



SECOND INTERNATIONAL NANOTECHNOLOGY CONFERENCE ON COMMUNICATIONS AND COOPERATION

Speaker's Biography

Ralph K. Cavin, III, SRC



A native of Natchez Mississippi, Dr. Cavin received his BSEE (1961) and MSEE (1962) from Mississippi State University and his PhD in Electrical Engineering from Auburn University in 1968. From 1962-1965, served as a Senior Engineer at the Martin-Marietta Company in Orlando, Florida. At Martin, Dr. Cavin was involved in the design and manufacture of missile guidance and control systems.

After taking his Ph.D., Dr. Cavin joined the faculty of the Department of Electrical Engineering at Texas A & M University where he became a Full Professor and also served the department as Assistant Head for Research. In 1983, he joined the Semiconductor Research Corporation and served as the Director of Design Sciences Research Programs until 1989. He became Head of The Department of Electrical and Computer Engineering at North Carolina State University from 1989 - 1994 and was Dean of Engineering at North Carolina State University from 1994 - 1995. He is currently Vice President for Research Operations at the Semiconductor Research Corporation.

Dr. Cavin's technical interests span VLSI circuit and system design, computer-aided design of microelectronic systems, control theory with applications to semiconductor manufacturing, and applications of computing and telecommunications to engineering education. He has authored or co-authored over 100 refereed technical papers and contributions to books. Dr. Cavin is a Life Fellow of the Institute for Electrical and Electronics Engineers (IEEE) and has participated actively in society programs. He has served as a consultant to a number of government, industrial, and academic institutions and is a member of the Board of Directors and a Fellow of the International Engineering Consortium, a member of the IEEE Computer Advisory Board and Chair of the Scientific Advisory Board for the Institute of Microelectronics in Singapore.