ONLINE 2022 DOE SUMMIT

Paul Mullenix

Consultant, Statistical/Quality Methods and Six Sigma for Manufacturing, Research and Service Industries

Paul has a wide range of experience with 15 years in semiconductor industries serving various roles as Senior Staff Statistician, Director of Quality & Reliability and Director of Customer Service; 11 years in international statistical consulting based in Malaysia; and most recently, over 7 years as Director of Global Statistics and Six Sigma for Entegris supplying materials into the semiconductor, industrial and life sciences markets. Before joining industry, he was Assistant Professor of Statistics and Mathematics at the University of North Florida for 3 years.

From using Six Sigma within a company, to training and coaching both internally and as an external consultant, Paul has worked with over 25 companies to facilitate breakthrough improvements and achieve business goals using the Six Sigma methodology. He has taught and coached all levels from Yellow to Green to Black to Master Black Belts and Management spanning R&D (DFSS), manufacturing and service industries. He takes pride in finding novel and fun ways to aid the learning experience for engineers, scientists, managers and even non-technical staff. Paul believes that learning statistical methods is best done through a passionate statistician who has the academic background to know why the methods work coupled with the industrial experience to know how the methods work. Paul teaches not only a full range of Six Sigma courses, but also basic to very advanced courses in MSA, SPC, Data Mining, DOE, Reliability and other statistical and quality topics. Many of these courses cover aspects of industrial applications which are not found in typical textbooks.

Innovative consulting solutions has been a hallmark of his career with new methods developed for short-run SPC, spares simulation, destructive measurements, effective resolution, particle shedding models, accurate methods for count estimation by weight, censored data, robust zero-inflated techniques, unique specification setting methods, new verification and validation solutions, and even a method to ensure better detection of fever in Covid-19 entrance screening.

Paul holds a Ph.D. in Statistics from the University of Florida with research area in directional data. He has held Vice President and Treasurer offices in the Florida Chapter of the American Statistical Association and published over 15 articles. Paul is married to a wonderful statistician with four statistically significant children.