

## *CURRICULUM VITAE*

### **DETLOF VON WINTERFELDT**

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#### **SUMMARY**

Detlof von Winterfeldt is a Professor of Industrial and Systems Engineering in the Viterbi School of Engineering and a Professor of Public Policy and Management in the School of Policy, Planning, and Development at the University of Southern California (USC). He also is the Director of the National Center for Risk and Economic Analysis of Terrorism Events (CREATE), the first university-based center of excellence funded by the Department of Homeland Security. For the past thirty years, he has been active in teaching, research, university administration, and consulting. He has taught courses in statistics, decision analysis, risk analysis, systems analysis, research design, and behavioral decision research. His research interests are in the foundation and practice of decision and risk analysis as applied to the areas of technology development, environmental risks, natural hazards and terrorism. He is the co-author of two books, two edited volumes, and author or co-author of over 100 journal articles and book chapters on these topics. As a consultant he has applied decision and risk analysis to many management problems of government and private industry. He has served on several committees and panels of the National Science Foundation and the National Academies (NAS), including a recent appointment to the NAS Board on Mathematical Sciences and their Applications. He is a fellow of the Institute for Operations Research and the Management Sciences (INFORMS) and of the Society for Risk Analysis. In 2000, he received the Ramsey Medal for distinguished contributions to decision analysis from the Decision Analysis Society of INFORMS.

#### **EDUCATION**

1976	Ph.D.,	University of Michigan, Ann Arbor - Mathematical Psychology.
1971	M.S.,	University of Hamburg, Germany - Psychology.
1969	B.S.,	University of Hamburg, Germany – Psychology, Minor in Philosophy

#### **PROFESSIONAL APPOINTMENTS**

2006-	Professor of Industrial and Systems Engineering, Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California (USC)
2004-	Director, National Center for Risk and Economic Analysis of Terrorist Events (CREATE), USC (co-director until July, 2005)
2003-2005	Deputy Dean, School of Policy, Planning, and Development, USC
2001-2003	Associate Dean for Faculty Affairs and Research, School of Policy, Planning, and Development, USC
1998-	Professor of Public Policy and Management, School of Policy, Planning, and Development, USC
1998-2005	Director, Institute of Civic Enterprise, School of Policy, Planning, and Development, USC
1997-1998	Professor of Planning, School of Urban Planning and Development, USC
1989-1990	Visiting Professor, Institute for Mathematical Behavioral Sciences, University of California at Irvine
1987-1988	Chairman, Department of Systems Science, Institute for Safety and Systems Management, USC
1987-1997	Professor of Systems Science, Department of Systems Science, Institute of Safety and Systems Management, USC
1986-1988	Chairman, Research Center, Institute of Safety and Systems Management, USC
1982-1987	Associate Professor, Department of Systems Science, Institute for Safety and Systems Management, USC
1978-1986	Research Associate, Social Science Research Institute, USC
1975-1978	Research Scholar, International Institute for Applied Systems Analysis, Laxenburg, Austria

### **SELECTED AWARDS**

2004	Fellow, Institute for Operations Research and Management Science
2004	Franklin Award for Outstanding Contributions to SPPD, USC
2000	Frank P. Ramsey Medal for Distinguished Contributions to the Field of Decision Analysis, Decision Analysis Society of INFORMS
2000	Distinguished Service Award, Society for Risk Analysis
1999	Franklin Award for Outstanding Faculty, SPPD, USC
1997	Finalist, Franz Edelman Award for Achievement in Operations Research and the Management Sciences
1994	Fellow, Society for Risk Analysis
1987	USC Faculty Recognition Award, Phi Kappa Phi, Honorable Mention (for the book <i>Decision Analysis and Behavioral Research</i> )
1970	Fulbright Scholarship

### **EDITORIAL BOARDS**

2005-	Member, Editorial Board, <i>Decision Analysis</i>
2003-2005	Department Editor for Decision Analysis, <i>Management Science</i>
1998-	Member, Editorial Board, <i>Risk Decision and Policy</i>
1997-2000	Area Editor, Social Science and Decision Making, <i>Risk Analysis</i>
1991-2000	Member, Editorial Board, <i>Journal of Behavioral Decision Making</i>
1988-2000	Member, Editorial Board, <i>Risk Abstracts</i>
1988-	Member, Editorial Board, <i>Risk Analysis</i>
1989-1994	Associate Editor, <i>Management Science</i>
1982-1987	Associate Editor, <i>Operations Research</i>

### **MEMBERSHIPS AND POSITIONS IN PROFESSIONAL SOCIETIES**

1998-2000	Chairman, Decision Analysis Society
1996-2001	Member, Society for Medical Decision Making
1996-1998	Chairman-Elect, Decision Analysis Society
1995-1996	Council Member, Decision Analysis Society
1995-	Member, INFORMS
1985-	Member, Society for Judgment and Decision Making
1983-	Member, Society for Risk Analysis
1980-1995	Member, Operations Research Society of America
1980-1995	Member, Institute for the Management Sciences

### **SELECTED SCIENTIFIC PANELS AND REVIEW BOARDS**

2007-	Member, Committee on Decision Making Under Uncertainty, Institute of Medicine, National Academies
2004-2006	Member, Committee on Defense Modeling, Simulation, and Analysis, National Academies
2004	Member, Panel on Human Dynamics of Global Change, National Science Foundation (NSF)
2003-2006	Member, Board on Mathematical Sciences and their Applications, National Academies
2003-2006	Member, Senior Advisory Panel, Center for Global Security Research, Lawrence Livermore National Laboratories and the International Institute for Strategic Studies, Washington DC and London
2003-2005	Member, Committee on the Transportation of Nuclear Waste, National Research Council
2002-2004	Member, Committee on the Characterization and Transportation of Transuranic Waste, National Research Council
2001-2002	Member, Committee on Alternatives for Controlling the Release of Solid Materials from Nuclear Regulatory Commission-Licensed Facilities, National Research Council
2000	Member, Panel on the EPA/NSF Program for Environmental Statistics, National Science Foundation and Environmental Protection Agency
2000-2001	Member, Committee for the Impact of Low-Level Radioactive Waste Management Policy on Biomedical Research in the United States, National Research Council

1998-2000	Member, Panel on Protecting the Health of U.S. Deployed Forces.
1997-1999	Board on Army Science and Technology, National Research Council
1995	Consultant, Committee on DOE's Decision-Making Processes, Board
Environmental	on Radioactive Waste Management, National Research Council
	Member, Selection Panel for the National Center on
	Decision Making and the National Center for Global Change, NSF
1990-1992	Member, Advisory Panel for the Decision, Risk, and Management
	Science Program, NSF
1990	Chairman, Committee of Visitors, Social and Economic Sciences, NSF
1989	Member, Selection Panel for the Presidential Young Investigator
	Awards (Social and Economic Sciences), NSF
1987-1988	Member, Committee on Risk Perception and Risk Communication,
	National Academy of Sciences, Washington, DC
1985-1986	Consultant, Board on Radioactive Waste Management, National
	Research Council, Washington, DC

### **SELECTED CONSULTANCIES**

2006-	University of Massachusetts, Amherst
2005-	Electric Power Research Institute, Palo Alto, CA
2004-2005	Southern California Edison
2003-2006	Lawrence Livermore National Laboratory
2002-2004	U.S. Department of Energy, Washington, DC
1998	Science Applications International Corporation, Abingdon, MD
1996-2002	California Department of Health Services, Berkeley, CA
1993-1996	U.S. Department of Energy, Washington, DC
1993-1996	Fluor Daniel Inc., Irvine, CA
1991-1995	Argonne National Laboratory, Argonne, IL
1990-1996	Los Alamos National Laboratory, Los Alamos, NM
1989-2003	Battelle-Pacific Northwest Laboratories, Richland, WA
1988-1989	Chevron Corporation, San Francisco, CA
1987-2000	Sandia National Laboratories, Albuquerque, NM
1986-2000	Electric Power Research Institute, Palo Alto, CA
1985	Environmental Protection Agency, Washington, DC
1984-1990	Nuclear Research Facility, Juelich, Germany
1982-1996	Joint Research Center of the European Communities, Ispra, Italy
1980	U.S. General Accounting Office, Washington, DC

## RESEARCH CONTRACTS AND GRANTS

(Approximate dollar amounts in brackets; total funding of approximately \$30 million)

2007-2008	Principal Investigator, "Estimating behavioral changes for transportation modes after terrorist attacks in London, Madrid, and Tokyo." Metropolitan Transportation Research Center, University of Southern California, Los Angeles, CA. (\$90,000).
2007-2010	Principal Investigator, "CREATE Homeland Security Educational and Career Development Program," Department of Homeland Security, Washington, DC. (\$480,000)
2007-2010	Principal Investigator, "Homeland Security Center for Risk and Economic Analysis of Terrorism Events". Department of Homeland Security, Washington, DC. (\$12 million)
2007-	Principal Investigator, "Utility of critical infrastructure vulnerability assessment methodologies," National Center for Food Defense and Protection, Minneapolis, MN. (\$57,470).
2007	Principal Investigator, "Risk analysis and risk management," Immigration and Customs Enforcement, Washington, DC (\$25,000)
2007	Principal Investigator, "Macroeconomic analysis of a shutdown of the US borders to goods, travel, and migration" Department of Homeland Security, Washington, DC. (\$50,000).
2005-	Principal Investigator, "Support for the National Center for Foreign Animal and Zoonotic Disease Defense," Texas A&M University, College Station, Texas (\$880,000).
2004-2007	Principal Investigator, "Homeland Security Center for Risk and Economic Analysis of Terrorism Events." Department of Homeland Security, Washington, DC. (\$12 million)
1999-2008	Principal Investigator. "Hospital rehabilitation decision analysis." Multidisciplinary Center for Earthquake Engineering Research (MCEER), State University of New York at Buffalo (NSF Center), Buffalo, New York. (\$220,000)
1999-2002	Co-Principal Investigator. "Improving infrastructure decisions." Institute for Civil Infrastructure Systems (ICIS), New York University (NSF Center), New York. (\$100,000)
1998-2002	Principal Investigator, "Probability elicitation with groups of experts." National Science Foundation, Washington, DC. (\$220,000)
1993-1996	Principal Investigator, "Utility theories with status quo and reference effects." National Science Foundation, Washington, DC. (\$125,000)
1991-1996	Principal Investigator, "Integrated EMF Risk Management Project." Electric Power Research Institute, Palo Alto, CA. (\$750,000)
1990-1993	Co-Principal Investigator, "Analysis of strategic government decisions." National Science Foundation, Washington, DC. (\$150,000)
1989-1991	Principal Investigator, "Communicating multiattribute risks." Risk Sciences Institute, International Life Sciences Institute, Washington, DC.
	(\$90,000)
1989	Principal Investigator, "Development of a decision framework for improving the environmental impact statement." Council on Environmental Quality, Washington, DC. (\$25,000)

- 1988-1989 Co-Principal Investigator, "Risk scales." Electric Power Research Institute, Palo Alto, CA. (\$60,000)
- 1986-1989 Co-Principal Investigator, "A methodology to evaluate the indirect health and safety risks of regulation." National Science Foundation, Washington, DC. (\$90,000)
- 1986-1988 Principal Investigator, "The significance of value structures for formal evaluation." National Science Foundation, Washington, DC. (\$150,000)
- 1986-1988 Co-Principal Investigator, "Development of a framework to constructively involve stakeholders in a comprehensive evaluation of alternatives involving complex technological issues." Electric Power Research Institute, Palo Alto, CA. (\$60,000)
- 1985-1987 Principal Investigator, "Risk communication." Environmental Protection Agency, subcontract with Putnam-Hayes, Washington, DC. (\$25,000)
- 1985-1989 Principal Investigator, "Description, review and evaluation of the scientific bases of assumptions made in risk assessment." National Science Foundation, Washington, DC. (\$300,000)
- 1985-1987 Principal Investigator, "Communicating risk information to laypersons: a review and assessment of the literature." National Science Foundation, Washington, DC. (\$150,000)
- 1985-1986 Co-Principal Investigator, "Development of a workbook for structuring objectives." Electric Power Research Institute, Palo Alto, CA. (\$50,000)
- 1984-1986 Principal Investigator, "Risk perception, risk acceptance, and risk communication: An assessment of the state of knowledge." National Science Foundation, Washington, DC. (\$150,000)
- 1982-1983 Principal Investigator, "On the relevance of the value-utility distinction for decision analysis." National Science Foundation, Washington, DC. (\$75,000)
- 1982 Co-Principal Investigator, "Development of a multiattribute prioritization system for evaluating research products and systems." US. Army Corps of Engineers, Champaign, IL. (\$25,000)
- 1981-1983 Co-Principal Investigator, "Towards developing methods for understanding public responses to risky technologies." National Science Foundation, Washington, DC. (\$250,000)
- 1981-1982 Co-Principal Investigator, "Validation of multiattribute utility structures." Advanced Research Projects Agency, Washington, DC. (\$200,000)
- 1979-1981 Co-Principal Investigator, "Decision analysis and behavioral decision theory." Office of Naval Research, Washington, DC. (\$100,000)
- 1979-1980 Co-Principal Investigator, "Development of a methodology for the evaluation of risk estimates for nuclear electric power plants." Sandia National Laboratories, Albuquerque, NM. (\$75,000)

## **PUBLICATIONS: Books and Edited Volumes**

von Winterfeldt, D. & Edwards, W. *Decision analysis and behavioral research*. 2<sup>nd</sup> edition, Miami, FL: Probabilistic Publishing (forthcoming).

Edwards, W., Miles, R.F., & von Winterfeldt, D. (2007). *Advances in Decision Analysis: From foundations to applications*. New York: Cambridge University Press.

Bier, V. & von Winterfeldt, D. *Terrorism Risk Analysis*. (2007). Special Volume of the Journal *Risk Analysis*, 27, pp. 503-634.

von Winterfeldt, D. & Edwards, W. (1986). *Decision analysis and behavioral research*. New York: Cambridge University Press.

Keeney, R.L., Renn, O., von Winterfeldt, D., & Kotte, U. (1984). *Die Wertbaumanalyse. Entscheidungshilfe fuer die Politik* (Value tree analysis: Decision support for public policy). Munich, West Germany: High Tech Press.

## **PUBLICATIONS: Articles in Refereed Journals (57)**

von Winterfeldt, D. (and seven co-authors). (2007). A theoretical framework for goal-based choice and for prescriptive analysis. Submitted to *Marketing Letters*.

Kavet, R., Mohan, M., & von Winterfeldt, D. (2007). A new paradigm for assessing the value of environmental research. Submitted to *Decision Analysis*.

Rosoff, H., & von Winterfeldt, D. (2007). A risk and economic analysis of dirty bomb attacks on the ports of Los Angeles and Long Beach, *Risk Analysis*, 27, pp. 533-546.

Keeney, R., See, K., & von Winterfeldt, D. (2006). Evaluating interdisciplinary academic programs: Applications to U.S. graduate decision programs, *Operations Research*, 17, pp.1-16.

von Winterfeldt, D., & O'Sullivan, T. (2006). Should we protect commercial airplanes against surface-to-air missile attacks by terrorists?, *Decision Analysis*, 3, 63-75.

Smith, J.E. and von Winterfeldt, D. (2004). Decision analysis in management science. *Management Science*, 50, pp. 561-574.

von Winterfeldt, D., Eppel, T., Adams, J., Neutra, R., DelPizzo, V. (2004). Managing potential health risks from electric powerlines: A decision analysis caught in controversy. *Risk Analysis*, 24, pp. 1487-1502.

Bruneau, M., Chang, S.E., Eguchi, R.T., Lee, G., O'Rourke, T.D., Reinhorn, A., Shinozuka, M., Tierney, K., Wallace, W.A., & von Winterfeldt, D. (2003). A framework to quantitatively assess and enhance the seismic resilience of communities. *Earthquake Spectra*, 34, pp. 27-65.

- Dillon, R., John, R. & Winterfeldt, D. (2002). Assessment of cost uncertainties for large technology projects: A methodology and an application. *Interfaces: An International Journal of the Institute for Operations Research and the Management Sciences*, 32, pp. 52-66.
- Keeney, R.L. & von Winterfeldt, D. (2001). Appraising the precautionary principle – a decision analysis perspective. *Journal of Risk Research*, 4, pp. 191-202.
- von Winterfeldt, D. (and twenty co-authors). (2001). Benchmark exercise on expert judgment techniques in PSA Level 2. *Nuclear Engineering and Design*, 209, pp.211-221.
- Dillon, R. & von Winterfeldt, D. (2000). An analysis of the implications of a magnetic field threshold limit value on utility practices. *American Industrial Hygiene Association Journal*, Vol. 61, pp 76-81.
- von Winterfeldt, D. & Schweitzer, E. (1998). An assessment of tritium supply alternatives in support of the U.S. nuclear weapons stockpile. *Interfaces: An International Journal of The Institute for Operations Research and the Management Sciences*, 28, pp. 92-112.
- von Winterfeldt, D., Chung, N.-K., Luce, R.D. & Cho, Y. (1997). Tests of consequence monotonicity in decision making under uncertainty. *Journal of Experimental Psychology: Learning, Memory and Cognition*, 23, pp. 1-23.
- Hora, S. & von Winterfeldt, D. (1997). Nuclear waste and future societies: A look into the deep future. *Technological Forecasting and Social Change*, 56, pp. 155-170.
- von Winterfeldt, D. & Trauger, T. (1996). Managing electromagnetic fields from home grounding systems. *Bioelectromagnetics*, 17, pp. 71-84.
- Gregory, R. & von Winterfeldt, D. (1996). The effects of electromagnetic fields from transmission lines on public fears and property values. *Journal of Environmental Management*, 48, pp. 1-14.
- Cho, Y., Luce, R.D., & von Winterfeldt, D. (1994). Tests of assumptions about the joint receipt of gambles in rank- and sign-dependent utility theory. *Journal of Experimental Psychology: Human Perception and Performance*, 20, No. 5, pp. 931-943.
- Chung, N.K., von Winterfeldt, D., & Luce, R.D. (1994). An experimental test of event commutativity in decision making under uncertainty. *Psychological Science*, 5, No. 6, pp. 394-400.
- Luce, R.D. & von Winterfeldt, D. (1994). What common ground exists for descriptive, prescriptive, and normative utility theories? *Management Science*, 40, pp. 263-279.

- Keeney, R.L. & von Winterfeldt, D. (1994). Managing nuclear waste from power plants. *Risk Analysis*, *14*, pp. 107-130.
- Von Winterfeldt, D. & Trauger, T. Managing electromagnetic fields from residential electrode grounding systems: A pre-decision analysis. *Bioelectromagnetics*, *17*, pp. 71-84.
- Otway, H.J. & von Winterfeldt, D. (1992). Expert judgment in risk analysis and management: Process, context, and pitfalls. *Risk Analysis*, *12*, pp. 83-93.
- Gregory, R., Keeney, R.L., & von Winterfeldt, D. (1992). Adapting the environmental impact statement process to inform decision makers. *Journal of Policy Analysis and Management*, *18*, pp. 231-245.
- Borcherding, K., Eppel, T., & von Winterfeldt, D. (1991). Comparison of weighting judgments in multiattribute utility measurement. *Management Science*, *37*, pp. 1603-1619.
- Keeney, R.L. & von Winterfeldt, D. (1991). Eliciting probabilities from experts in complex technical problems. *IEEE Transactions on Engineering Management*, *38*, pp. 191-201.
- Keeney, R.L. & von Winterfeldt, D. (1991). A prescriptive risk framework for individual health and safety decisions. *Risk Analysis*, *11*, pp. 523-533.
- Keeney, R.L., von Winterfeldt, D., & Eppel, T. (1990). Eliciting public values for complex policy decisions. *Management Science*, *36*, pp. 1011-1030.
- Keeney, R.L. & von Winterfeldt, D. (1989). On the use of expert judgment on complex technical problems. *IEEE Transactions on Engineering Management*, *36*, pp. 83-86.
- von Winterfeldt, D. (1989). A re-examination of the normative-descriptive distinction in decision analysis. *Annals of Operations Research*, *19*, pp. 499-502.
- von Winterfeldt, D. (1989). Whose opinion are we eliciting: the expert's or the analyst's? *Reliability Engineering and Systems Safety*, *5*, pp. 8-12.
- von Winterfeldt, D. (1988). Expert systems and behavioral decision research. *Decision Support Systems*, *4*, pp. 461-471.
- von Winterfeldt, D. (1988). User-model interaction in decision support systems for risk management. *Annals of Operations Research*, *16*, pp. 185-198.
- Borcherding, K. & von Winterfeldt, D. (1988). The effect of varying value trees on multiattribute evaluations. *Acta Psychologica*, *68*, pp. 153-170.
- Weber, M., Eisenfuehr, F., & von Winterfeldt, D. (1988). The effects of splitting attributes on weights in multiattribute utility measurement. *Management Science*, *34*, pp. 431-445.

- von Winterfeldt, D., Eppel, T., & Ford, C. (1988). An experimental investigation of plural analysis: Estimating the market share of compact disc players in 1990. *Behavioral Science*, 33, pp. 187-195.
- Keeney, R.L. & von Winterfeldt, D. (1988). Probabilities are useful to quantify expert opinions in complex technical problems. *Reliability Engineering and Systems Safety*, 23, pp. 293-298.
- Edwards, W. & von Winterfeldt, D. (1987). Public values in risk debates. *Risk Analysis*, 7, pp. 141-158.
- Stillwell, W.G., von Winterfeldt, D., & John, R.S. (1987). Comparing hierarchical and non-hierarchical weighting methods for eliciting multiattribute value models. *Management Science*, 33, pp. 442-450.
- Keeney, R.L., Renn, O., & von Winterfeldt, D. (1987). Structuring West Germany's energy objectives. *Energy Policy*, August, pp. 352-362.
- Keeney, R.L. & von Winterfeldt, D. (1986). Why indirect health risks of regulations should be examined. *Interfaces*, 16, pp. 13-27.
- Keeney, R.L. & von Winterfeldt, D. (1986). Improving risk communication. *Risk Analysis*, 6, pp. 417-424.
- Edwards, W. & von Winterfeldt, D. (1986). Cognitive illusions and their implications for the law. *Southern California Law Review*, 59, pp. 225-276.
- Cohen, M.D., Huber, G., Keeney, R.L., Levis, A.H., Lopes, L.L., Sage, A.P., Sen, S., Whinston, A.B., Winkler, R.L., von Winterfeldt, D., & Zadeh, L. (1985). Research needs and the phenomena of decisionmaking and operations. *IEEE Transactions on Systems, Man, and Cybernetics*, SMC-15, pp. 764-775.
- Barron, F.H., von Winterfeldt, D., & Fischer, G.W. (1984). Empirical and theoretical relationships between value and utility functions. *Acta Psychologica*, 56, pp. 233-244.
- Marks, G. & von Winterfeldt, D. (1984). "Not in my back yard": Influence of motivational concerns on judgments about a risky technology. *Journal of Applied Psychology*, 69, pp. 408-415.
- von Winterfeldt, D. & Edwards, W. (1984). Patterns of conflicts about risky technologies. *Risk Analysis*, 4, pp. 55-68.
- Ikeda, S. & von Winterfeldt, D. (1982). Standards against noise pollution: The case of Shinkansen trains in Japan. *Journal of Environmental Management*, 14, pp. 3 - 16.

- von Winterfeldt, D. (1982). Setting standards for offshore oil discharges: A regulatory decision analysis. *Operations Research*, 14, pp. 247-256.
- von Winterfeldt, D. & Edwards, W. (1982). Costs and payoffs in perceptual research. *Psychological Bulletin*, 91, pp. 609-622.
- Otway, H.J. & von Winterfeldt, D. (1982). Beyond acceptable risk: On the social acceptability of technologies. *Policy Sciences*, 14, pp. 247-256.
- von Winterfeldt, D., John, R.S., & Borchering, K. (1981). Cognitive components of risk ratings. *Risk Analysis*, 1, pp. 277-287.
- von Winterfeldt, D. (1980). Additivity and expected utility in risky multiattribute preferences. *Journal of Mathematical Psychology*, 21, pp. 66-82.
- von Winterfeldt, D. (1980). Structuring decision problems for decision analysis. *Acta Psychologica*, 45, pp. 71-93. (Polish translation in *Praxiology*, 1983.)
- Seaver, D.A., von Winterfeldt, D., & Edwards, W. (1978). Eliciting subjective probability distributions on continuous variables. *Organizational Behavior and Human Performance*, 21, pp. 379-391.
- Fischer, D.W. & von Winterfeldt, D. (1978). Setting standards for chronic oil discharges in the North Sea. *Journal of Environmental Management*, 7, pp. 177-199.

#### **PUBLICATIONS: Book Chapters and Conference Proceedings (45)**

- Southwell, C. & von Winterfeldt, D. A decision analysis of options to rebuild the New Orleans levee system. In Richardson, H., Gordon, P., and Moore, J. (eds.) *Risk and economic impacts of hurricane Katrina*. London: Elgar (forthcoming)
- Edwards, W., Miles, R.F., & von Winterfeldt, D. (2007). Introduction. In W. Edwards, R.F. Miles, & D. von Winterfeldt (Eds.) *Advances in Decision Analysis: From Foundations to Applications*. New York: Cambridge University Press, pp.1-12.
- von Winterfeldt, D. (2007). Defining a decision analytic structure. In W. Edwards, R.F. Miles, & D. von Winterfeldt (Eds.) *Advances in Decision Analysis: From Foundations to Applications*. New York: Cambridge University Press, pp.81-103.
- Keeney, R. and von Winterfeldt, D. (2007). Practical value models. In W. Edwards, R.F. Miles, & D. von Winterfeldt (Eds.) *Advances in Decision Analysis: From Foundations to Applications*. New York: Cambridge University Press, pp. 232-252.
- von Winterfeldt, D. (2007). Choosing a tritium supply for nuclear weapons: A decision analysis caught in controversy. In W. Edwards, R.F. Miles, & D. von Winterfeldt (Eds.) *Advances in Decision Analysis: From Foundations to Applications*. New York: Cambridge University Press, pp. 514-538.

- von Winterfeldt, D. (2006). "A risk and decision analysis framework to protect New Orleans against another Katrina." In R. J. Daniels, D. F. Kettl, and H. Kunreuther (Eds.) *On risk and disaster*. Pittsburgh, PA: Pennsylvania State University Press. pp.27-39.
- Alesch, D.J., Dargush, G.F., Gregoriu, M., Petak, W.J., von Winterfeldt, D. (2003). Decision models: Approaches for achieving seismic resilience. *MCEER Research Progress and Accomplishments* (M. Bruneau, ed.), 2001-2003, 97-114.
- von Winterfeldt, D. (2001). *Decisions with multiple stakeholders and conflicting objectives*. In E. Weber, J. Baron, and G. Loomes (eds.) *Conflict and tradeoffs in decision making*. New York: Cambridge University Press, pp. 259-299.
- von Winterfeldt, D. & Zimmerman, R. (2001). Performance measurement for managing infrastructure assets. In S. Chase and E. Aktan (eds.) *Health Monitoring and Management of Civil Infrastructure Systems*. Bellingham: Society of Photo-Optical Instrumentation Engineers, pp. 28-36.
- McKone, T. & von Winterfeldt, D. (2000). Defining the decision framework and the value of exposure information in military deployments. In T. E. McKone, B.M. Huey, E. Downing, and L. Duffy (eds.) *Strategies to protect the health of the deployed U.S. forces*. Washington, D.C: National Academy Press.
- Edwards, W. & von Winterfeldt, D. (2000). On cognitive illusions and their implications. In T. Connolly, H.R. Arkes, and K.R. Hammond (eds.) *Judgment and decision making*. New York: Cambridge University Press, pp. 592-620 (reprinted from Southern California Law Review).
- von Winterfeldt, D. (1998). On the relevance of behavioral decision research for the practice of decision analysis. In J. Shanteau, B. Mellers, and D. Schum (eds.) *Decision research from Bayesian approaches to normative systems: Reflections on the contributions of Ward Edwards*. Norwell, MA: Kluwer, pp. 133-149.
- von Winterfeldt, D. (1997). Empirical tests of Luce's rank- and sign-dependent utility theory. In A.A.J. Marley (ed.) *Choice, decision, and measurement: Essays in honor of Duncan Luce*. New Jersey: Lawrence Erlbaum, pp. 25-44.
- Keeney, R.L., & von Winterfeldt, D. (1997). An evaluation of our national policy to manage nuclear waste from power plants. In M. Karwan, J. Spronk, and J. Wallenius (eds.) *Essays in decision making: A volume in honor of Stanley Zionts*. New York: Springer, pp. 371-390.
- von Winterfeldt, D. (1995). An assessment of major nuclear technologies using decision and risk analysis. In R. Hess (ed.) *Transactions of the 1995 Meeting of the American Nuclear Society, San Francisco, CA, October 29-November 2, 1995*. LaGrange Park, IL: American Nuclear Society.

- von Winterfeldt, D. (1992). Expert knowledge and public values in risk management: The role of decision analysis. In S. Krimsky and D. Golding. (eds.) *Social theories of risk*. Westport, CN: Praeger, pp. 321-342.
- Covello, V.T., Slovic, P., & von Winterfeldt, D. (1988). Disaster and crisis communications: Findings and implications for research and policy. In H. Jungermann, R.E. Kasperson, & P.M. Wiedemann (Eds.) *Risk Communication*. Juelich, FRG: Kernforschungsanlage Juelich, pp. 131-154.
- Edwards, W., von Winterfeldt, D., & Moody, D. (1988). Simplicity in decision analysis: An example and a discussion. In D.E. Bell, H. Raiffa, and A. Tversky (Eds.) *Decision analysis: Descriptive, normative, and prescriptive aspects*. New York: Cambridge University Press, pp. 443-464.
- Keeney, R.L. & von Winterfeldt, D. (1988). The analysis and its role for selecting nuclear repository sites. In G.K. Rand (Ed.) *Operational Research '87*, Amsterdam: Elsevier Science Publishers, pp. 686-701. (National contribution to the 11th International Conference on Operational Research in Buenos Aires, Argentina, 1987).
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