



**Simon M. Sze**

**Dr. Simon M. Sze** received his B. S. degree from the National Taiwan University, M. S. from the University of Washington, and Ph. D. from Stanford University, all in Electrical Engineering.

Dr. Sze was with Bell Telephone Laboratories from 1963 to 1989 as a member of the Technical Staff. He joined the National Chiao Tung University(NCTU) from 1990 to 2006 as a Distinguished Professor. At present, he is a Consulting Professor at Stanford University and an Honorary Chair Professor at NCTU. Dr. Sze has served as a visiting professor to many academic institutions including the University of Cambridge, Delft University, Beijing Jiaotong University, Tokyo Institute of Technology, and Swiss Federal Institute of Technology.

He has made fundamental and pioneering contributions to semiconductor devices, especially the metal-semiconductor contacts, microwave devices, and submicron MOSFET technology. Of particular importance is his co-invention of the non-volatile semiconductor memory(NVSM) which has subsequently given rise to a large family of memory devices including the Flash memory and the EEPROM. The NVSM has enabled the development or enhanced the performances of all modern electronic systems such as the cellular phone, notebook computer, personal digital assistant, digital camera, digital television, smart IC card, electronic book, portable DVD, MP3 music player, automatic braking system(ABS) and global positioning system(GPS).

Dr. Sze has authored or coauthored over two hundred technical papers. He has written and edited 14 books. His book "*Physics of Semiconductor Devices*"(Wiley, 1969; 2<sup>nd</sup> Ed, 1981; 3<sup>rd</sup> Ed, 2007) is one of the *most* cited works in contemporary engineering and applied science publications(over 17,000 citations according to ISI Press). Dr. Sze has received the IEEE J. J. Ebers Award, the Sun Yet-sen Award, the National Endowed Chair Professor Award, and the National Science and Technology Prize. He is a Life Fellow of IEEE, an Academician of the Academia Sinica, a foreign member of the Chinese Academy of Engineering, and a member of the US National Academy of Engineering.