
LIST OF EDITORS AND CONTRIBUTORS

ORTWIN RENN is chair of the Board of Directors at the Center of Technology Assessment in Baden-Württemberg and is Professor for Environmental Sociology at the University of Stuttgart. His professional career included a six year residency as associate professor of environment, technology and society at Clark University (Mass., USA) as well as a visiting professorship at the Swiss Institute of Technology in Zürich (Switzerland). Renn received a MA degree in Sociology and Economics (European Diploma) and a doctorate degree in Social Psychology, both from the University of Cologne (School of Economics and Social Sciences). His current research includes risk perception and communication, regional concepts of sustainable development and citizen participation in risk management. Renn has published 14 books and more than 80 articles in journals or chapters in books. Among others, he serves on the German Government's Advisory Council for Global Environmental Change, on the Future Commission of the state of Baden-Württemberg and the Collegiate of the European Academy of Scientific and Technological Change. Renn was president of the Society for Risk Analysis Europe from 1996 to 1997.

Contact address:

Ortwin Renn, Center of Technology Assessment in Baden-Württemberg,
Industriestrasse 5, D-70565 Stuttgart, Germany
Phone: +49-711-9063 160, Fax: +49-711-9063 175
E-mail: ortwin.renn@ta-akademie.de
Website: <http://www.ta-akademie.de>

BERND ROHRMANN is Senior Lecturer at the University of Melbourne/Australia and also Adjunct Professor at the University of Mannheim/Germany.

PhD 1974 at Hamburg University (Social Science Faculty); 1983 Habilitation in Psychology at Mannheim University. Since 1992 living and working in Australia. Main research areas include: applied social research, environmental psychology, and research methodology. Special substantive interests: risk perception/communication/ management; impacts of environmental stressors (e.g., noise); hazard appraisal and disaster preparedness; residential choice and satisfaction; decision processes and decision-aiding technologies; teaching quality. Methodological interests: response scales, survey methodology, evaluation research, and structural models. Also extensive work as consultant with governmental agencies, courts and companies. Publication of about 120 articles/reports/chapters/books.

Contact address:

Bernd Rohrmann, Dept. of Psychology, Univ. of Melbourne, Vic 3052, Australia
Phone: +61-3-9344 6349, Fax: +61-3-9347 6618
E-Mail: b.rohrmann@psych.unimelb.edu.au
Website: <http://www.psych.unimelb.edu.au/staff/acad/rohrmann.html>

PAUL SLOVIC is president of Decision Research and a professor of psychology at the University of Oregon. He studies human judgment, decision making, and risk analysis. Dr. Slovic received a B.A. degree from Stanford University, an M.A. and Ph.D. degree from the University of Michigan, and an honorary doctorate from the Stockholm School of Economics. He is past president of the Society for Risk Analysis and in 1991 received its Distinguished Contribution Award. In 1993, Dr. Slovic received the Distinguished Scientific Contribution Award from the American Psychological Association, and in 1995 he received the Outstanding Contribution to Science Award from the Oregon Academy of Science.

Contact address:

Paul Slovic, Decision Research, 1201 Oak Street, Eugene, OR 97 401-3575, USA

Phone: +1-541-485 2400, Fax: +1-541-485 2403

E-Mail: pslovic@oregon.uoregon.edu

Website: <http://www.decisionresearch.org/personnel.html>

JAMES FLYNN is a Senior Research Associate at Decision Research in Eugene, Oregon. He studies public, community, and institutional responses to science and technology with an emphasis on risks to human health and the environment. His research is in the areas of risk communication, risk management, and public policy. His studies have focused on nuclear technologies including nuclear power, radioactive waste, transportation of nuclear materials, and responses to the nuclear weapons complex. He has published more than 40 articles and has been involved in more than 50 studies over the last decade, many of them based upon survey data. He is a member of the American Association for Public Opinion Research, the Society for Risk Analysis and serves on the Board of Directors for the Risk Assessment and Policy Association. He graduated from Eastern Washington State University and completed his graduate work (MA; Ph.D.) at the University of Washington.

Contact address:

James Flynn, Decision Research, 1201 Oak Street, Eugene, OR 97 401-3575, USA

C. K. MERTZ has been the data analyst and manager for Decision Research since 1991. She analyzes experimental and survey data in support of the organization's ongoing research in judgment and decision making. She is experienced in multivariate statistical methods including covariance structural modeling. In addition, she has considerable experience in socioeconomic impact analysis and in community planning in rural areas. She was part of the management and administration team for the socioeconomic impact studies of the high-level radioactive waste repository proposed for Yucca Mountain, Nevada. This study addressed the full-range of socioeconomic impacts of the proposed high-level nuclear waste repository on the counties and communities in southern Nevada, including economic-demographic, community facilities and services, fiscal, intergovernmental relations, social-cultural, and risk effects. Ms. Mertz' experience

with EIS preparation includes several socioeconomic impact assessments of proposed oil shale developments in western Colorado prepared for the U.S. Army Corps of Engineers and the Bureau of Land Management. Ms. Mertz received her B.A. from Oklahoma State University in 1973 and a Masters in Regional and Community Planning from Kansas State University in 1981.

Contact address:

C. K. Mertz, Decision Research, 1201 Oak Street, Eugene, OR 97 401-3575, USA

MARC POU MADÈRE is Associate Professor of Risk Management and Communication at the Ecole Normale Supérieure of Cachan, affiliated with the Research Group on Risk, Information and Decision (GRID). Fields of research include:

- safety practices and culture, and the human impact of new or complex technologies, in contexts such as nuclear power plants and military systems;
- the nature and dynamics of the French public's involvement in risk matters, at both the national and international levels;
- the consequences upon individual and organizational performances of decreased trust in the larger population toward nuclear energy;
- social factors contributing to the intensification or attenuation of the perception of a risk event within a community's experience.

Marc Poumadère is past President of the Society for Risk Analysis-Europe, and serves on governmental and European research and advisory committees.

Contact Address:

Marc Poumadère, Ecole Normale Supérieure de Cachan, GRID, 61, Avenue du Président Wilson, 94 235 Cachan Cedex, FRANCE

Phone +33-1-4740 0990, Fax +33-1-4740 8258

E-mail: cnrsgid@grid.ens-cachan.fr

CLAIRE MAYS is a social psychologist (Harvard, AB '81; U. Paris VII, DESS '85) who has lived and worked in France since 1982. Her acquaintance with the nuclear field began in 1984 when Institut Symlog, a private research consultancy, was called in by managers of a French nuclear power plant to create a participative program of improving worker safety, taking into account group behavioral norms and safety culture. This intervention sparked interest in the perception of risks, which seems to differ from group to group in the workplace as in society, and, in how groups communicate about risks.

The radioactive waste management issue, seen from this perspective of risk communication in society, became a major focus in 1990 with a European Commission (CEC) contract comparing public information practices in Great Britain and in France. Claire Mays is currently appointed (1999-2000) by the United States Academy of Sciences National Research Council to the steering committee of a Board on Radioactive Waste Management initiative.

Other work in the field undertaken by Institut Symlog includes:

- With France's Institut de Sûreté et de Protection Nucléaire: RISKPERCOM, a 5-country

study for the CEC on public perceptions (survey and case study data);

- With University of Surrey and UK-NRPB: SPARPA, a CEC study on Social Psychological Aspects of Radiation Protection after Accidents.

Claire is Editor of the *European Review of Applied Psychology*, a bilingual quarterly. She is the elected Secretary of the Society for Risk Analysis-Europe (1999-2000). A dominant theme in Claire's work is bringing to institutional decision makers, a sense of how individual members of the public may experience risk.

Contact Address:

Claire Mays, Institut Symlog, B. P. 125, 94 232 Cachan Cedex, France
Phone +33-1-4740 0990, Fax +33-1-4740 8258
E-mail: claire.mays@post.harvard.edu

EUGENE A. ROSA is currently the Edward R. Meyer Distinguished Professor of Environmental and Natural Resource Policy in the Thomas S. Foley Institute for Public Policy and Public Service, Professor and Chair of Sociology, Faculty Associate in the Social and Economic Sciences Research Center, and Adjunct Professor in the Program in Environmental Science and Regional Planning, all at Washington State University. He also serves as Secretary of Section K (Social, Political, and Economic Sciences) of the American Association for the Advancement of Science. His research program has focused on environmental topics - particularly energy, technology, and risk issues - with attention to both theoretical and policy concerns. He has investigated the relationship between levels of energy consumption and societal well-being, public opinion about energy problems and policies, factors affecting the adoption of solar technologies and conservation practices, public attitudes toward and acceptance of nuclear power and nuclear policies, and most recently, cross-cultural perceptions of risks. Dr. Rosa is widely published and acclaimed in these areas of research. His current research foci are on the epistemology of risk and on global environmental change.

Contact Address:

Eugene A. Rosa, Department of Sociology, Washington State University, Pullman, WA 99164-4020, USA
Phone: +1-509-335 4621, Fax: +1-509-335 6419
E-mail: rosa@wsu.edu
Website: <http://cooley.libarts.wsu.edu/rosa>

NORIYUKI MATSUDA. Main fields of research: Risk perception, decision support and analysis.

Contact Address:

Noriyuki Matsuda, University of Tsukuba, Institute of Policy and Planning Sciences, 1-1-1 Tennou-dai, Tsukuba, Ibaraki 305-8573, JAPAN
Phone: +81-298-53 5170, Fax: +81-298-55 3849
E-Mail: mazda@shako.sk.tsukuba.ac.jp
Website: <http://www.sk.tsukuba.ac.jp/~mazda/>

RANDALL R. KLEINHESSELINK, PhD, is Associate Professor of Psychology at Washington State University Vancouver. He also has a faculty appointment in Environmental Psychology/Regional Planning. In 1980, he was a visiting scientist at the American Psychological Association in Washington, D.C. In 1986, he was a visiting scientist at the University of Washington Seattle. Dr. Kleinhesselink has received two teaching awards during his career and has also received the Academic Advisor of the Year Award from the Golden Key National Honor Society in 1995. Since transferring from the Pullman campus to the Vancouver campus in 1988, he has served as the Coordinator of the Social Sciences, Coordinator of Psychology, Director of Public Affairs, and Assistant Chair of Psychology. In addition to studying the cross-cultural perception of environmental risks, his research includes studies of selective cognitive attention to information, interpersonal attraction, gender differences, and self-concept/self efficacy. He received his PhD in Social/Personality Psychology from the University of Iowa in 1971.

Contact Address:

Randall R. Kleinhesselink, Assistant Chair of Psychology, Washington State University, Department of Psychology, 14204 NE Salmon Creek Avenue, Vancouver, WA 98 686-9600, USA

Phone +1-360-546 9723

E-Mail: kleinhes@vancouver.wsu.edu

Website: <http://www.vancouver.wsu.edu/fac/kleinhes/home.htm>

LENNART SJÖBERG is Head of the Center for Risk Research of the Stockholm School of Economics and a Fellow of the Society for Risk Analysis. He is Associate Editor of Journal of Risk Research, and a member of the editorial board of Risk Analysis, An International Journal. Prof. Sjöberg has been working on risk perception and related issues since the 1970's, and most recently coordinated CEC project RISKPERCOM which involved 5 countries in Western Europe.

Contact Address:

Lennart Sjöberg, Stockholm School of Economics, Center for Risk Research, Box 6501

113 83 Stockholm, Sweden

Phone: +46-8-736 9580, Fax +46-8-30 72 25

E-Mail: pls@hhs.se

Website: <http://www.hhs.se/dfr/faculty/Sjoeberg.htm>

DANIELA KOLAROVA is a lecturer in Social Psychology and Social Ecology at Sofia University "St. Kl. Ohridski". Last years Dr. Daniela Kolarova participated in several international research projects on risk perception and risk communication. During 1996-1997 she served as Bulgarian principal investigator of the EU funded project Risk Perception, the Environment, and Communication Strategies in the CESAR Project (a project on environmental health, public risk perception and risk communication in six Central and Eastern European Countries).

Contact Address:

Daniela Kolarova, Brjast str.20, Sofia 1164, Bulgaria

Phone/Fax: 359 2 66 43 18

E-mail: daniela@bitex.com

INDEX

A

AIDS 16, 19, 60, 62, 64, 65, 66, 67, 68, 69, 71, 72, 74, 97, 153, 155, 158, 193
ANOVA 23, 159, 162, 163, 169, 173, 174, 176
Australia 16, 20, 36, 104, 105, 108, 112, 113, 114, 115, 125, 215, 216, 221

B

Brazil 37, 147, 149, 150, 151, 152, 178, 190, 215, 218
Bulgaria 146, 147, 150, 151, 152, 153, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 172, 173, 174, 175, 176, 177, 178, 179, 215, 218

C

China 20, 36, 37, 104, 105, 108, 115, 118, 125, 126, 137, 147, 150, 178, 215, 217
correlation 23, 40, 119, 131, 134, 149, 157, 163, 167, 169, 177, 196, 213
cost-benefit-ratio 221
cross-cultural studies 106, 136, 137, 138, 189, 190, 198
cross-national studies 18, 20, 37, 106, 212, 214
cultural biases 36, 136, 150, 178, 218
cultural construct 18, 106

D

data analysis 12, 19, 23
dread risk 190, 199, 202

E

ecological orientation 36, 127, 130
egalitarianism 36, 96, 136
England 20
epidemiological data 105, 136, 217
evaluation of hazards 41, 103, 105, 134, 136

F

factor analysis 17, 23, 29, 189, 200, 204, 227
fatalism 36, 89, 92, 96, 136
feminist orientation 217
France 20, 37, 55, 57, 58, 62, 73, 74, 75, 78, 83, 87, 92, 93, 95, 96, 97, 98, 99, 106, 190, 215, 216, 221, 223

G

gender 62, 65, 67, 70, 84, 97, 98, 112, 119, 148, 159, 160, 161, 163, 177, 215, 227
genetic engineering 16, 147, 223
Germany 20, 36, 37, 104, 105, 107, 108, 112, 113, 114, 115, 117, 118, 131, 215, 216, 221

H

hazard types 12, 28, 123
hierarchy 34, 36, 61, 89, 116, 136, 223
Holland 20
Hong Kong 147, 190
Hungary 147, 190

I

individualism 36, 91, 136, 137, 217, 227
influence 12, 23, 36, 98, 105, 108, 136, 139, 188, 220
information processing 24
information sources 42, 146, 175, 176, 177, 220
intuitive heuristics 24

J

Japan 20, 37, 105, 115, 147, 187, 190, 191, 195, 199, 202, 205, 206, 215, 218, 221

M

monetarian orientation 36, 105, 112, 117, 128, 129, 130, 215, 217
Moscow 148

N

natural hazards 28, 29, 60, 105, 115, 117, 124, 132
New Zealand 36, 104, 105, 108, 112, 119, 125, 132, 136, 217
Norway 147, 190
nuclear energy 16, 19, 28, 57, 58, 78, 98, 117, 118, 125, 130, 215, 216, 223
nuclear power 6, 19, 20, 28, 57, 58, 60, 61, 62, 63, 64, 65, 66, 67, 68, 70, 71, 73, 74, 75, 78, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 96, 97, 98, 99, 110, 119, 125, 128, 130, 136, 148, 151, 153, 154, 192, 196, 198, 215, 216, 217
nuclear waste 57, 62, 63, 64, 65, 66, 67, 68, 72, 73, 74, 75, 78, 83, 96, 98, 99, 147, 192, 197, 215

P

perceived risks 63, 179
 Philippines 20
 Poland 147, 190
 psychometric approach 17, 19, 106
 psychometric paradigm 12, 17, 18, 108, 187, 189,
 196, 200, 203, 207

R

radiation hazards 63, 68
 risk acceptance 15, 18, 20, 23, 29, 42, 105, 110, 116,
 117, 123, 125, 126, 128, 130, 131, 134, 135, 137,
 215, 217, 224, 225
 risk analysis 6, 17, 42, 105, 137, 226
 risk assessment 6, 14, 15, 17, 29, 42, 105, 217
 risk communication 7, 8, 15, 42, 106, 108, 138, 147,
 219, 225, 226
 risk evaluation 12, 17, 20, 23, 31, 36, 37, 40, 104,
 105, 107, 108, 112, 116, 117, 134, 135, 136, 137,
 138, 192, 194, 225, 228
 risk judgements 34
 risk magnitude 27, 28, 29, 37, 109, 116, 117, 119,
 124, 125, 127, 131, 132, 134
 risk mitigation 146, 147, 154, 168, 169, 176, 177
 risk perception studies 7, 19, 27, 28, 29, 37, 40, 42,
 104, 106, 107, 136, 214, 224, 225, 227, 228
 risk ratings 36, 114, 116, 125, 128, 147, 148, 149,
 150, 157, 163, 167, 169, 177, 178
 risk research 13, 17, 42, 106, 138, 212, 213, 226, 228
 risk sources 14, 18, 19, 20, 23, 26, 27, 28, 29, 37, 40,
 57, 104, 105, 107, 108, 117, 118, 119, 123, 124,
 127, 129, 131, 132, 133, 134, 213, 222, 227
 Romania 146, 147, 150, 151, 152, 153, 155, 158,
 159, 160, 161, 163, 164, 165, 166, 167, 168, 169,
 170, 172, 173, 174, 176, 177, 178, 179, 218, 223

S

smoking 16, 19, 28, 37, 60, 62, 68, 72, 91, 94, 95,
 119, 123, 125, 129, 130, 153, 217
 social amplification 38, 40, 136
 societal benefit 123, 125, 127
 socio-psychological factors 40, 105, 137
 structural models 108
 students 107, 125, 130, 137, 187, 191, 218, 227
 survey 57, 58, 60, 61, 62, 75, 78, 94, 96, 97, 98, 148,
 153, 154, 155, 179, 194, 195
 Sweden 37, 146, 147, 148, 149, 150, 151, 152, 155,
 156, 157, 158, 163, 178, 190, 215, 218

T

teachers 20, 147, 149, 150, 155, 156, 158, 161, 171,
 172, 174, 176, 177, 218
 technological orientation 36, 128
 technological risks 32, 60, 87, 88, 130, 132, 218
 trust 6, 12, 31, 32, 34, 40, 42, 57, 58, 60, 61, 63, 87,
 88, 96, 97, 98, 99, 213, 214, 216, 217, 220, 222,
 223, 225

U

uncertainty 7, 13, 28, 34, 46, 188, 213, 219, 223
 United States 5, 17, 20, 37, 55, 57, 58, 62, 65, 66, 67,
 68, 71, 72, 73, 74, 75, 78, 80, 82, 83, 85, 87, 88,
 89, 93, 94, 95, 96, 97, 98, 99, 138, 187, 189, 190,
 195, 196, 197, 198, 199, 205, 206, 207, 215, 216,
 218, 221, 223
 universalism of risk perception 187
 unknown risk 190, 197, 198, 202

W

worldviews 36, 41, 61, 89, 92, 93, 94, 96, 98, 117,
 118, 136, 214, 217, 220

Technology, Risk, and Society

An International Series in Risk Analysis

1. J.D. Bentkover, V.T. Covello and J. Mumpower (eds.): *Benefits Assessment. The State of the Art.* 1986 ISBN 90-277-2022-3
2. M.W. Merkhofer: *Decision Science and Social Risk Management. A Comparative Evaluation of Cost-Benefit Analysis, Decision Analysis, and other Formal Decision-Aiding Approaches.* 1987 ISBN 90-277-2275-7
3. B.B. Johnson and V.T. Covello (eds.): *The Social and Cultural Construction of Risk. Essays on Risk Selection and Perception.* 1987 ISBN 1-55608-033-6
4. R.E. Kasperson and P.J.M. Stallen (eds.): *Communicating Risks to the Public. International Perspectives.* 1990 ISBN 0-7923-0601-5
5. D.P. McCaffrey: *The Politics of Nuclear Power. A History of the Shoreham Nuclear Power Plant.* 1991 ISBN 0-7923-1035-7
6. M. Waterstone (ed.): *Risk and Society. The Interaction of Science, Technology and Public Policy.* 1991 ISBN 0-7923-1370-4
7. A. Vari and P. Tamas (eds.): *Environment and Democratic Transition. Policy and Politics in Central and Eastern Europe.* 1993 ISBN 0-7923-2365-3
8. A. Vari, P. Reagan-Cirincione and J.L. Mumpower: *LLRW Disposal Facility Siting.* 1994 ISBN 0-7923-2743-8
9. B. Brehmer and N.-E. Sahlin (eds.): *Future Risks and Risk Management.* 1995 ISBN 0-7923-3057-9
10. O. Renn, T. Webler and P. Wiedemann (eds.): *Fairness and Competence in Citizen Participation. Evaluating Models for Environmental Discourse.* 1995 ISBN Hb 0-7923-3517-1; Pb 0-7923-3518-X
11. P.C.R. Gray, R.M. Stern and M. Biocca (eds.): *Communicating About Risks to Environment and Health in Europe.* 1997 ISBN 0-7923-4519-3
12. R.E. Jorissen and P.J.M. Stallen (eds.): *Quantified Societal Risk and Policy Making.* 1998 ISBN 0-7923-4955-5
13. O. Renn and B. Rohrman (eds.): *Cross-Cultural Risk Perception. A Survey of Empirical Studies.* 2000 ISBN 0-7923-7747-8