

Institute of Risk & Safety Analyses

5324 Canoga Avenue
Woodland Hills, CA 91364
established 1974
TEL: (818) 348-1133
TEL: (800) 429-9938
FAX: (818) 348-4484



kennethsolomon@mac.com
www.irsa.us

Laboratory of Risk & Safety Analyses

(Mail To: 5324 Canoga Avenue)
5120 Canoga Avenue
Woodland Hills, CA 91364
established 1995
TEL: (818) 226-9974
FAX: (818) 226-9979

Chief Scientist
Kenneth A. Solomon, Ph.D., P.E., Post Ph.D.

KENNETH ALVIN SOLOMON, Ph.D., P.E., Post Ph.D.
INSTITUTE DIRECTOR AND LABORATORY CHIEF SCIENTIST

ACADEMIC CREDENTIALS AND AFFILIATIONS

Post Ph.D. Risk-Benefit Assessment, UCLA 1977
P.E. Professional Engineering License, California, 1976
Ph.D. Engineering, UCLA, 1974
M.S. Engineering, UCLA, 1971
B.S. Engineering, UCLA, 1971
B.L.S. Instructor, AHA, 2005

PAST AND PRESENT AFFILIATIONS

Diplomat Forensic Engineering & Technology, American College of Forensic Examiners Institute, 1998
Diplomat Forensic Law Enforcement, American Board of Law Enforcement Experts, 1998
Diplomat Homeland Security, American Board for Certification in Homeland Security, 2003
Fellow American College of Forensic Examiners Institute, 2007
Associate Orange County Association of Peace Officers
Member Orange County Association of Reserve Deputy Sheriffs
Member International Society of Bio-Mechanics
Member California Association of Reserve Peace Officers
Member National Society of Accident Reconstruction Specialists
Member International Conference of Building Inspectors
Member International Society of Probabilistic Risk Assessment
Member American Nuclear Society
Member Society of Automotive Engineers

ACCIDENT RECONSTRUCTION, HUMAN FACTORS, & BIOMECHANICS

Dr. Solomon's studies address accident reconstruction, biomechanics, and human factors as demonstrated by his 42 years of independent research; his more than 200 internationally distributed publications, reports, and presentations; and his 13 book co-authorship. In December of 1998 and after 22 years 9 months of service, he retired as Senior Scientist with the RAND Corporation. He was on the faculty at the RAND Graduate School for 18 years, and taught as an Adjunct Faculty at UCLA, USC, Naval Post-Graduate School, George Mason University, and The Orange County Sheriff's Academy. Dr. Solomon was a PSR (Professional Services Reserve) from 2000 to 2006, a PSCR through July 2007 with the Orange County Sheriff-Coroner Department, and served as a Commissioner of Policing and Safety for the City of Calabasas (2000 to 2005). He has been a court-appointed Hearing Officer since 1995. Dr. Solomon has published peer reviewed papers and books in Transportation Accidents (automotive, trucks, motorcycles, bicycles); Industrial & Recreational Accidents (pressure vessels, rotating machinery, forklifts and cranes, exercise & recreational equipment, swimming pools, manufacturing and punch presses); Slip- or Trip-and-Fall Accidents; and Adequacy of Warnings. Only 30% of his work is litigation: of that, the distribution is about 65% to 70% Defense, 25% to 30% Plaintiff, and 5% jointly Plaintiff and Defense. He has successfully qualified in courtroom testimony about 1800 times since 1971.

PROFESSIONAL EXPERIENCE

1974-Present	Chief Forensic Scientist, Institute of Risk & Safety Analyses
1995-Present	Mediator, Court Appointed, Los Angeles Superior Court
1/07 – 7/07	PSCR, Orange County Sheriff-Coroner Department (Badge P-62)
2000-2006	PSR (Professional Services Reserve), Orange County Sheriff-Coroner Department
2000-2005	Commissioner, Police and Safety Commissioner, City of Calabasas, California
1976-1998	Senior Scientist, RAND Corporation, Santa Monica, CA
1982-1995	Faculty, Admissions & Accreditation Committees, RAND Graduate School
1989-2000	Technical Specialist Volunteer, Los Angeles County Sheriff, (Badge 4573)
1993-1995	Visiting Faculty, Mechanical, Aerospace, Nuclear Engineering Department, UCLA
1978-1988	Associate Adjunct Professor/Researcher, Mechanics, Aerospace, & Nuclear Engineering Department, UCLA
1986-1988	Associate Adjunct Professor, Systems Management Department, USC
1974-1976	Staff Engineer, NUS Corporation, Sherman Oaks, CA
Summer 1970	Nuclear Engineer Intern, Southern California Edison

PROFESSIONAL HONORS, ORGANIZATIONS, and ACTIVITIES (Partial List)

Tau Beta Pi Honor Society (as an Undergraduate)
 Magna Cum Laude, 1971 (B.S. Degree)
 Departmental Scholar, 1971 (M.S. Degree)
 Highest Honors 1974 (Ph.D. Degree)
 Atomic Energy Commission Fellowship, 1971-1974
 Member of American Nuclear Society, 1972-Present
 American Nuclear Society Board of Directors, LA Section, 1971-76
 UCLA Speaker's Bureau, 1972-1997
 Professional Nuclear Engineer (NE 1735), 1977-present
 Member of System Safety Society, 1978-1980
 Member of Society of Automotive Engineers, 1984-present
 Who's Who in California
 Who's Who in Frontier Science and Technology
 Featured in Los Angeles Magazine, June 1981, pp. 122-126
 Secretary, International Society of Risk Analysis, 1981-1983
 Guest Editor, Journal of Hazardous Materials, 1984-1988
 Guest Editor, Journal of Occupational Accidents, 1987-1988
 Contributing Editor, VDT's In the Office Environment, 1985-1986
 Member, Economics Subcommittee, Technical Research Team, Air Resources Board, State of California, 1992 to 1996 (Appointed by Governor Peter Wilson)
 Kehila Kedosha Janina, 1974-present
 ASF, 2000-present

Advisory Committees (Past and Present, Partial List):

International Committee on Biological Effects of Ionizing Radiation, Executive Committee on Continuing Education in Engineering (UCLA), Alternate Member of International Nuclear Fuel Cycle Study Group 5, The President's AAAS Five Year Outlook Review Panel, Youth Motivation Task Force, National Academy of Science's Panel of Expert Reviewers on Risk Studies, IEEE Risk Acceptance Criteria Committee, The United States GAO Special Committee on Risk Legislation, Consumer Product Safety Commission (on warnings and swimming pool designs), Co-Administrator Sephardic Project and Administrator, Romaniote Project of Ancestry.com, Advisor U.S. Department of Energy, Advanced Technologies (LARTA)

Reviewer for (Partial List):

International Journal of Risk Analysis, Science
Journal of Hazardous Materials, Hazard Prevention
Journal of Policy Management, Journal of Policy Science

TEACHING**UCLA**

Statistical Thermodynamics
 Energy Dependent Nuclear Kinetics
 Engineering Economics
 Environmental Engineering
 Engineering Mathematics
 Risk Assessment
 Nuclear Science

RGS

Risk and Uncertainty

U.S.C.

Risk Management

Institute of Risk and Safety

Premises Liability
 Bio-Mechanics of Automotive accidents

UWLA, Law School

Warnings

DISSERTATION AND THESIS COMMITTEES**UCLA**

School of Engineering and Applied Sciences (five)
 School of Education (four)
 School of Public Health (two)

U.C.S.D.

Engineering (one)

George Mason

School of Engineering and Applied Sciences (one)

Naval Post Graduate School

Systems Engineering (two)

RGS

(eight)

Televised Documentaries and News Conferences:

Solved by Science: People of California vs. Robert Gay, A Production sponsored by **Court TV**, 2006,

Emergency Preparedness and Response: The Big One, **NBC News** aired 1987

Responding to Nuclear Waste Cleanup, **Educational Cable Television** aired 1992

Also, approximately 150 news appearances on television and radio from 1980 though the present.

Primary topics: Nuclear power plant safety, weapons nonproliferation, anti-terrorism

PUBLICATIONS

Books and Editorships

The Aquatic Compendium, published by The National Swimming Pool and Spa Foundation, co-authored by Kenneth A. Solomon, 2006, Book

Limiting the Spread of Weapon-Usable Fissile Materials, Brian G. Chow, Kenneth A. Solomon, sponsored by The United States National Defense Research Institute, January 1993, Book

Dealing With Uncertainty Arising Out of Probabilistic Risk Assessment, Kenneth A. Solomon, sponsored by Oak Ridge National Laboratory, September 1983, Paperback

Risk-Cost Assessment Methodology for Toxic Pollutants from Fossil Fuel Power Plants, Rand Corporation, Kenneth A. Solomon, J.G. Bolten, sponsored by Electric Power Research Institute, P. F. Morrison, January 1983, Paperback

Monitoring Technologies for Ocean Disposal of Radioactive Waste, published by The Rand Corporation, Kenneth A. Solomon, Mark B. Triplett, January 1982, Book

Issues and Problems in Inferring a Level of Acceptable Risk, published by The Rand Corporation, Kenneth A. Solomon, Steven L. Salem, Michael S. Yesley, January 1980, Book

Away-From-Reactor Storage of Spent Nuclear Fuel: Factors Affecting Demand, sponsored by The U.S. Department of Energy, Kenneth A. Solomon, Patricia M. Dinneen, Mark B. Triplett, January 1980, Book

The Index of Harm: A Measure for Comparing Occupational Risk across Industries, sponsored by The Electric Power Research Institute, Kenneth A. Solomon, Stanley Charles Abraham, January 1979, Book

International Arrangements for Uranium Enrichment, Marvin Miller, Kenneth A. Solomon, Michael Mihalka, sponsored by The U.S. Department of Energy, January 1979, Book

Nuclear Reactor Spent Fuel Valuation: Procedure, Applications, and Analysis, Kenneth A. Solomon, sponsored by The U.S. Department of Energy, January 1978, Book

"A Comparison of Risks In and Around Swimming Pools," Chapter in **Aquatic Safety Compendium**, Jan. 2005, sponsored by the National Swimming Pool Foundation

"The Mechanics of Diving," Chapter in **Aquatic Safety Compendium**, Jan. 2005, sponsored by the National Swimming Pool Foundation, DVD Format

"A Value Impact Method for Improving Automotive Safety," Chapter in **Automotive Safety and Litigation**, Vol. I, Garland Press, New York, December 1983

"Improving Automotive Safety: The Role of Industry, Government, and Driver" Chapter in **Risk Assessment & Management**, Vol. 5, Plenum Press, New York, 1987

"A Value Impact Approach for Regulatory Decision Making" Chapter in **Risk Assessment & Management**, Vol. 5, Plenum Press, New York, 1987

Guest Editor *Journal of Hazardous Materials*, Special Issue on Risk Assessment & Management, Vol. 10 1985

Guest Editor *Journal of Hazardous Materials*, Special Issue on Risk Regulation, May 1987

Guest Editor *Journal of Hazardous Materials*, Special Issue on Legislative Issues, June 1988

RAND

Warnings: When do they help; When do they harm? RAND P-7892, Feb., 1995

Limiting the Spread of Weapons-Usable Fissile Materials, RAND-346-UDDP, 1994

An Assessment of The Defense Nuclear Agency Functions, RAND, 1995

Plutonium for Japan's Nuclear Reactor's: Paying Both the Proliferation and Dollar Price to Assure Long-Term Fuel Supply, RAND MR-186-CC, March 1993.

Limiting The Spread of Weapon-Usable Fissile Materials, RAND, MR-346-USDP, November 1993

Airport Growth and Safety: A Study of the External Risks of Schiphol Airport and Possible Safety-Enhancement Measures, RAND, MR-288-EAC/VW, 1993.

Airport Growth and Safety: Executive Summary of the Schiphol Project, RAND, MR-297-EAC/VW, 1993

Swimming Pool Risks: How Do They Compare to Other Accidental Risks? RAND P-7841, November 1993

Alternative Sources of Tritium, RAND, MR-205-ACQ, April 1993

DoD Spectrum Management Program, DRR-602-C3I

Power Options for Space Exploration, a talk presented to the American Nuclear Society, Los Angeles, Sept 1992

An Assessment of Deep Fires Alternatives in Third World Countries, RAND Report, 1992

Preliminary Thoughts Concerning Potential U.S. Army Threats/Roles, P-7697-A, June 1991

Comprehensive Self-Study Report submitted to the Western Association of Schools and Colleges in Support of an Application for Reaffirmation of Accreditation, co-authored by a nine person Steering Committee of RGS Faculty and RAND Management, January 1990

SEI Project Outreach Evaluations: Space and Surface Power, N-3280-AF/NASA, June 1991

An "Adequate Insurance" Appraisal to Critical Dependencies of the Department of Defense, R-3880-USDP, July 1991

Generating Tritium in Civilian Nuclear Reactors, The RAND Corporation, N-3203-ACQ, December 1990

A Primer on the Production and Use of Tritium, The RAND Corporation, N-3201-ACQ, November 1990

Risks to the Civilian Population from the Use of Biological Weapons by Terrorists Groups, N-2776-AFMIC, June 1989

Risks to Air Force Bases from the Use of Biological Weapons by Terrorists Groups, N-2777-AF, June 1989

Measuring Safety Across Industries, The RAND Corporation, P-7405, Nov 1988

Ground Risk Associated With Aircraft Crashes, The RAND Corporation, P-7459, Nov 1987

Issues in Swimming Pool Design and Diving Safety, The RAND Corporation, P-7370, Nov 1987

- Risk Management Practices at the Local, State, and Federal Level*, The RAND Corporation, P-7263, Nov 1986
- Sources of Radioactivity in the Ocean Environment*, The RAND Corporation, P-7273, October 1986
- Alternative Models for Risk Assessment of Toxic Emissions*, The RAND Corporation, N-2261-EPRI, April 1985
- Improving Automotive Safety: The Role of the Industry, the Government, and the Driver*, The RAND Corp., P-7069, July 1985
- Review of Four Analyses Estimating the Emergency Planning Zones (EPZs) for the Shoreham Nuclear Reactor*, The RAND Corporation, N-2353-DOE, August 1985
- Dealing With Uncertainty Arising out of Probabilistic Risk Assessment*, The RAND Corporation, R-3045-ORNL, Sept 1983
- Risk-Cost Assessment Methodology for Toxic Pollutants from Coal-Fired Plants*, The RAND Corporation, R-2993-EPRI, June 1983
- Risk-Management Practices in Local Communities*, The RAND Corporation, P-6821, October 1982
- Total Cost Estimates for Closing Indian Point*, The RAND Corporation, P-6822, September 1982
- An Evaluation of Alternative Safety Criteria*, The RAND Corporation, N-1806-ORNL, June 1982
- Preliminary Survey Of Risk and Safety Offerings at Selected Universities*, The RAND Corporation, P-6762, June 1982
- Estimating The Cost of Closing Down a Nuclear Reactor*, The RAND Corporation, R-2857-NYO, Dec 1981
- Monitoring Technologies For Ocean Disposal of Radioactive Waste*, The RAND Corporation, R-2773-NOAA, Dec 1981
- Scenarios for Evolution of Air Traffic Control*, The RAND Corporation, R-2698-FAA, November 1981
- The High Temperature Gas Cooled Reactor: An Overview of Safety Issues*, The RAND Corporation, N-1589-GCRA, December 1980
- Away from Reactor Storage and Disposal of Spent Nuclear Fuel: Factors Affecting Demand*, The RAND Corporation, R-2558-DOE, August 1980
- Summary of Issues and Problems in Inferring a Level of Acceptable Risk*, The RAND Corporation, P-6519, July 1980
- Issues and Problems in Inferring a Level of Acceptable Risk*, The RAND Corporation, R-2561-DOE, July 1980
- Some Implications of the Three Mile Island Accident on LMFBR Safety and Licensing: The Design Basis Issue*, The RAND Corporation, N-1559-DOE, July 1980
- The Index of Harm: A Measure for Comparing Occupational Risk Across Industries*, The RAND Corporation, R-2409-RC, June 1979
- Anticipated Transients Without SCRAM for Light Water Reactors: Implications For Liquid Metal Fast Breeder Reactors*, The RAND Corporation, N-1188-DOE, June 1979

International Arrangements for Uranium Enrichment, The RAND Corporation, R-2427-DOE, May 1979

Valuation of Nuclear Reactor Spent Fuel Using the HP 67/97 Programmable Calculator, The RAND Corporation, N-1176-DOE, April 1979

Procedure for Nuclear Reactor Spent Fuel Valuation, The RAND Corporation, P-6240, November 1978

More on Insurance and Catastrophic Events: Can We Expect De Facto Limits on Liability Recoveries? The RAND Corporation, P-5940, March 1978

Nuclear Reactor Spent Fuel Valuation: Procedure, Application and Analysis, The RAND Corporation, R-2239-DOE, February 1978

Seismic Building Codes for the City of Los Angeles: A Brief Case Study, The RAND Corporation, P-6018, November 1977

Some Comments on De Facto Limits of Liability, P-5885 The RAND Corporation, June 1977

The Light Water Reactor: Development and Commercialization, The RAND Corporation, R-2180-NSF, May 1977

Other Reports

Dealing With Uncertainty, Oak Ridge National Laboratory, Report No. ORNL/RM-9076, March 1984

Final Report: Alternative Risk Management Policies for State and Local Governments, University of California, Los Angeles, UCLA-ENG-8240, May 1982

Executive Summary: Alternative Risk Management Policies for State and Local Governments, University of California, Los Angeles, UCLA-ENG-8241, May 1982

Risk Management Practices in Local Communities: Five Alternatives, University of California, Los Angeles, UCLA-ENG-8242, May 1982

Management of Risks Associated With Drinking Water, University of California, Los Angeles, UCLA-ENG-8243, May 1982

Classification of Risk: A Taxonomy, University of California, Los Angeles, UCLA-ENG-8245, May 1982

Earthquake Ordinances for the City of Los Angeles, California: A Brief Case Study, University of California, Los Angeles, UCLA-ENG-7765, October 1977

De Facto Liability Limits, University of California, Los Angeles, UCLA-ENG-7732, May 1977

State by State Chemical Risk Assessment Survey, University of California, Los Angeles, UCLA-ENG-76125, December 1976

A Methodology for Assessing Aircraft Crash Probabilities, Centre de Development Technologique, Atomic Energy Control Board of Canada, Report IGN-126, September 1976

An Assessment of the Risk Due to a Hypothetical Nuclear Accident, NUS Report No.1538, November 1975

Risk Associated With Nuclear, Coal, and Oil Fuel Cycles, NUS Report No. 1537, November 1975

Summary of Comments to WASH-1400 (DRAFT), NUS Corporation, NUS Report No. 1502, Sept. 1975

Siting of Nuclear Power Plants with Respect to Potential Hazards from Aircraft Impacts, NUS Report No. 1416, May 1975

Development of Flaws in Nuclear Reactor Pressure Vessel Welds, University of California, Los Angeles, UCLA-ENG-7496, February 1975

Prediction of Core Auxiliary Cooling System Availability and Reliability, University of California, Los Angeles, UCLA-ENG-7495, February 1975

Nuclear Power Plant Reliability, Ph.D. Dissertation, UCLA School of Engineering and Applied Science, Dec 1974

Contributed to *AEC Study WASH-1400, Reactor Safety Study*, June 1974

Potential Hazards to a Nuclear Reactor from the Random Impact of Meteorites, University of California, Los Angeles, UCLA-ENG-7426, March 1974

The Risk of Catastrophic Spills of Toxic Chemicals, University of California, Los Angeles, UCLA-ENG-7425, March 1974, edited by K.A. Solomon

Airplane Crash Risk to Ground Population, University of California, Los Angeles, UCLA-ENG-7424, March 1974

MHD Topping Cycles, Jet Propulsion Laboratory, JPL-1200-59, May 1973

Methods of Determining Oscillations and Linear Stability of a Nuclear Reactor Using Space Dependent Kinetics, M. S. Thesis, UCLA School of Engineering and Applied Science, September 1971

Published Articles

Effective Examination of the Expert, CLE Authority (MCLE), Pasadena CA. Video Instruction, 2007

Types of Knee Injuries & How They Occur, Journal of Forensics, Spring 2005

The Threat of Global Nuclear Terrorism, Presented at the International Society of Probabilistic Risk Analysis, at UCLA in May 2001.

How Much Plutonium Do We Need: A Case Study - Japan., International Journal of Hazardous Material, 44 (November 1995) pp1-23

Risks to Workers on the Ground from Aircraft Crashes, Journal of Occupational Accidents; 1989

A Comparison of Occupational Risks Among Industries, Journal of Occupational Accidents; Vol. 11, pp 19-35, 1989

Radiation in the Ocean Environment, Special Issue on Risk Management of the Journal of Hazardous Materials June 1988

Estimating the Population Exclusion Zone Around a Nuclear Reactor, Special Issue on Risk Management of the Journal of Hazardous Materials 1988

Alternative Risk Management Practices at the Local, State, and Federal Level of Government, Special Issue on Risk Management of the Journal of Hazardous Materials Vol. 15- No.1, May 1987

Guest Editorial and Introductory Paper on Risk Regulation and Legislation, Special Issue on Risk Management of the Journal of Hazardous Materials March 1987

Comparing Alternative Strategies for Improving Automotive Safety, Proceedings of the International Society of Risk Analysis meeting held in Washington, D.C., September 1986

Value Impact Assessment for Regulatory Decision Making, Proceedings of the International Society of Risk Analysis meeting held in Washington, September 1986

On the Use of Confidence Intervals in Risk Management, Journal of Hazardous Materials, (10) 1985

Selecting An Optimal Strategy for a Safer Automobile, invited paper presented to the Society for Risk Analysis, Annual Meeting, Washington, DC, October 1985, and printed in the meeting proceedings

A Survey of Monitoring Requirements for Sub-Seabed Disposal of Radioactive Waste, Journal of Hazardous Materials, (10) 1985, pp. 205-226

An Evaluation of Alternative Safety Criteria for Nuclear Power Plants, Journal of Risk Analysis, Vol. 5, No. 3, 1985

An Examination of Risk Management at the Local Level of Government, invited paper to Journal of Hazards Prevention, July/August 1985, pp. 12-15

Dealing With Reliability and Risk Analysis at the Local Level, Journal of Policy Science, Vol. 16, 1984, pp. 245-265

De Facto Liability Limits: Another Look, invited paper, Journal of Hazard Prevention September 1984

Risk Management in Local Communities, Journal of Hazard Prevention, July/August 1984

How Unique Are the Price Anderson Limitations on Nuclear Accident Liability? Journal of Risk Analysis, Vol. 3, No. 1, December 1983

Making Decisions Under Uncertainty, paper presented at American Nuclear Society, Detroit, MI, June 1983

Cost of Closing Nuclear Plants: Involuntary vs. Voluntary Closure, invited paper at American Physics Society, Los Angeles, CA, March 1983

Quantitative Safety Goals Through More Adequate Risk Management and Risk Assessment, Journal of Reliability Engineering, Vol. 4, No. 2, February 1983, pp. 65-84

Energy for the Future: Facing Radiation Protection Issues, invited paper at WATtec National Energy Conference, Knoxville, TN, February 1983

Issues in Perceiving Risk, an invited paper at the Health Physics Society, Annual Meeting, Knoxville, TN, February, 1983

Courses Offered in Risk Analysis, invited paper presented at the International Society of Risk Analysis, June 1982 Meeting in Crystal City, VA

Assessing the Cost of Closing Down a Nuclear Power Plant: Method and Application, presented at the November 1982 Meeting of the American Nuclear Society, Washington, D.C.

Issues In Risk Acceptance, presented at Reliability 1981 Conference, England, May 1, 1981

The Index of Harm: A Useful Measure for Comparing Occupational Risks Across Industries, Journal of Health Physics, Vol. 38, March 1980, 375-381A

Procedure for Calculating the Value of Spent Fuel, Transactions, Joint Meeting of the European Nuclear Society and the American Nuclear Society, Hamburg, West Germany, May 1979

Spent Reactor Fuel: Policy Implications, Transactions, 1978 Winter Meeting of the American Nuclear Society, Washington, D.C., November

Liability Limits and Insurance, Hazard Prevention, Vol. 14, No. 5, May/June 1978

Power Plant Siting and Aircraft Hazards, Transactions, ANS/CNS Meeting, Toronto, Canada, June 1976

Optimal Inspection of Pressure Vessel Welds, Transactions, ANS/CNS Meeting, Toronto, Canada, June 1976

Analysis of Ground Hazards Due to Aircraft and Missiles, Hazard Prevention, Vol. 12, No. 4, March/April 1976

Pressure Vessel Weld Integrity, Nuclear Engineering and Design, Vol. 25, December 1975

Reliability of the Core Auxiliary Cooling System, Nuclear, Vol. 34, No. 3, November 1975

Additional Comments on Estimate of Hazards to a Nuclear Reactor from the Random Impact of Meteorites, Nuclear Technology, Vol. 27, No. 2, November 1975

Weld Inspection Procedures, Transactions Third International Conference on Structural Mechanics in Reactor Technology (SMIRT), London Imperial College, September 1975

CACS Reliability in the HTGR, Transactions ANS Conference, New Orleans, Louisiana, June 1975

Risk of the Chemical Industry, Hazard Prevention, Vol. 11, No. 5, May/June 1975

Airplane Crash Model, Hazard Prevention, Vol. 11, No. 3, January/February 1975

Estimates of Hazards to Nuclear Reactors from Random Impact of Meteorites, Nuclear Technology, January 1975

Contingency System Optimization for Nuclear Power Plants, Transactions 1975 Annual Reliability and Maintainability Symposium (RAMS), Washington, D.C., January 1975

Fault Tree Analysis of Reactor Systems with Application to the Residual Heat Removal System of a BWR, Transactions ANS Computational Physics Topical Meeting, University of Michigan, Ann Arbor, Michigan, April 1973

Nuclear Reactor Stability, Transactions Western-Midwestern Meeting of the Student Branches of the ANS, Pocatello, Idaho, April 1972

Linear Stability of Fast and Thermal Reactors, Nuclear Science and Engineering, Vol. 49, pp. 99-107, 1972

Submitted for Publication

Shoulder Injuries and How They Occur, to be submitted to The Journal of **The Forensic Examiner**, 2012

Ankle Injury Mechanisms and Integrative Medicine Therapies, Submitted to and Accepted by **Annals of the American Psychotherapy Association**, to appear Spring 2013

Criteria for Air Bag Activation, submitted to The Journal of **The Forensic Examiner**, 2012