

My ~34 year Technical Career at GE

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Abstract

The presentation will give a “flying” tour of some of the technical work that I personally had been involved in over my ~ 34 years with GE at its various businesses and at its Global Research Center. I will summarize all my work that is available in the public domain, mainly with the US Patent Office and IEEE Xplore. It will cover my work in electrical devices such as bus work, circuit breakers as well as in the M & D area. However, the main focus will be on various types of electrical machines ranging in temperatures from 40° K (-233° C) to 300° C, pressures from 1 to 300 bars, ratings from a few kW to 1 GW, speeds from 10 RPM to 30,000 RPM, voltages from ~100’s of Volts to 27 kV, and so on! The application space ranges from Aviation to Defense to Power Generation to Water to Oil & Gas to Transportation!

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