

Institute of Risk & Safety Analyses

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Laboratory of Risk & Safety Analyses

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ACADEMIC CREDENTIALS & LICENSES

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

ACCIDENT RECONSTRUCTION, HUMAN FACTORS, & BIOMECHANICS

Dr. Solomon has worked in forensic science research since 1971, addressing accident reconstruction, biomechanics, and human factors, as demonstrated by his more than 200 internationally distributed publications and reports; numerous presentations; and his 15 book co-authorships. In December 1998 (after 22 years and 9 months of service), he retired as Senior Scientist with the RAND Corporation in the Department of Engineering and Applied Sciences. Additionally, he was on the faculty at the RAND Graduate School for 18 years and was on faculty as an adjunct professor at UCLA, USC, Naval Post-Graduate School, George Mason University. He also taught the Orange County Sheriff's Academy. Dr. Solomon was a PSR (Professional Services Reserve) from 2000 to 2006, and a PSCR through July 2007, with the Orange County Sheriff-Coroner Department; he further served as a Commissioner of Policing and Safety for the City of Calabasas from 2000 to 2005. He was also a court-appointed hearing officer from 1995 through 2013.

He has taught courses on risk analyses (forensic sciences), nuclear physics, applied mathematics, uncertainty analyses, and thermodynamics/heat transfer. He has served on numerous Ph.D. dissertation and master thesis committees, was both a graduate school accreditation officer and a graduate school admissions committee member at the RAND Graduate School.

Dr. Solomon has published peer-reviewed papers and books concerning transportation accidents (automotive, trucks, motorcycles, and bicycles); industrial and recreational accidents (pressure vessels, rotating machinery, forklifts and cranes, exercise and recreational equipment, swimming pools, manufacturing and punch presses); slip-or trip-and-fall accidents; and the adequacy of warning signage.

Dr. Solomon has been court-qualified as an expert witness nearly 2400 times since 1971. In addition to his litigation practice, Dr. Solomon's practice includes providing consultation to government agencies, private companies, national laboratories, participating in televised science documentaries, and publishing in his areas of expertise.