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Education

1990 Ph.D in Electrical Engineering, Katholieke University Leuven (KUL), Belgium

1986 M.S. in Electrical Engineering, Katholieke University Leuven (KUL), Belgium

1982 B.S. in Electronics Engineering, National Chiao Tung University

Research Interests

1. VLSI algorithms and architectures for high-throughput DSP applications
2. Very low bit coding
3. Multi-media signal processing
4. High-speed networking
5. System-on-chip design technology

Professional Experiences

From 1986 to 1990, he was with IMEC/VSDM, Belgium, working in the area of architecture synthesis for DSP. In February 1991, he joined the faculty of the Electronics Engineering Department, National Chiao Tung University, Hsinchu, Taiwan, where he is currently a Professor and Department Chair. He served as the Director of the Chip Implementation Center (CIC), an organization for IC design promotion in Taiwan. He is now the microelectronics program coordinator of Engineering Division under National Science Council of Taiwan. Prof. Lee was the former ISSCC committee member (2005~2006), the former IEEE Circuits and Systems Society Taipei Chapter Chair.

Research Publications

Website: <http://si2.ee.nctu.edu.tw/>

由學術創新到藍海商機

李鎮宜 2007/12/28

交通大學電子工程學系

摘要: 當台灣的矽路之旅即將邁入五十年之際,如何結合學術界的創新研發能量,在現有產業的基石上,強化國內產學研的互動,一方面協助產業界擴大國際競爭優勢,一方面帶動相關產業更多的藍海商機,已是產官學研各單位所必須正視面對的重大議題.個人願就過去二十年從事半導體設計和資通應用的研究心得,和諸位一起分享,期盼學界在發表漸進式和先導性的學術研究成果之際,可更進一步思考將學術能量轉化為具產業加值效益的藍海商機.

Abstract: As Silicon Road in Taiwan will enter another half century in year 2008, it is quite important to leverage those available research momentums from Academia to help domestic industry to gain global core-competence and create blue-ocean business opportunity. Based on the current industry platform, we need to emphasize the interaction among industry, academia, and research institutions. This issue should be faced in a more serious manner when we take into account both paradigm shift and globalization trend. As a result, I would like to share my personal R&D experiences in semiconductor design and ICT industry from the last 2 decades—that is, in addition to publishing incremental and pioneering research results, there are a lot of opportunities for scientists to explore further, especially transforming academic momentum to value-added business opportunities.