

## **Biography**

Doug holds a B.A. in Chemistry and Physics from Carthage College, Kenosha, Wisconsin, and a B.S. in Electrical Engineering from the University of Wisconsin, Madison. He worked 9 years for the Navy, 8 years as Technical Director of Contamination Studies Labs, and 18 years at Rockwell Collins, in the Advanced Operations Engineering group, where he is a principal materials and process engineer. Doug was awarded the Rockwell Collins Arthur A Collins Award in 2004. Doug is a long time IPC chairman and was awarded the IPC's Hall of Fame Award in 2017. Doug is most notably known for his expertise in surface insulation resistance testing, cleaning and cleanliness assessment, conformal coatings, and how to qualify manufacturing processes. He has been a U.S. representative to ISO and IEC working groups on SIR, electromigration, and cleanliness reliability standards. He has participated in numerous national and international consortia on electronics manufacturing materials and processes.

Name for Program: Doug Pauls

Title: Principal Materials and Process Engineer

Company: Rockwell Collins