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**EDUCATION:**

9/55 – 6/59            Bates College, A.B. (Major: Economics), Magna Cum Laude

9/59 – 6/63            M.I.T., Ph.D. in Economics (1965)

**EXPERIENCE:**

Current                James G. Dinan Professor; Professor of Decision Sciences and Public Policy;  
Co-Director of the Wharton Risk Management and Decision Processes Center

Current                Visiting Research Scientist, Earth Institute at Columbia University

Current                Research Associate, National Bureau of Economic Research

Current                Senior Fellow, Wharton Financial Institutions Center, University of Pennsylvania

1994 – 2010            Cecilia Yen Koo Professor; Professor of Decision Sciences and Public Policy, Wharton

2001 – 2002            Visiting Research Scholar, Earth Institute at Columbia University

1988 – 1989            Program Manager, Decision Risk and Management Science Program,  
National Science Foundation

1980 – 1982            Task Leader of Risk Group, International Institute for Applied Systems Analysis

1977 – 1980            Chairman of Decision Sciences Department, Wharton School, University of  
Pennsylvania

1972 – 1975            Associate Professor of Decision Sciences, University of Pennsylvania

1970 – 1971            Research Advisor, Pakistan Institute of Development Economics  
under Ford Foundation-Yale University Pakistan Project

1966 – 1972            Assistant Professor, Graduate School of Business, University of Chicago

1964 – 1966            Economist of the Institute for Defense Analyses (Economics and Political  
Studies Division), Arlington, Virginia

1963 – 1964            Fulbright Scholar at Econometric Institute, Netherlands School of Economics

## PRIVATE AND PUBLIC SECTOR RELATED ACTIVITIES

2013 – present	New York City Panel on Climate Change
2013	“Improving Insurance Decisions in the Most Misunderstood Industry.” Testimony at the U.S. Senate Committee on Small Business & Entrepreneurship’s Roundtable “Helping Small Business Weather Economic Challenges and Natural Disasters: Review of Legislative Proposals on Access to Capital and Disaster Recovery.” March 14.
2012 – present	Editorial Board, <i>Journal of Financial Perspectives</i>
2012 – present	World Bank Advisory Committee, <i>Strengthening Disaster Risk Assessments to Build Resilience to Natural Disasters</i>
2012 – present	2013 Synthesis of the National Climate Assessment, United States Global Change Research Program, lead author for the chapter on “Decision Support”
2012	<i>Copenhagen Consensus 2012</i>
2012	“Oversight of the SBA’s Disaster Assistance Program and Examining Changes Proposed by H.R. 3042 – The Disaster Loan Fairness Act of 2011.” Testimony before the House of Representatives Small Business Committee, Subcommittee on Economic Growth, Tax and Capital Access, February 16
2011 – present	Steering Board of the Leading Practices Exchange of the Risk Response Network, World Economic Forum.
2011 – present	Member, World Economic Forum’s Global Agenda Council on <i>Insurance &amp; Asset Management</i>
2011 – 2015	Intergovernmental Panel on Climate Change (IPCC) Workshop on Socioeconomic Scenarios for Climate Change Impact and Response Assessment. Coordinating lead author, Chapter 2 of the IPCC’s 5th Assessment Report on <i>Integrated Risk and Uncertainty Assessment of Climate Change Response</i>
2010 – present	Panel on <i>Increasing National Resilience to Hazards and Disasters</i> , National Academy of Sciences
2008 – present	Member, <i>OECD High-Level Advisory Board on Financial Management of Catastrophes</i>
2010 – 2011	Global Agenda Council on <i>Humanitarian Assistance 2010</i> , World Economic Forum
2008 – present	Panel on <i>Adapting to the Impacts of Climate Change</i> , National Academy of Sciences
2008 – present	Steering Committee Member, <i>Adapting to Climate Change</i> , Resources for the Future

2008 – present	Scientific Advisory Committee, CREATE
2008 – present	Advisory Group Member, <i>Foundation Flood Policy Forum on Flood Risk Management</i> , Association of State Floodplain Managers
2005 – present	Fellow, American Association of the Advancement of Science (AAAS)
2008 – 2009	Co-chair, Global Agenda Council on <i>Innovation and Leadership in Reducing Risks from Natural Disasters</i> , World Economic Forum
2008 – 2009	<i>Resilient Coasts: Reducing Risks and Adapting to Climate Change</i> , Heinz Center for Science, Economics and the Environment
2007 – 2009	Member of the National Earthquake Hazards Reduction Program’s Advisory Committee on Earthquake Hazards Reduction
2005 – 2008	Member of the <i>Committee on Bioterrorism Risk</i> , National Academy of Sciences
2007	“Examining a Legislative Solution to Extend and Revise the Terrorism Risk Insurance Act.” Testimony to U.S. House of Representatives (Subcommittee on Capital Markets, Insurance, and Government Sponsored Enterprises of the House Financial Services Committee), June 21
2003 – 2005	Member of the National Science Foundation program on NSF Hazard Research Program for Young Faculty Members
2002 – 2005	Member of the National Academies Board on Radioactive Waste Management
2003 – 2004	Member of the Committee on the Economic Benefits of Improved Seismic Monitoring National Research Council
1999 – 2004	Multi-Hazard Mitigation Council (Board Member)
2001	Member of Committee of Visitors for National Science Directorate of Engineering (Division of Civil and Mechanical Systems), April 26-27
2000 – 2002	Member of Heinz Center Panel on Human and Ecological Links to Natural Disasters: Strengthening Coastal Communities
1999 – 2001	Delaware Valley Child Care Council (Board Member)
1999 – 2001	Public Entity Risk Institute (Board Member)
1994 – 2000	National Academy of Sciences' Board on Natural Disasters
1996 – 1998	Participant in National Science Foundation Mentoring Program on Natural Hazards
1993 – 1998	Member of Building Seismic Safety Committee, National Research Council

- 1994 – 1996      Advisory Panel for the Office of Technology Assessment on Federal Efforts to Reduce Earthquake Damage
- 1991              IIASA Review Panel, National Science Foundation, November 1991
- 1990 – 1991      Policy Steering Committee for the CSIS Catastrophic Earthquake Project
- 1990              “Issues Related to Earthquake Insurance and Earthquake Hazard Mitigation,” testimony to U.S. House of Representatives (Subcommittee on Policy Research and Insurance of Committee on Banking, Finance, and Urban Affairs), September 12
- 1990              “Issues Relating to Insurer Liability for Cleaning Up Hazardous Waste Sites,” testimony to U.S. House of Representatives (Subcommittee on Policy Research and Insurance of Committee on Banking, Finance, and Urban Affairs), September 27
- 1989 – 1990      Consultant to WGBH/NOVA Television Special, “*Living Against the Odds*”
- 1989              Member of National Academy Advisory Group on Earthquake Economic Issues
- 1989 – 1991      Member of National Academy Water Sciences and Technology Board
- 1988 – 1989      Director, Decision Risk and Management Science Program, National Science Foundation
- 1986 – 1988      Panel Member, Decision Risk and Management Science Program, National Science Foundation
- 1983 – 1984      Member of National Association of Insurance Commissioner Task Force on Nuclear Risks
- 1980              Testimony before U.S. Subcommittee on Science and Technology, February
- 1979              National Science Foundation Flood Hazard Mitigation Study
- 1979              National Bureau of Standards Building Research and Technology Review Panel
- 1976 – 1978      Panel Member of National Academy of Sciences – National Research Council Panel on “Socioeconomic Effects of Earthquake Prediction”
- 1972 – 1976      Consultant to Federal Disaster Assistance Administration
- 1975              Consultant to UNESCO panel on “Man and the Biosphere”
- 1974 – 1975      Consultant to National Academy of Sciences – National Research Council Panel on “Public Policy on Earthquake Prediction”
- 1972 – 1973      Consultant to the Office of Emergency Preparedness, Office of Management and Budget, Disaster Study Task Force for the President

## FELLOWSHIPS AND GRANTS RECEIVED

2012-present	Department of Energy/Penn State University: “Greater Philadelphia Innovation Cluster for Energy Efficient Buildings – Economic Policy and Behavior Factors Influencing Building Energy Consumption”
2011-present	National Science Foundation: “Collaborative Research: Type 1 Assessing High Impact Weather Response to Climate Variability and Change Utilizing Extreme Value Theory.”
2010-present	Department of Homeland Security/University of Southern California: “Enhancing Post-Disaster Economic Recovery”
2009-2011	World Bank: “Determining the Attractiveness of Alternative Risk Reducing Measures for Structures, Crops and Infrastructure in Hazard-Prone Areas”
2008-2010	Federal Emergency Management Agency: “Preparedness Policy, Planning and Analysis Division in the National Preparedness Directorate, U.S. Department of Homeland Security”
2007-2009	National Science Foundation/Carnegie Mellon University: DMUU: Center on Climate Decision Making
2005-2008	National Science Foundation: “DRU: Network Structure, Behavioral Considerations and Risk Management in Interdependent Security Games” Co-Principal Investigator
2002 – 2004	National Science Foundation: “Understanding and Improving Protective Decision Making.” Co-Principal Investigator
1993 – 2006	EPA cooperative agreement on “Implementing the Clean Air Act” with faculty associated with the Wharton Risk Management and Decision Processes Center
1997 – 2002	“Assessing and Managing Catastrophic Risks” a joint project with the Financial Institutions Center
1998 – 2000	National Science Foundation: “Role of Insurance and Other Policy Instruments in Managing Catastrophic Risks”
1997 – 1998	University of Washington/National Science Foundation: “Collaborative Study of Analogs to Earthquake Mitigation”
1996 – 1996	National Science Foundation: “Cost-Benefit Analysis Workshop” Co-Principal Investigator
1996 – 1996	U.S. Environmental Protection Agency: “Chemical Accident Investigation and the OECD’s Risk Assessment Terminology Project”
1994 – 1998	National Science Foundation: “The Role of Insurance and Regulations in Dealing with Natural Hazards.” Principal Investigator

1987 – 2003	State of Nevada: “Socioeconomic Impacts of Siting High Level Radioactive Waste Repository”
1994 – 1994	Office of the Nuclear Waste Negotiator: “Past Siting Experiences with Waste Storage Facilities”
1991 – 1994	William and Flora Hewlett Foundation: “Linking Descriptive Analysis with Policy Analysis for Dealing with Environmental Problems” Principal Investigator
1988 – 1991	National Science Foundation: “The Role of Insurance, Compensation, Regulation, and Protective Behavior in Decision making About Risk and Misfortune.” Co-Principal Investigator
1987 – 1989	National Science Foundation: “Low Bid Auctions with Benefit-Sharing for Noxious Facility Siting.” Co-Principal Investigator
1984 – 1985	National Science Foundation: “The Role of Compensation and Negotiation in Siting Hazardous Waste Facilities.” Co-Principal Investigator
1982 – 1983	National Science Foundation: “Misinformation and Decision Processes in Insurance Markets.” Co-Principal Investigator
1976 – 1977	National Science Foundation: "Mitigation and Recovery from Natural Hazards" Co-Principal Investigator
1973 – 1976	National Science Foundation: “Reducing Losses from Selected Natural Hazards, Role of Public and Private Sectors,” Co-Principal Investigator
1972	Ford Foundation Summer Study Award: “Decision Making by Firms in Developing Countries”
1963 – 1964	Fulbright Scholar, Econometric Institute, Netherlands

## **HONORARY AND PROFESSIONAL SOCIETIES**

American Association of the Advancement of Science: AAAS Fellow, 2005

Society for Risk Analysis: Distinguished Achievement Award, 2001

Society for Risk Analysis: Elected Fellow 1992; Outstanding Service Award, 1990; Treasurer, 1983-1985

Phi Beta Kappa

American Economic Association

The Institute of Management Sciences, Associate Editor, 1974 – 1980; Council Member, 1989 – 1991

*Risk Analysis*, Associate Editor, 1984 – present

*Risk Abstracts*, Board of Editors, 1984 – present

*Journal of Risk and Uncertainty*, Associate Editor, 1987 – present

*Journal of Regulatory Economics*, Associate Editor, 1988 – 1998

*Mass Emergencies*, Associate Editor, 1977 – 1981

## TEACHING AWARDS

- 1983 Wharton Graduate Teaching Excellence Award
- 1980 Western Electric Fund Award, with Paul Schoemaker and Paul Kleindorfer, for the program “Decision Sciences Applied to University Problems.” The award is given annually for outstanding achievements in the area of educational innovation in undergraduate education for business administration.

## PUBLICATIONS

### **Books and Monographs**

- Insurance and Behavioral Economics: Improving Decisions in the Most Misunderstood Industry* (with Mark Pauly and Stacey McMorro). Cambridge University Press (2013).
- Learning from Catastrophes: Strategies for Reaction and Response* (with Michael Useem). Upper Saddle River, NJ: Wharton School Publishing (2010).
- At War with the Weather: Managing Large-Scale Risks in a New Era of Catastrophes* (with Erwann Michel-Kerjan) (2009, 2011). Cambridge: MIT Press. (Winner of the 2011 Kulp-Wright Book Award, presented annually by the American Risk and Insurance Association (ARIA) to the author of a book considered to be the most influential text published on the economics of risk management and insurance.)
- On Risk and Disaster: Lessons Learned from Hurricane Katrina* (with Ronald Daniels and Donald Kettl) Philadelphia: University of Pennsylvania Press. (2006).
- TRIA and Beyond* (with Neil Doherty, Esther Goldsmith, Scott Harrington, Paul Kleindorfer, Erwann Michel-Kerjan, Mark Pauly, Irv Rosenthal, and Peter Schmeidler). Wharton Risk Center. (2005).
- Catastrophe Modeling: A New Approach to Managing Risk* (with Patricia Grossi and Chandu Patel, eds.). Boston: Kluwer Academic Publishers. (2005).
- Risk Analysis for Extreme Events: Economic Incentives for Reducing Future Losses* (with Robert Meyer and Christophe van den Bulte). (2004, October). National Institute of Standards and Technology GCR 04-871, [www.bfrl.nist.gov/oea/oea.html](http://www.bfrl.nist.gov/oea/oea.html).
- Economics of Natural Disasters* (with Adam Rose, ed.) Cheltenham, UK: Edward Elgar Publishing. (2004).
- Accident Precursors: Averting Accidents with Foresight* (with James Phimister and Vicki Bier). National Research Council. (2004, July).
- Risk, Media, and Stigma: Understanding Public Challenges to Modern Science and Technology* (with James Flynn and Paul Slovic, eds.). London: Earthscan. (2001).
- Wharton on Making Decisions* (with Stephen J. Hoch and Robert E. Gunther). New York: John Wiley & Sons, Inc. (2001).
- Paying the Price: The Status and Role of Insurance Against Natural Disasters in the United States* (with Richard Roth, Sr., eds.). Washington, DC, Joseph Henry Press. (1998).

*Managing Environmental Risk Through Insurance* (with Paul K. Freeman). Washington, DC: American Enterprise Institute, and Boston: Kluwer Academic Publishers (translated into Japanese). (1997).

“Challenges in Risk Assessment and Management” (with Paul Slovic) (eds.). *Annals of American Academy of Political and Social Science*. (1996, May).

*Energy, Environment and the Economy: Asian Perspectives* (with Paul R. Kleindorfer and David S. Hong) (eds.). Cheltenham: Edward Elgar Publishing Limited. (1996).

*The Dilemma of Siting a High-Level Radioactive Waste Repository* (with Doug Easterling). Boston: Kluwer Academic Publishers. (1995).

*Decision Sciences, An Integrated Perspective* (with Paul Kleindorfer and Paul Schoemaker). Cambridge University Press. (1993).

Edited special issue of *Journal of Risk and Uncertainty* (with Colin Camerer) on “Making Decisions about the Liability in Insurance,” (December 1993).

*International Trade in Insurance* (with Mark Pauly). Irwin Publishers. (1990).

*Integrating Insurance and Risk Management Strategies for Hazardous Wastes* (with Rajeev Gowda) (eds.). Boston: Kluwer Academic Publishers. (1990).

*Insuring and Managing Hazardous Risks: From Seveso to Bhopal and Beyond* (with Paul Kleindorfer) (eds.). Berlin: Springer-Verlag. (1987).

*Risk Analysis and Decision Processes: The Siting of LEG Facilities in Four Countries* (with J. Linnerooth, J. Lathrop, H. Atz, C. Mandl, S. MacGill, M. Schwartz, M. Thompson). Berlin: Springer-Verlag. (1983).

*Market Equilibrium with Private Knowledge: An Insurance Example* (with Mark Pauly). Philadelphia: University of Pennsylvania Press. (1982).

*Risk: A Seminar Series* (ed.). IIASA. (1982).

*The Risk Analysis Controversy* (with E. Lay) (eds.). Berlin: Springer-Verlag. (1982).

*Behavioral Determinants of Market Failure: The Case of Disaster Insurance* (with Ralph Ginsberg). Philadelphia: University of Pennsylvania Press. (1978).

*Disaster Insurance Protection: Public Policy Lessons* (with R. Ginsberg, L. Miller, P. Sagi, P. Slovic, B. Borkan, and N. Katz). Wiley Interscience. (1978).

*An Interactive Modeling System for Disaster Policy Analysis* (with Lepore, Miller, Vinso, Wilson, Borkan, Duffy, and Katz). Boulder: Institute for Behavioral Science. (1978).

*Recovery from Natural Disasters: Insurance or Federal Aid?* Washington: American Enterprise Institute for Public Policy Research. (1973).

*The Economics of Natural Disasters: Implications for Federal Policy*, with D. Dacy. New York: The Free Press, MacMillan. (1969). Winner of the 1971 Elizur Wright Award for the publication that made "the most significant contribution to the literature of insurance."

### **Published Papers**

“Economics of Catastrophe Risk Insurance” (with E. Michel-Kerjan) In: *Handbook of the Economics of Risk and Uncertainty*, M. Machina and K. Viscusi (eds.), Elsevier (in press).

“Making America More Resilient toward Natural Disasters: A Call for Action” (with Erwann Michel-Kerjan, and Mark Pauly), *Environment Magazine*, July/August 2013.

“An Economic Analysis of Climate Adaptations to Hurricane Risk: Application to St. Lucia” (with Chieh Ou-Yang and Erwann Michel-Kerjan” *Geneva Papers on Risk and Insurance* (forthcoming).

“Catastrophe Model Based Quantification of Riverine and Storm Surge Flood Risk in Texas” (with Jeffrey Czajkowski and Erwann Michel-Kerjan). *Risk Analysis*, DOI: 10.1111/risa.12068 (forthcoming).

“Managing Catastrophic Risk” (with Geoffrey Heal). *Encyclopedia of Energy, Natural Resources and Environmental Economics* (in press).

“Policy Options for Reducing Losses from Natural Disasters: Allocating \$75 billion.” (with E. Michel-Kerjan). In: *Global Problems, Smart Solutions: Costs and Benefits*. Cambridge University Press (in press).

“Managing Catastrophic Risks through Redesigned Insurance: Challenges and Opportunities” (with Erwann Michel-Kerjan), In: *Handbook of Insurance*. G. Dionne (ed.), Springer Science + Business Media (in press).

“Risk Management and Climate Change” (with Geoffrey Heal, Myles Allen, Ottmar Edenhofer, Christopher B. Field, Gary Yohe). *Nature Climate Change*, Vol. 5, May 2013. DOI: 10.1038/NCLIMATE1740.

“Insuring Climate Catastrophes in Florida: An Analysis of Insurance Pricing under Various Scenarios of Climate Change and Adaptation Measures” (with Erwann Michel-Kerjan and Nicola Ranger). *Climatic Change* (Volume 118, Issue 2, pp 339-354).

“Catastrophe Risk Models for Evaluating Disaster Risk Reduction Investments in Developing Countries” (with Michel-Kerjan, E., Hochrainer-Stigler, S., Linnerooth-Bayer, J., Mechler, R., Muir-Wood, R., Ranger, N., Vaziri, P., Young, M.). *Risk Analysis* 33(6): 984–999, June 2013). DOI: 10.1111/j.1539-6924.2012.01928.x

“Improving Insurance Decision Making” (with Mark Pauly), *RegBlog* - University of Pennsylvania Law School, March 4, 2013.

“Protective measures, personal experience, and the affective psychology of time” (with Ellen Peters, Namika Sagara, Paul Slovic, Dan R. Schley) *Risk Analysis* Vol. 32, No. 12 (2012).

“Overcoming Decision Biases to Reduce Losses from Natural Catastrophes” (with Robert Meyer and Erwann Michel-Kerjan), *Behavioral Foundations of Policy*, E. Shafir (ed.) Princeton University Press (2013).

“Single-Year and Multi-Year Insurance Policies in a Competitive Market” (with Paul R. Kleindorfer and Chieh Ou-Yang), *Journal of Risk and Uncertainty*, 45(1):45-78. 2012

“Does Private Insurance Reduce Environmental Accidents?” (with Haitao Yin and Matthew W. White). *Regulation. The Cato Review of Business and Government*. 35(2): 36-46, August 2012.

“Policy Tenure under the National Flood Insurance Program,” (with Erwann Michel-Kerjan and Sabine Lemoyne de Forges). *Risk Analysis* (2012) 32(4): 644-658. DOI: 10.1111/j.1539-6924.2011.01671.x

“Tipping Climate Negotiations” (with Geoffrey Heal). In: *Climate Change and Common Sense: Essays in Honour of Tom Schelling*. R. Hahn and A. Ulph (eds.) Oxford University Press (2012).

“Redesigning Flood Insurance” (with Erwann Michel-Kerjan), *Science*, Vol. 333, July 22, 2011.

“Protecting Against Low Probability Disasters: The Role of Worry” (with Christian Schade and Philipp Koellinger) *Journal of Behavioral Decision Making*,. 25(5): 534–543 December 2012

“Guaranteed Renewability Uniquely Prevents Adverse Selection in Individual Health Insurance” (with Mark Pauly, Kai Menzel, and Richard A. Hirth). *Journal of Risk and Uncertainty*. (2011) 43:127–139.

“Reducing the Risks of Catastrophes” *NBER Reporter 2011*, Number 1: Research Summary. January, 2011.

“Is Imprecise Knowledge Better than Conflicting Expertise? Evidence from Insurers’ Decisions in the United States” (with Laure Cabantous, Denis Hilton, and Erwann Michel-Kerjan). *Journal of Risk and Uncertainty*, 42(3): 211-232.

“Can Environmental Insurance Succeed Where Others Fail? Conceptual Framework & The Case Of Underground Storage Tanks” (with Haitao Yin and Alexander Pfaff). *Risk Analysis*, 2011. 31(1): 12-24.

“A policy maker's dilemma: Preventing terrorism or preventing blame” (with Peter McGraw and Alexander Todorov). *Organizational Behavior and Human Decision Processes* 115 (2011) 25–34.

“Long-Term Property Insurance” (with Dwight Jaffee and Erwann Michel-Kerjan). *Journal of Insurance Regulation* 2010 Issue, (29)7: pp. 167-187. (Winner of the 2010 Spencer L. Kimball Article Award.)

“Procedures for Dealing with Transboundary Risks in Siting Noxious Facilities” In: *Facility Siting in the Asia-Pacific Perspectives on Knowledge Production and Utilisation*” Kin Che Lam, Hayden Lesbirel and Tung Fung (eds.), Hong Kong, Chinese University Press (2012)

“Risk-Based Pricing and Risk-Reducing Effort: Does the Private Insurance Market Reduce Environmental Accidents?” (with Haitao Yin and Matthew White), *Journal of Law & Economics*, Vol. 54, No. 2 (May 2011), pp. 325-363

“Costs (economic) of natural hazards and disasters,” (with E. Michel-Kerjan) In: P. Bobrowsky (ed.) *Encyclopedia of Natural Hazards*, Springer (September 2011)

"Market and Government Failure in Insuring and Mitigating Natural Catastrophes: How Long-Term Contracts Can Help" (with E. Michel-Kerjan) in *The Economics of Natural and Unnatural Disasters*. (W. Kern (ed.), Kalamazoo, MI: Upjohn Institute Press (2010)

"Market and Government Failure in Insuring and Mitigating Natural Catastrophes: How Long-Term Contracts Can Help" (with E. Michel-Kerjan) in *Public Insurance and Private Markets*, Jeffrey R. Brown, (ed.), AEI Press (2010).

"Reflections and Guiding Principles for Dealing with Societal Risks." In: *The Irrational Economist: Overcoming Irrational Decisions in a Dangerous World*, E. Michel-Kerjan and P. Slovic, (eds.) New York, PublicAffairs Books, 2010.

"Insuring Against Catastrophes" (with Mark Pauly) in *The Known, the Unknown and the Unknowable in Financial Risk Management*, F. X. Diebold, N. Doherty, and R. Herring (eds.), Princeton: Princeton University Press. 2010

Social Reinforcement: Cascades, Entrapment and Tipping" (with Geoffrey Heal). *American Economic Journal: Microeconomics*, Vol. 2, No. 1, February 2010 (pp. 86-99)

"Environmental Assets & Liabilities: Dealing with Catastrophic Risks" (with Geoffrey Heal). In: *Measuring and Managing Federal Financial Risk*, D. Lucas (ed.) University of Chicago Press (2010)

"Group Cooperation under Uncertainty" (with Min Gong and Jonathan Baron), *Journal of Risk and Uncertainty* Vol. 39, Number 3, December, 2009

"Bayesian Analysis of Deterministic and Stochastic Prisoner's Dilemma Games" (with Gabriel Silvasi, Eric T. Bradlow, and Dylan Small). *Judgment and Decision Making*, Vol. 4, No. 5, August 2009, pp. 363–384.

"The Development of New Catastrophe Risk Markets (with Erwann Michel-Kerjan), *Annual Review of Resource Economics*, 2009, Vol. 1, Issue 1, pp. 119-139

"The Weakest Link: Risk Management Strategies for Dealing with Interdependencies." In: *The Network Challenge: New Competencies and Strategies for an Interlinked World*, Paul R. Kleindorfer and Yoram Wind (eds.), Wharton School Publishing, Upper Saddle River, NJ: 2009.

"Has the Time Come for Comprehensive Natural Disaster Insurance?" Reprinted in *Disaster Insurance*, Institute of Chartered Financial Analysts of India (Icfai) University Press, August 2008.

"Reducing the Impact of Natural Disasters: The Insurance and Mitigation Challenge", "A New Era of Large-scale Natural Disasters"; "The Role of Cost-Benefit Analysis in Evaluating Mitigation Measures for Natural Disasters"; "Risk Perception and Choice in Homeowners Adoption of Mitigation Measures: The Need For Long-term Contracts" (with Erwann Michel-Kerjan), Book chapters in Organization for Economic Cooperation and Development (OECD) publication.

"A Theoretical Framework for Goal-Based Choice and for Prescriptive Analysis" (with K. Carlson, et al.), *Marketing Letters*, 19(3), 241-254.

"Long-Term Insurance for Reducing Losses from Catastrophic Risks." *Social Research*. 75:3. pp.905-930.

“Catastrophe Insurance: Challenges for the U.S. and Asia,” in *Asian Catastrophe Insurance*, Risk Books, a Division of Incisive Financial Publishing Ltd: London (2008).

“Adverse selection,” “Correlated risks and insurance,” “Hazards insurance: A brief history,” “Insurability conditions,” “Insurance: Basic concepts,” and “Moral hazard” in *Encyclopedia of Quantitative Risk Assessment*, John Wiley & Sons (July 2008).

“Comprehensive disaster insurance: will it help in a post-Katrina world?” in *Natural Disaster Analysis After Hurricane Katrina: Risk Assessment, Economic Impacts and Social Implications* (edited by Harry W. Richardson, Peter Gordon and James E. Moore II) Edward Elgar Publishing, Ltd. (July 2008).

“Reflections on U.S. Disaster Insurance Policy for the 21st Century,” in *Risking House and Home: Disasters, Cities, Public Policy*, John M. Quigley and Larry A. Rosenthal, (eds.), Berkeley: Berkeley Public Policy Press (2008).

“Self-protection and insurance with interdependencies,” (with Alexander Muermann) *Journal of Risk and Uncertainty* (2008) 36:103–123.

“Insurance and risk mitigation: lessons from natural catastrophe insurance in the United States,” in *Global Risks Report 2008*, World Economic Forum, Davos, January, 2008.

“An Empirical Analysis of the Terrorism Risk Insurance Act (TRIA),” (with E. Michel-Kerjan) in Harry W. Richardson, Peter Gordon, and James E. Moore II (eds.), *The Economic Costs And Consequences of Terrorism*, Elgar Publishing. (2007).

“Operations Risk Management: Overview of Paul Kleindorfer’s Contributions,” (with Morris Cohen), in *Production and Operations Management*, Vol. 16, No. 5, September-October 2007, pp. 525-541.

“Modeling Interdependent Risks” (with Geoffrey Heal), in *Risk Analysis*, Vol. 27, No. 3, 2007. pp. 621-634.

“Climate Change, Insurability, and Liability” (with Erwann Michel-Kerjan), *University of Pennsylvania Law Review*, Vol. 155, No. 6, June 2007, pp. 1795-1842.

“Goals and Plans in Decision Making” (with David Krantz), in *Judgment and Decision Making*, Vol. 2, No. 3, June 2007, pp. 137-168.

“You Can Only Die Once: Interdependent Security in an Uncertain World” (with Geoffrey Heal), in *The Economic Impacts of Terrorist Attacks*, edited by H.W. Richardson, P. Gordon, and J.E. Moore, III, Northampton, MA: Edward Elgar Publishers, 2006. pp 35-56.

“Looking Beyond TRIA: A Clinical Examination of Potential Terrorism Loss Sharing” (with Erwann Michel-Kerjan), in *Seeds of Disaster, Roots of Response: How Private Action Can Reduce Public Vulnerability*, P. Auerswald, L. Branscomb, T. LaPorte, and E. Michel-Kerjan, New York: Cambridge University Press, 2006.

- “Interdependent Security in Interconnected Networks” (with Geoffrey Heal, Michael Kearns, and Paul Kleindorfer), in *Seeds of Disaster, Roots of Response: How Private Action Can Reduce Public Vulnerability*, P. Auerswald, L. Branscomb, T. LaPorte, and E. Michel-Kerjan, New York: Cambridge University Press, 2006.
- “Rules Rather than Discretion: Lessons from Hurricane Katrina,” (with Mark Pauly) in *Journal of Risk and Uncertainty*, Vol. 33, No. 1-2, Sept 2006.
- “Risk and Reaction: Dealing with Interdependencies,” *Harvard International Review*, Vol. 28 (3) “*Global Catastrophe: To Predict and Prevent*,” Fall 2006.
- “Modeling the ‘Pseudodeductible’ in Insurance Claims Decisions” (with Michael Braun, Peter S. Fader, and Eric T. Bradlow). *Management Science*, Vol. 52, No. 8, August 2006.
- “New Catastrophe Models for Hard Times” (with Patricia Grossi). *Contingencies*, March/April 2006.
- “Disaster Mitigation and Insurance: Learning from Katrina.” *ANNALS*, AAPSS, 604, March 2006.
- “Has the Time Come for Comprehensive Natural Disaster Insurance?” In *On Risk and Disaster: Lessons from Hurricane Katrina*, Ronald J. Daniels, Donald F. Kettl and Howard C. Kunreuther (eds.), Philadelphia: University of Pennsylvania Press, 2006.
- “Mandating Insurance and Using Private Inspections to Improve Environmental Management” (with Shelley Metzenbaum and Peter Schmeidler), published in *Leveraging the Private Sector: Management-Based Strategies for Improving Environmental Performance*. Resources for the Future Press (2006).
- “Terrorism Insurance 2005. Where Do We Go From Here?” (with Erwann Michel-Kerjan), *Regulation Magazine*, *The CATO Institute*, Washington, DC, Spring 2005.
- “Interdependencies within an Organization” (with Geoffrey Heal), published in *Organizational Encounters with Risk*, B. Hutter and M. Powers (eds.). Cambridge University Press, 2005.
- “IDS Models of Airline Security” (with Geoffrey Heal). *Journal of Conflict Resolution* (2005).
- “TRIA and Beyond: Where Do We Stand” (with Erwann Michel-Kerjan). *Regulation* (2005).
- “Policy Watch: Challenges for Terrorism Risk Insurance in the United States” (with Erwann Michel-Kerjan). *Journal of Economic Perspectives* 18(4): 201-214, Fall 2004.
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