

Chih-Yuan (C. Y.) Lu

President

Macronix International Co., Ltd., R.O.C.



Chih-Yuan (C. Y.) Lu received the B.S. degree from National Taiwan University in 1972, and M.A., M.Ph., and Ph.D. degrees from Columbia University, in 1974, 1975, and 1977, respectively, all in physics.

C.Y. became an Associate Professor and Professor in National Chiao-Tung University (1978-83). In 1984, Dr. Lu joined AT&T Bell Laboratories where he has been engaged in BCDMOS IC technology, CMOS DRAM, and submicron Logic ULSI technology.

Dr. Lu was recruited by Electronics Research & Service Organization, Industrial Technology Research Institute (ERSO/ITRI) in late 1989 as a Deputy General Director responsible for Taiwan National Submicron Project. This project successfully developed Taiwan first 8-inch CMOS submicron manufacturing technology which brought Taiwanese IC industry to the world wide stage. He was therefore granted the highest honor prize--*National Prize for Science & Technology Achievement* by the Prime Minister of ROC, due to his leadership and achievement in this Submicron Project.

In late 1994, Dr. Lu co-founded Vanguard International Semiconductor Corporation, which was a spin-off memory IC Company from ERSO/ITRI's Submicron Project. He was a VP, and later as President. He brought Vanguard from an R&D Lab to a 400 million US dollars sales company and IPO in 1998.

Dr. Lu is the founding Chairman of Ardentec Corp. a VLSI testing company. C. Y. served Macronix International as President. Dr. Lu lead Macronix's overall operation, and technology and product development teams to successfully achieve the state of the art nonvolatile memory technology with the most competitiveness which makes Macronix as one of few memory companies could profitable in recent years, now Macronix is the leading nonvolatile semiconductor memory company in world.

C.Y. has authored and co-authored more than 360 technical papers and 140 international patents. He has been awarded the Taiwan *National Invention Award*; and the most prestige R&D award in Taiwan – *Pan Wen Yuan Outstanding Research Award*. He received *IEEE Third Millennium Medal*. Dr. Lu is the 2012 *IEEE Frederik Philips Award* recipient, the first one from greater China.

Dr. Lu has been Vice-Chairman, Chairman of IEEE Electron Devices Society, Taipei Chapter; and Board Director and Supervisor of IEEE Taipei Section.

Dr. Lu is a *Fellow* of IEEE, a *Fellow* of American Physical Society (APS).