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- 2001 - 2021** **University of Connecticut, Storrs, CT**  
2016 – 2021 *Associate Professor Emeritus*; participates in Analysis/Probability, Actuarial, & Financial Math Seminars  
2008 – 2021 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-AII, *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 – 2021 Resource and Environmental Working Group member, International Actuarial Association  
2011 – 2021 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