Abstract

electrodynamics—that does not rely on Maxwell’s equations, but rather uses the quantum nature of matter as its sole basis. Mead starts with Cramer’s deterministic interpretation of quantum mechanics proven to be equivalent to the standard indeterminate interpretation. This alienates many scientists who have been taught that Einstein was wrong and God does play dice. “Carver Mead is a key pioneer of modern microelectronics. His 40-year academic and industry career touches all aspects of microelectronics, from spearheading the development of tools and techniques for modern integrated circuit design, to laying the foundation for fabless semiconductor companies, to catalyzing the electronic design automation field, to training generations of engineers, to founding more than twenty companies, including Actel Corporation, Silicon Compilers, Synaptics, and Sonic Innovations.” “Carver’s career is characterized by an endless string of "flr Introduction to VLSI systems. by. Mead, Carver; Conway, Lynn, joint author. Publication date. 1980. 0. Identifier. introductiontovl00mead. Identifier-ark. ark:/13960/t29895n78. An interview in July 1996 with Carver Andress Mead, Gordon and Betty Moore Professor of Engineering and Applied Science (as of 1999, Moore Professor emeritus). Dr. Mead received his undergraduate and graduate education at Caltech (BS, 1956; MS, 1957; PhD, 1960). He joined the Caltech faculty in 1958, becoming a full professor in 1967. In this interview, he recalls growing up in the mountains east of Fresno, father’s work for the Southern California Edison Company; early education in a one-room schoolhouse, then high school in Fresno. Early interest in electronics. Enters Caltech in 1952. Fresh