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**2001 - 2019 University of Connecticut, Storrs, CT**

2016 – 2019 *Associate Professor Emeritus*; participates in Analysis/Probability, Actuarial, & Financial Math Seminars  
 2008 – 2019 Janet & Mark L. Goldenson Center for Actuarial Research, *Board Member*  
 2007 – 2016 Actuarial Science Program, *Associate Director for Graduate Programs*  
 2002 – 2016 Applied Financial Mathematics Program, *Director*  
 2001 – 2016 Department of Mathematics, *Associate Professor in Residence*

**2001 ING Group, Atlanta GA/Hartford CT**

Latin America Operations, *Chief Financial Officer and Chief Actuary*; ING-AIL, *Chief Financial Officer*

**1973 – 2000 Aetna Inc and affiliated companies, Hartford CT**

1992 – 2000 Aetna International Inc (non-US insurance and pensions), *Chief Financial Officer (2000) and Chief Actuary*  
 Aetna Life Insurance Company of America (Taiwan), *Appointed Actuary* (appointment stayed in effect thru 2006 in renamed ING Life Insurance Company of America)  
 Aetna Life and Casualty Limited (Bermuda), *Appointed Actuary*  
 1991 – 1992 Aetna Health Plans, *Head of Data Structure* (combined indemnity and managed care information systems)  
 1989 – 1990 Partners National Health Plans, *Northeast Regional Vice President* (HMO and PPO operations)  
 1987 – 1988 Aetna Healthcare Systems, Inc, *President and COO* (small HMO chain)  
 Aetna Casualty and Surety Co (commercial property and casualty insurance),  
 1984 – 1987 *Strategic Business Unit Head* (small commercial segment)  
*Mechanization Effort Co-Head* (commercial accounts)  
 1982 – 1983 *Large Account Underwriting Head* (field commercial segment)  
 Aetna Life & Casualty, Inc (parent holding company)  
 1980 – 1982 *Director of Investor Relations*  
 1978 – 1980 *Corporate Actuarial Staff*  
 1973 – 1977 Aetna Life Insurance Company and Aetna Variable Annuity Life Insurance Company  
*Actuarial Student* (variable annuities, group health, and group pensions)

**1972**

**Webster Academy, Webster MA**, *Assistant Principal, Mathematics Teacher, Basketball Coach*

**1971 – 1972**

**Kingsley Hall School, Westbrook CT**, *Director of Studies, Mathematics Teacher*

**Research and Professional:**

2016 “*A Dual Version of Asset-Liability Risk Modeling*” University of St. Thomas Center for Applied Math.  
 2015 “*Toward Formal Dualities in Asset-Liability Risk Modeling*”, Actuarial Research Conference, 2015  
 2015 “*Structure of the CAPM Covariance Matrix*”, ARCH 2015.1  
 2014 “*Interest Rate Modeling With Random Regimes*” Actuaries Club of Hartford/Springfield invited talk  
 2014 “*Calibration of a Regime-Switching Interest Rate Model*”, ARCH 2014.1  
 2013 “*Combinatorics for Moments of a Randomly Stopped Quadratic Variation Process*”, ARCH 2013.1  
 2012 “*Esscher Approximations for Maximum Likelihood Estimates*”, ARCH 2012.1  
 2009 “*Effect of Global Warming on Financial Discounting Methodology*”, Actuarial Research Conference, 2009  
 2008 “*Moments of a Regime-Switching Random Interest Rate Model With Randomized Regimes*”, ARCH 2008.1  
 2007 “*Random Switching Times Among Randomly Parameterized Regimes of Random Interest Rate Scenarios*”, ARCH 2007.1  
 2002 “*A Practitioner’s Regime-Switching Stochastic Interest Rate Model*”, 2001 Valuation Actuary Symposium  
 1998 “*Stationary Immunization Theory*”, Transactions of the 26<sup>th</sup> International Congress of Actuaries  
 2011 – 2019 Resource and Environmental Working Group member, International Actuarial Association  
 2011 – 2019 Project Oversight Group member for seven Society of Actuaries research projects  
 1979 – 2016 Presenter and panelist at actuarial society, academic, and insurance industry forums in the U.S., Canada, Mexico, Brazil, the U.K., India, Malaysia, the Philippines, and Taiwan  
 1980 – 1990 Editorial Board, Transactions of the Society of Actuaries  
 1980 Member, American Academy of Actuaries  
 1978 – 1979 Research to support American Council of Life Insurance committees developing the dynamic valuation interest rate proposal adopted by the National Association of Insurance Commissioners in 1980

**Education:**

2009 Society of Actuaries, Chartered Enterprise Risk Analyst  
 1973 – 1979 Society of Actuaries, Fellow  
 1969 – 1971 Yale, study and research in Mathematics (algebraic topology); passed Ph.D. qualifying exams; no dissertation  
 1969 Yale, M.A., Mathematics  
 1967 Notre Dame, A.B., Mathematics, *magna cum laude*

**Community:**

2009 – 2017 Real Art Ways, Hartford CT, Board Vice-Chair, Governance Committee, Finance Committee  
 1980 – 1995 Greater Hartford Easter Seals Rehab Center, Board Member, Finance Chair  
 1981 – 1987 Board of Education, Windsor CT, Member and President (1983 – 1985)  
 1975 – 1981 Jaycees, Windsor CT, Board Member, Officer, U.S. Jaycees Ambassador Award