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Ph.D. Physical Organic Chemistry University of Minnesota 1984

Employment: Application Engineer in the Automotive and Aerospace Solutions Division of 3M. 35 years at 3M with various roles in R&D, Management and Application engineering focused around adhesives. Author or coauthor of 20+ patents and over 60 invention submissions. Authored or coauthored 12 industry papers. Chaired 3M's internal Technical Organization "the Tech Forum". Lean Six Sigma Black Belt (DSFF) Certified 2007. 3M 14 CFR 25.853 Test Expert since 2008. Aerospace adhesives for Interiors Build Experience since 2008. Currently Dispensing and Automation Scientist for Automotive and Aerospace Solutions Division.

Industry: Participant/member of the Fire Testing Working Forum since 2008 including 14 CFR 25.853 Fire Testing Standardization Working Group. Active member of SAMPE since 2001. Volunteer Board Member of several Charity organizations since 2004. Currently BoD member for The Learning Jet, a STE(A)M education organization.