 4, 2008.

Cantor RA. The future of asbestos—New techniques for unlocking value by selling liabilities to investors. Mealey's™ Teleconference, March 25, 2008.

Cantor RA. Update on other U.S. long-tailed product liabilities. Invited presentation, 4th International Asbestos Claims & Liabilities Conference: The Practical Guide to Litigating, Settling and Managing Asbestos Claims, London, January 30–31, 2008.

Cantor RA. Tax or cap: What are the real differences for carbon policy in the US? Invited session and presentation, McDermott Will & Emery 10th Annual Energy Conference, Washington DC, October 9–10, 2007.

Cantor RA. Managing nanotechnology's life cycle risks responsibly. Invited ALI-ABA teleconference, June 27, 2007.

Cantor RA. Carbon emissions—Planning for the change. Invited teleconference, Environmental Law Network, June 15, 2007.

Cantor RA. Liability estimation and the historical future. Invited presentation, Mealey's™ Asbestos Bankruptcy Conference, Chicago, IL, June 7–8, 2007.

Cantor RA. Renewables and the value proposition for carbon credits. Invited presentation, McDermott Will & Emery 9th Annual Energy Conference, Washington DC, October 19–20, 2006.

Cantor RA. The ABCs of the value proposition for carbon credits. Invited presentation, the Environmental Trading Congress, New York, NY, July 24–25, 2006.

Cantor RA, Lyman M. Liability estimation in U.S. bankruptcy cases. London Underwriting Centre, London, UK, January 10, 2006.

Cantor RA, Lyman M. The status of the FAIR Act. London Underwriting Centre, London, UK, January 10, 2006.

Cantor RA. Economic appraisal of ecological assets. Invited presentation, U.S. Environmental Protection Agency Science Advisory Board “Science and the Human Side of Environmental Protection” Series, Washington, DC, July 6, 2002.

Cantor RA. Scientists and Homeland Security—The relevance of risk analysis. Invited presentation, Council of Scientific Society Presidents, Washington, DC, May 2002.

Cantor RA. NRD rules and economics. Invited presentation, Environmental and Admiralty Law Committees of the Association of the Bar of the City of New York, December 7, 2000.

Cantor RA. Revealed preferences and environmental risks: Lessons learned from two policy debates. Annual Meetings of the Society For Risk Analysis, Phoenix, AZ, December 8, 1998.

Cantor RA. Valuing environmental impacts: Lessons learned from the natural resource damage debate. Invited Paper, Society of Environmental Toxicology and Chemistry, 19th Annual Meeting, November 19, 1998.

Cantor RA. How will climate change affect economics and politics? Invited panel speaker, Policy and Politics of Climate Change, ABA Section of Natural Resources, Energy, and Environmental Law Fall Meeting, October 8, 1998.

Cantor RA. Natural resource damage rules: A search for the path of least resistance in value disputes? George Washington University Seminar Series on Environmental Values and Strategies, September 1997.

Cantor RA. Rethinking the science of risk management: Changing paradigms of the process and function. Operations and Information Management Department Workshop, Wharton School of the University of Pennsylvania, November 1995.

Cantor RA, Arkes H. Interdisciplinary perspectives on experimental methods. 1995 Meetings of the American Economic Association, January 1995.

Cantor RA. Risk management: Four different views. Invited presentation, The Conservation of Great Plains Ecosystems Symposium, April 1993.

Cantor RA. Human dimensions of global change: A white paper on the USGCRP research programs. National Academy of Sciences Board on Global Change, November 1993.

Cantor RA, Rayner S. Changing perceptions of vulnerability. Invited paper, NCAR/UCAR Summer Institute on Industrial Ecology and Global Change, July 17–31, 1992.

Cantor RA. Should economic considerations limit the conservatism of risk assessment? Invited paper, Workshop of the International Society of Regulatory Toxicology and Pharmacology on Risk Assessment and OMB's Report on its Application in Regulatory Agencies, Washington, DC, June 11, 1991.

Cantor RA. Beyond the market: Recent regulatory responses to the externalities of energy production. Annual Meetings of the National Association of Environmental Professionals, Baltimore, MD, April 30, 1991.

Cantor RA. Understanding community preferences at Superfund sites. National Meeting of EPA Community Relations Coordinators, Chicago, IL, April 4–6, 1990.

Cantor RA. Methodological myths and modeling markets: A common framework for analyzing exchange. Second Annual International Conference on Socio-Economics, Washington, DC, March 1990.

Cantor RA, Schoepfle GM, Szarleta EJ. Sources and consequences of hypothetical bias in economic analyses of risk behavior. 1989 Meetings of Society for Risk Analysis, October 1989.

Cantor RA, Jones D, Lieby P, Rayner S. Policies to encourage private sector responses to potential climate change. 1989 Meetings of International Association of Energy Economists, October 1989.

Cantor RA, Szarleta EJ. The experimental approach in public policy analysis: precepts and possibilities. Public Choice Society and Economic Science Association Annual Meetings, Orlando, FL, March 17–19, 1989.

Cantor RA, Rayner S. Global disaster management: Developing principles for research. 1988 Meetings of the Association for Public Policy Analysis and Management, October 1988.

Cantor RA. Implementation and enforcement issues from early adopter experience. Regional Evaluation Network, Northwest Power Planning Council, Portland, OR, June 1988.

Cantor RA. Using information from toxic-tort litigation to value the health and safety consequences of regulatory decisions. Public Policy Workshop, the Department of Economics and Waste Management Research and Education Institute, University of Tennessee, Knoxville, TN, February 1988.

Cantor RA, Bishop R, Jr. Valuing safety and health effects in regulatory decisions: A revealed-preference approach. 1987 Annual Meeting of the Society for Risk Analysis, November 3, 1987.

Cantor RA. Government intervention and technology prices: The CANDU example. Invited paper, WATTEC Conference, Knoxville, TN, February 19, 1987.

Cantor RA. Fairness hypothesis and managing the risks of societal technology choices. 1986 Winter Annual Meeting of the American Society of Mechanical Engineers, Anaheim, CA, December 10–12, 1986.

Cantor RA. A retrospective analysis of technological risk: The case of nuclear power. Invited paper, Center of Resource and Environmental Policy Workshop Series, Vanderbilt University, Nashville, TN, December 4, 1986.

Cantor RA, Petrich C, Mercier J-R. Evaluation of a large-scale charcoal project in Madagascar: Attacking the deforestation problem from the supply side. 1986 IAEE North American Conference, Cambridge, MA, November 19–21, 1986.

Cantor RA, Rayner S. Tools for the job: Choosing appropriate strategies for risk management. 1986 Annual Meeting of the Society for Risk Analysis, Boston, MA, November 9–12, 1986.

Cantor RA, Rayner S. Thinking the unthinkable: Preparing for global disaster. 1986 Annual Meeting of the Society for Risk Analysis, Boston, MA, November 9–12, 1986.

Cantor RA, Rayner S, Braid B. The Role of liability preferences in societal technology choices: Results of a pilot study. 1985 Annual Meetings of Society for Risk Analysis, Washington, DC, October 8, 1985.

Conference Participation

Invited panelist for “An Integrated Risk Framework for Gigawatt-Scale Deployments of Renewable Energy: The Wind Energy Case Study,” 2009 Annual Meeting for the Society for Risk Analysis, Baltimore, MD, December 9, 2009.

Invited session organizer and panelist for “Global Warming and Greenhouse Gas Controls: What do they mean for you?” 2008 Annual Meeting of the National Association of Publicly Traded Partnerships, Washington DC, June 26, 2008.

Co-chair, “Second World Congress on Risk,” Guadalajara, Mexico, June 2008.

Invited panelist for “Climate Litigation: The Next Asbestos or the Next Y2K?” ABA Section of Litigation Annual Conference, Washington DC, April 17, 2008.

Invited panelist for “Business of Mitigation: Carbon Offsets and Trading,” Oxford University Capstone Conference, Oxford, UK, September 10, 2007.

Panelist for “Issues Concerning Implementation,” at the Public Forum on OMB’s Proposed Risk Assessment Bulletin: Implications for Practice Inside and Outside Government, sponsored by Society for Risk Analysis, Society of Environmental Toxicology and Chemistry in North America, Society of Toxicology, and International Society of Regulatory Toxicology and Pharmacology.

Session Chair, “Challenges Facing Industrial Countries,” with key-note speeches by Philippe Busquin, EU Commissioner for Research, and Dr. John Graham, Administrator of the US Office of Information and Regulatory Affairs, Inaugural Conference of the International Risk Governance Council, Geneva, Switzerland, June 29, 2004.

Co-Chair, “First World Congress on Risk,” Brussels, Belgium, June 2003.

Chair of the Organizing Committee, 2001 Annual Meetings for the Society for Risk Analysis.

Member of the Organizing Committee, Risk and Governance Symposium, Society for Risk Analysis, June 2000.

Organizing Committee Member for the 1996, 1997, 1998, and 2002 Annual Meetings of the Society for Risk Analysis.

Panelist for Net Environmental Benefits Assessment for Restoration Projects after Oil Spills, Conference on Restoration for Lost Human Uses of the Environment, Washington, DC, May 1997.

Session Organizer and Chair for Cost Benefit Analysis and Risk Assessment at the 1996 Annual Meeting of the Society for Risk Analysis.

Panelist for Challenges in Risk Assessment and Risk Management sponsored by The Annenberg Public Policy Center of the University of Pennsylvania at the National Press Club, Washington, DC, May 16, 1996.

Panelist for Media and Risk in a Democracy: Who Decides What Hazards Are Acceptable? At the 1995 Annual convention of the Association for Education in Journalism and Mass Communication.

Session Organizer and Co-Chair for Experimental Methods: Insights from Economics and Psychology at the 1995 Meetings of the American Economic Association.

U.S. Organizer for the Third Japan-U.S. Workshop on Global Change Modeling and Assessment: Improving Methodologies and Strategies, Hawaii, October 1994.

Cluster Organizer for three sessions on Competitiveness at the Fall Meeting of the Operations Research Society of America/The Institute of Management Sciences, 1994.

Roundtable Panelist for Risk Communication Research: Defining Practitioner Needs at the 1994 Meetings of the Society for Risk Analysis.

Workshop Organizer for Organizational Transformation and Quality Systems, National Science Foundation, 1993.

Session Chair and Organizer for the NSF/Private Sector Research Initiative Projects at the 1992 Meetings of the Society for Risk Analysis.

Roundtable Panelist for the EPA Session on Risk Communication at the 1990 Meetings of the Society for Risk Analysis.

Session Chair and Organizer for the Computer Assisted Market Institutions Session at the Advanced Computing for the Social Sciences Conference, April 1990.

Discussant for the Issues in LDC Public Finance Session at the 1988 Meetings of the American Economic Association.

Session Chair and Organizer for Social Science Innovations in Risk-Analysis Methods, Special Session at the 1988 Meetings of the Society for Risk Analysis.

Prior Experience

Managing Director, Navigant, 2004–2008

Lecturer, Graduate Program, Johns Hopkins University, Engineering and Applied Science Programs for Professionals, Program in Environmental Engineering, Science and Management, 1996–present

Principal and Managing Director, LECG, 1999–2004

Senior Managing Economist, LECG, 1999

Managing Economist, LECG, 1996–1998

Member, U.S. Environmental Protection Agency, Science Advisory Board, Research Strategies Advisory Committee, 2001–2003

Program Director, Decision, Risk, and Management Science, National Science Foundation, 1992–1996

Coordinator, NSF Human Dimensions of Global Change, 1992–1996

Project Manager, Oak Ridge National Laboratory, 1990–1991

Technical Assistant to the Associate Director, Advanced Energy Systems, Oak Ridge National Laboratory, 1989–1990
Group Leader, Social Choice and Risk Analysis Group, Energy and Economic Analysis Section, Oak Ridge National Laboratory, June 1987–1989
Research Staff, Energy and Economic Analysis Section, Oak Ridge National Laboratory, Oak Ridge National Laboratory, October 1982–1987
Consultant, Indonesian Energy Project, Harvard Institute For International Development, July 1987
Visiting instructor, North Carolina Central University, Spring 1982

Advisory and Other Appointments

- National Research Council Committee to Review the Department of Homeland Security's Approach to Risk Analysis, November, 2008–present
- Executive Committee, Women's Council on Energy and the Environment, 2006–present
- Board Member, Women's Council on Energy and the Environment, 2004–2006
- Member, Advisory Group for the Joint Global Change Research Institute, a collaboration between Pacific Northwest National Laboratory and the University of Maryland, 2004–2008
- Member, Planning Committee for a study to evaluate the U.S. National Assessment of the Potential Consequences of Climate Variability and Change, coordinated through Carnegie Mellon University, 2004
- Neutral technical panelist working with Arbitrator Anthony Sinicropi on negotiation issues related to the pilots' compensation contract. Retained by US Airways and the Air Line Pilots Association (ALPA), 2001 and 2002
- Advisory Board Member, Johns Hopkins University Graduate Part-Time Program in Environmental Engineering and Science, 2000–2004
- Planning Committee Member, Carnegie Council on Ethics and International Affairs Long Term Study of Culture, Social Welfare, and Environmental Values in the U.S., China, India, and Japan, initiated January 1997
- Vice-Chair, U.S. Global Change Research Program working group on Assessment Tools and Policy Sciences, 1994–1996
- US Federal Reviewer for the Intergovernmental Panel on Climate Change working group III 1995 Report on Socioeconomics
- NSF Principal for the Committee on the Environment and Natural Resources' Subcommittee on Risk Assessment, 1993–1996. Also served as the liaison between the Subcommittee on Risk Assessment and the Subcommittee on Social and Economic Sciences
- Advisory panel member for Environmental Ethics and Risk Management, National Academy of Public Administration and George Washington University, 1993–1994
- Science Advisory Board member for Consortium for International Earth Science Information Network, 1993
- Review Panel member for Economics and the Value of Information, NOAA, 1993
- NSF technical representative to the FCCSET Ad Hoc Working Group on Risk Assessment and member of its Subcommittee on Risk Assessment, 1992–1993

- NSF representative to Working Party of the FCCSET Subcommittee for Global Change Research on Assessment, 1992–1993
- Affirmative Action Representative for the Energy Division, Oak Ridge National Laboratory 1984–1989, AA Rep for the Central Management Organization of ORNL, October 1989 to November 1990
- Board of Directors, Vice President (1987–1988), President (1988–1989), Matrix Organization, The Business Center for Women and Minorities, Knoxville, TN

Editorships and Editorial Review Boards

- Editorial Board, *Journal of Risk Analysis*, 1997–present
- Editorial Board, *Journal of Risk Research*, 1997–2005

Peer Reviewer

- The Energy Journal, Climate Change, Contemporary Economic Policy, Growth and Change, Ecological Applications, Risk Analysis, Duke University Press, Princeton University Press, J. of Environmental Economics and Management, Resources and Energy, The Environmental Professional, Journal of Risk Research, National Science Foundation, National Oceanic and Atmospheric Administration, FORUM, U.S. Environmental Protection Agency

Professional Affiliations

- American Economic Association
- Women’s Council on Energy and the Environment
- Society for Risk Analysis
 - President, Society for Risk Analysis, 2002
 - President-Elect, Society for Risk Analysis, 2001
 - Councilor, Society for Risk Analysis, 1996–1999
- American Bar Association

Deposition /Trial Testimony

Available on request