

DETLOF VON WINTERFELDT

University of Southern California
3710 McClintock Ave., RTH 316A
Los Angeles, CA 90089-2902
winterfe@usc.edu
(213) 740 0898

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SUMMARY

Detlof von Winterfeldt is the inaugural J.A. Tiberti Chair of Ethics and Decision Making and a Professor of Systems Engineering at the Daniel J. Epstein Department of Industrial and Systems Engineering in the Viterbi School of Engineering of the University of Southern California. He holds a joint appointment as Professor of Public Policy at the Price School of Public Policy at USC. In 2004 he co-founded the National Center for Risk and Economic Analysis of Terrorism Events (CREATE), the first university-based center of excellence funded by the US Department of Homeland Security. He served as CREATE's director from 2004 to 2008 and he was reappointed to this position in 2015. In the interim, he was on leave of absence from USC as Director of the International Institute for Applied Systems Analysis (2009-2012) and as Centennial Professor of the London School of Economics and Political Science (2008-2012). Throughout his academic career 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 applied to the areas of technology development, environmental risks, natural hazards and terrorism. He is the co-author of two books, three edited volumes, and author or co-author of over 120 refereed articles and chapter. He has served on fifteen committees of U.S. National Academies, including an appointment to the National Academies' Board on Mathematical Sciences and their Applications and as Chair of the Committee on the Study of Performance Based Safety Regulations. He is an elected 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. In 2009 he received the Gold Medal from the International Society for Multicriteria Decision Making for advancing the field. In 2011 The Council of IIASA elected him as Honorary IIASA Scholar and in 2012 he received the distinguished achievement award by the Society for Risk Analysis.

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

PROFESSIONAL APPOINTMENTS

2016-	Inaugural J. A. Tiberti Chair for Ethics and Decision Making, Viterbi School of Engineering, University of Southern California
2016-	Visiting Professor (honorary), University of Loughborough, Loughborough, United Kingdom
2015-	Director, National Center for Risk and Economic Analysis of Terrorism Events (CREATE) at USC
2015-	Faculty Fellow, Schwarzenegger Institute for State and Global Policy, USC
2006-	Professor of Industrial and Systems Engineering, Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, USC
1998-	Professor of Public Policy, Price School of Public Policy (formerly School of Policy, Planning, and Development, SPPD, USC)
2009-2012	Director of the International Institute for Applied Systems Analysis, Laxenburg, Austria (on leave from USC)
2008-2012	Centennial Professor, London School of Economics and Political Science, Department of Management, Management Science Group, London, UK
2004-2008	Director, National Center for Risk and Economic Analysis of Terrorism Events (CREATE), USC (co-founder and co-director in the first year)
2003-2005	Deputy Dean, SPPD, USC
2001-2003	Associate Dean for Faculty Affairs and Research, SPPD, USC
1998-2005	Director, Institute of Civic Enterprise, SPPD, USC
1997-1998	Professor of Planning, SPPD, 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 (ISSM), USC
1987-1997	Professor of Systems Science, Department of Systems Science, ISSM, USC
1986-1988	Chairman, Research Center, ISSM, USC
1982-1987	Associate Professor, Department of Systems Science, ISSM, USC
1978-1986	Research Associate, Social Science Research Institute, USC
1975-1978	Research Scholar, International Institute for Applied Systems Analysis, Laxenburg, Austria
1973-1975	Research Assistant, Social Science Research Institute, University of Southern California
1972-1973	Research Assistant, Highway Safety Research Institute, University of Michigan
1970-1971	Research Assistant, Engineering Psychology Laboratory, Human Performance Center, University of Michigan

SELECTED AWARDS

2015	Society for Risk Analysis, Best Paper Award in the journal <i>Risk Analysis</i> in 2015.
2013	Decision Analysis Society of INFORMS, Best Publication Award 2013 (chapter in the award winning book “Portfolio Decision Analysis”)
2012	Distinguished Achievement Award, Society for Risk Analysis
2011	Honorary Research Scholar, International Institute for Applied Systems Analysis, Laxenburg, Austria (IIASA)
2010	Society for Risk Analysis, best article award for issue-linked papers in the journal <i>Risk Analysis</i> in 2010
2009	Gold Medal, International Society for Multi-Criteria Decision Making
2008	Decision Analysis Society of INFORMS, Practice Award (Finalist)
2007	Society for Risk Analysis, best article award in Decision Sciences in the journal <i>Risk Analysis</i> in 2007 (with Heather Rosoff)
2004	Fellow, Institute for Operations Research and Management Science
2004	Fellow, Institute for Operations Research and Management Science
2004	Franklin Award for Outstanding Contributions to the School of Policy, Planning, and Development, USC
2003	Decision Analysis Society of INFORMS, Practice Award (Finalist)
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	Edelman Laureate, INFORMS (Finalist of Edelman Competition)
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	Germany-US Exchange Scholarship and Fulbright Travel Scholarship (University of Hamburg - University of Michigan)

EDITORIAL BOARDS

2012-	Member, Editorial Board, <i>European Journal on Decision Processes</i>
2005-	Associate Editor, <i>Decision Analysis</i>
2003-2005	Department Editor for Decision Analysis, <i>Management Science</i>
1998-2004	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>
1988-2009	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
1985-2005	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

2016-present	Chair, Committee on Performance Based Safety Regulations, National Academies, Washington, DC
2015-present	Member, Committee on the International Institute for Applied Systems Analysis, National Academies, Washington, DC
2012-2013	Member, Committee on Developing a Decision-Support Tool for Prioritizing New Vaccines, Institute of Medicine, National Academies, Washington, DC
2012-2013	Member, Committee on Evaluating the Effectiveness of the Global Nuclear Detection Architecture, National Research Council, Washington, DC
2010-2012	Member, International Advisory Committee, National Research Foundation, Republic of Korea
2009-2012	Member, Research Advisory Committee, Institute for Global Environmental Strategies, Tokyo, Japan
2008-2012	Member, Global Agenda Council on Catastrophic Risk, World Economic Forum, Davos, Switzerland.
2008-2012	Member, World Economic Forum, Global Agenda Council on Catastrophic Risks, Davos, Switzerland and Dubai, United Arab Emirates.
2008-2009	Member, Advisory Panel for the Decision, Risk, and Management Science Program, NSF
2007-2013	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. Board on Army Science and Technology, National Research Council
1997-1999	Consultant, Committee on DOE's Decision-Making Processes, Board on Radioactive Waste Management, National Research Council
1995	Member, Selection Panel for the National Center on Environmental 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

2005-2011	Electric Power Research Institute, Palo Alto, CA
2009-2011	National Center for Food Protection and Defense, University of Minnesota
2008	Decision Research, Eugene, OR
2006-2008	University of Massachusetts, Amherst, MA
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 at USC of approximately \$40m)

2016-2020	Principal Investigator, "Strategic Resource Assessment Methodology for the US Land Ports of Entry," Customs and Border Protection, Department of Homeland Security, Washington, DC (\$2,400,000)
2016-2018	Principal Investigator, "Centers of Excellence Landscape Study," US Coast Guard Research and Development Center, New London, CT (\$1,520,000)
2016-2017	Principal Investigator, "Center for Risk and Economic Analysis of Terrorism Events", Department of Homeland Security, Year 7 (\$975,000)
2015-2016	Principal Investigator, "Dynamic Aviation Risk Management," Transportation Security Agency, Washington, DC (\$800,000)
2015-2016	Principal Investigator, "Terrorism Risk Assessment," Directorate of Science and Technology, Department of Homeland Security, Washington, DC (\$770,000)
2015-2016	Co-Principal Investigator, "Development of a Disaster Deductible Formula," Federal Emergency Management Agency, Washington, DC (\$250,000)
2015-2016	Principal Investigator, "Center for Risk and Economic Analysis of Terrorism Events", Department of Homeland Security, Year 6 (\$3.4 million)
2014-2015	Principal Investigator, "SMART Methodology for Evaluating Radiological Isotope Identification Devices," Battelle, Pacific Northwest Laboratories, Richland, WA (\$100,000)
2013-2015	Co-Investigator, "Layered Defenses Against Terrorism Using Decision and Risk Analysis", Department of Homeland Security through the Center for Risk and Economic Analysis of Terrorism Events, University of Southern California (\$100,000 per year).
2013-2014	Principal Investigator, "Improved DNDO Testing and Evaluation - Decision Analysis and Experimental Design," Domestic Nuclear Detection Organization, Department of Homeland Security, Washington, DC (\$550,000)
2011-2013	Co-Investigator, "Using Decision Analysis to Counter Terrorism", Department of Homeland Security through the Center for Risk and Economic Analysis of Terrorism Events, University of Southern California (\$100,000 per year).
2009-2010	Principal Investigator, "Using Risk Assessment, Economic Assessment, and Risk Management to Improve Preparedness for Terrorist Attacks and Natural Disasters," Center for Risk and Economic Analysis of Terrorism Events (CREATE), University of Southern California, Los Angeles, CA (subcontract to IIASA, \$84,000).
2008	Principal Investigator, "Using Risk Assessment, Economic Assessment, and Risk Management to Improve Preparedness for Terrorist Attacks and Natural Disasters," National Preparedness

Directorate, Department of Homeland Security, Washington, DC (\$950,000).

2008-2011 Principal Investigator, "CREATE Homeland Security Educational and Career Development Program," Department of Homeland Security, Washington, DC. (\$300,000)

2008 Principal Investigator, "Understanding Risk Perception and Improving Risk Communication," Battelle Pacific Northwest Laboratories, Richland, WA (\$600,000).

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).

2007-2008 Principal Investigator, "CREATE Homeland Security Educational and Career Development Program," Department of Homeland Security, Washington, DC. (\$480,000)

2007-2008 Principal Investigator, "Homeland Security Center for Risk and Economic Analysis of Terrorism Events". Department of Homeland Security, Washington, DC. (Years 4-6, \$12 million)

2007-2008 Principal Investigator, "Risk and Economic Analysis Support for the National Biodefense Analysis and Countermeasures Center." Battelle National Biodefense Institute, Frederick, MD (\$600,000)

2007-2011 Principal Investigator, "Utility of critical infrastructure vulnerability assessment methodologies," National Center for Food Defense and Protection, Minneapolis, MN. (\$150,000).

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).

2005-2009 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. (Years 1-3; \$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." 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 by the National Academies

As a member of several National Research Council committees, von Winterfeldt contributed to the following books published by the National Academy Press:

National Research Council (2013). *Performance metrics for the global nuclear detection architecture*. Washington, DC: National Academy Press.

Institute of Medicine (2013). *Prioritizing vaccines, Vol. II*. Washington, DC: National Academy Press.

National Research Council (2013). *Environmental decisions in the face of uncertainty*. Washington, DC: National Academy Press.

National Research Council (2007). *Defense modeling, simulation, and analysis: Meeting the challenge*. Washington, DC: National Academy Press.

National Research Council (2006). *Going the distance? The safe transport of spent nuclear fuel and high-level radioactive waste in the United States*. Washington, DC: National Academies Press.

National Research Council (2004). *Improving the characterization program for contact-handled transuranic waste bound for the waste isolation pilot plant*. Washington, DC: National Academies Press.

National Research Council (2002). *The disposition dilemma: Controlling the release of solid materials for Nuclear Regulatory-licensed facilities*. Washington, DC: National Academies Press.

National Research Council (2001). *The Impact of low-level radioactive waste management policy on biomedical research in the United States*. Washington, DC: National Academies Press.

National Research Council (2000). *Strategies to protect the health of the deployed U.S. forces*. Washington, D.C: National Academy Press.

National Research Council (1998). *Decision making in the U.S. Department of Energy's Environmental Management Office of Science and Technology*. Washington, D.C: National Academy Press.

National Research Council (1988). *Improving Risk Communication*. Washington, D.C: National Academy Press.

PUBLICATIONS: Books and Edited Volumes

Abbas, A., Tambe, M., & von Winterfeldt, D. (Eds.) (2017) *Improving homeland security decisions*. New York: Cambridge University Press, in press.

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

Bier, V. & von Winterfeldt, D. (Eds.) *Terrorism Risk Analysis*. (2007). Special Issue 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

Garcia, R. & von Winterfeldt, D. (2016) Defender-attacker decision tree analysis to counter terrorism. *Risk Analysis*, 36, 8, pp 1-14. Published online on April 1, 2016 at <http://dx.doi.org/10.1111/risa.12574>.

Siebert, J., von Winterfeldt, D., & John, R.S. (2015). Identifying and structuring the objectives of the Islamic State of Iraq and the Levant. *Decision Analysis*. Published online at <http://pubsonline.informs.org/doi/abs/10.1287/deca.2015.0324>.

Montibeller, G. & von Winterfeldt, D. (2015). Cognitive and motivational biases in decision and risk analysis. *Risk Analysis*, 35, 7, pp. 1230-1251.

Frank, A.B., Collins, M.G., Levin, S., Lo, A.D., Ramo, J., Dieckmann, U., Kremenyuk, V., Kryazhimskiy, A., Linnerooth-Bayer, J., Ramalingam, B., Roy, J.S., Saari, D., Thurner, S. & von Winterfeldt, D. (2014). Dealing with femtorisks in international relations. *Proceedings of the National Academy of Science, Early Edition*, www.pnas.org/cgi/doi/10.1073/pnas.1400229111.

von Winterfeldt, D. (2013). Improving the policy relevance of global systems analysis. *EURO Journal of Decision Processes*, 1, pp. 59-76.

von Winterfeldt, D. (2013). Bridging the gap between science and decision making. *Proceedings of the National Academy of Science*, 110, pp. 14055-14061.

von Winterfeldt, D., Kavet, R., Peck, S., Mohan, M., & Hazen, G., (2012). The value of environmental information without control of subsequent decisions. *Risk Analysis*, 32, 12, pp. 2113-2132.

- Keeney, R.L. & von Winterfeldt, D. (2011). A value model to evaluate homeland security decisions. *Risk Analysis*, Vol. 31, 9, pp. 1470-1481.
- Bakir, N.O. & von Winterfeldt, D. (2011). Is better nuclear weapons detection capability justified? *Journal of Homeland Security and Emergency Management*, Vol. 8: Issue 1, Article 16, pp. 1-18.
- Prager, F., Asay, G., Lee, B. & von Winterfeldt, D. (2010). Exploring reductions in London Underground passenger journeys following the July 2005 bombings. *Risk Analysis*, Vol. 31
- Keeney, G. & von Winterfeldt, D. (2010) Identifying and structuring objectives of terrorists. *Risk Analysis*, Vol. 30, 12, pp. 1803-1816.
- Thakur, R., Lichem, W., and & von Winterfeldt, D. (2010) Die UN brauchen einen Wissenschaftsberater (The UN needs a science advisor). *German Review on the United Nations*, 58, 211-215.
- Ezell, C.E., Bennett, S.P., von Winterfeldt, D., Sokolowski, J. & Collins, A.J. (2010) Probabilistic risk analysis and terrorism risk. *Risk Analysis*, 30, 4, pp. 575-589. (Best Paper Award for Issue-Linked Papers, Society for Risk Analysis).
- von Winterfeldt, D. & Fasolo, B. (2009). Structuring problems for decision analysis: Concepts, tools, and an example. *European Journal of Operational Research*, 199, pp. 857-866.
- Ezell, B. & von Winterfeldt, D. (2009). Probabilistic risk analysis and terrorism risk, biosecurity and bioterrorism (commentary). *Biodefense Strategy, Practice, and Science*, 7, 1, pp 108-110.
- Eppel, T. & von Winterfeldt, D. (2008). Value of information analysis for nuclear waste storage tanks, *Decision Analysis*, 5, pp. 157-167.
- von Winterfeldt, D. (2008). Decision Analysis Under Uncertainty: To help the dialogue between stakeholders with different interests and ideologies. *Epidemiology*, 19, pp. S14-S15.
- Carlson, K.A. and eight co-authors, including von Winterfeldt, D. (2008). A theoretical framework for goal-based choice and for prescriptive analysis. *Marketing Letters*, 19, pp. 241-254.
- Bier, V. & von Winterfeldt D. (2007). Meeting the challenges of terrorism risk analysis. *Risk Analysis*, 27 (3), 503-504.
- 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. (Best article in Decision Science in *Risk Analysis* in 2007).

- 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. & 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.
- von Winterfeldt, D. et al. (2002). Yucca Mountain: Should we delay? *Science*, 296, pp. 2334-2334.
- 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.
- von Winterfeldt, D. (2001). Policy with regard to EMFs and the power grid. *Epidemiology*, 12, S53-S53.
- von Winterfeldt, D. & Zimmerman, R. (2001). Performance measures for managing infrastructure assets. *Health Monitoring and Civil Infrastructure Systems*, 4337, pp. 28-36.
- 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.
- Adams, J., von Winterfeldt, D., and Nair, I. (1999). Combination of the effects function approach and decision analysis in evaluating power frequency field options. *Electricity and Magnetism in Biology and Medicine*, pp. 355-358.

- 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. (Finalist, Edelman Award, INFORMS).
- 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.
- 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. (1994). 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.

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