

Professor Shuo-Yen Robert Li

Professor Shuo-Yen Robert Li received his BS degree from National Taiwan University in 1970 and his PhD degree from UC Berkeley in 1974, both in mathematics. He taught applied mathematics at M.I.T. in 1974-76 and math/statistics/CS at UI Chicago in 1976-79. After a decade working on switching systems and theoretic research at Bell Labs/Bellcore, he became Professor of Information Engineering at The Chinese University of Hong Kong in 1989. He was also appointed Advisory Professor of Beijing University of Post & Telecom in 2005.

Professor Li is the pioneer in Algebraic Switching Theory with much of his original findings published through the book *Algebraic Switching Theory and Broadband Applications*, Academic Press, 2001. He is also a cofounder of Network Coding Theory with the paper “*Linear Network Coding*” by Li-Yeung-Cai winning the 2005 *IEEE Information Theory Society Paper Award*. He holds 31 US patents and pending patents. His journal publications appear in a spectrum of fields, including Algorithms, Applied Algebra, Applied Topology, Communications, Commutative Algebra, Computers, Discrete Mathematics, Game Theory, Information Theory, Micro Systems, Probability, Statistics, Stochastic Control, and System Science. Twice he delivered keynote speeches at international conferences.

李碩彥教授

李碩彥教授於 1970 年獲國立台灣大學數學理學士學位，並於 1974 年獲加州大學柏克萊校區數學理學博士銜；曾分別於麻省理工學院教授應用數學（1974-76 年），以及於伊利諾大學芝加哥校區教授數學、統計學及計算機科學（1976-79 年）；後來轉投貝爾實驗室研究交換系統及工程理論。1989 年出任香港中文大學訊息工程講座教授，並於 2005 年獲委任為北京郵電大學顧問教授。

李教授始創代數交換理論，其主要研究結果發表於《代數交換理論和寬頻應用》（*Algebraic Switching Theory and Broadband Applications*, Academic Press, 2001）一書中。他亦是「網絡編碼理論」的創始者之一。其與楊偉豪教授及蔡寧博士合著的論文《線性網絡編碼》獲得 2005 年 IEEE 信息理論學會論文獎。他共持有三十一項美國專利權與申請中專利權。李教授研究涉獵甚廣，在多個範疇的學術期刊上有論文發表，包括演算法、應用代數、應用拓撲學、通訊、交換性代數、計算機、離散數學、博弈論、信息論、微型系統、概率、統計學、隨機控制、和系統科學。李教授亦曾兩度在國際學術研討會上發表主題演講。