

## Marcus W. Shute, P.E., Ph.D

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Dr. Marcus W. Shute, P.E. has actively participated in R, D&E activities in optical communications, wireless communications, and telecommunications since 1983. He is experienced in leading cross-functional R&D groups to transition technology innovations from laboratory prototypes to products in compressed timeframes. During his tenure at Bell Laboratories, Lucent Technologies, he developed expertise, led development efforts, obtained several patents, and is widely published in optical fiber communications, wireless communications, optical fiber amplifiers, planar waveguide technology, polarization phenomena, electronic materials, and initiatives related to increasing minority participation in STEM. During his career, Dr. Shute has served as a Distinguished Member of Technical Staff at Bell Laboratories, AT&T and Lucent Technologies; Vice President of Engineering and as Vice President of Advanced Technologies at Luxcore Networks, Inc., an optical networking systems start-up company; CEO of Shute Enterprises, Inc., a consulting firm; President and Chairman of Nile Valle Investment Group, Inc., a real estate investment company; Co-founder and Director of Aspire 2B, Inc., an educational non-profit, and as Vice President for Research and Sponsored Programs and Professor in the College of Engineering, Technology, and Computer Science at Tennessee State University where he was responsible for managing and leading the research enterprise at the University. Currently, Dr. Shute is the Vice President for Research and Sponsored Programs and Professor at Clark Atlanta University.

Dr. Shute has received numerous awards and honors including the Honor Society of Phi Kappa Phi, Senior Member of IEEE, selection as Distinguished Member of Technical Staff by Bell Laboratories for sustained technical contributions, 1994 Most Promising Engineer by *U.S. Black Engineer* magazine, 1999 Golden Torch Award for Engineering Excellence by the National Society of Black Engineers, 2005 NTA Technical Achiever of the Year Award - Engineering by the National Technical Association, 2006 Golden Torch Award for Alumni Technologist of the Year by the National Society of Black Engineers, and finalist in the 2000 Mission Specialist Astronaut Program of NASA. He was also appointed to serve on The National Academies Emerging Research Institutions Committee in 2007. Dr. Shute earned a B.S. in Mechanical Engineering at Tennessee State University becoming the first student to graduate with a 4.00 out of 4.00 cumulative grade point average, an S.M. in Materials Science at the Massachusetts Institute of Technology, and an M.S. and Ph.D. in Mechanical Engineering at the Georgia Institute of Technology. Dr. Shute is also a life member of the Omega Psi Phi Fraternity, Inc., and an All-American USA Track and Field Master's track athlete and currently a sprinter with the Southwest Sprinters Track Club, Houston, TX and formerly with the Atlanta Track Club, Atlanta, GA.