

紀念 資通訊時代的 領航與擘畫者林寶樹教授

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我們敬愛的林寶樹教授於 2022 年 11 月 13 日逝世，享年 74 歲。為感念林寶樹教授對本校至整個資訊領域產、學、研各界之貢獻，本校特別於 2022 年 12 月 23 日為林寶樹教授舉辦緬懷追思會，廣邀各界先進出席參與，共同回顧林寶樹教授的人生歷程與卓越事蹟，以此悼念並緬懷此位身兼研究者、教育家及台灣寬頻網路通訊應用重要推手等多重身分的資通訊領域優秀人才。

回顧寶樹教授的人生歷程，出生於屏東縣內的小農村，寶樹教授共有三名手足，在雙親的悉心栽培下，四兄弟姊妹皆取得大學學位，可見其父母對於下一代教育的重視，同時體現寶樹教授與眾手足奮發向上、積極進取的企圖心。自屏東縣新埤國小、省立潮州中學打下穩固學習基礎，寶樹教授接著考入省立臺南第一高級中學，而後於 1966 年進入國立交通大學，成為交大人，並於 1970 年畢業（59 級）。取得國立交通大學計算與控制工程學士學位後，寶樹教授選擇進入國立交通大學電子研究所進修碩士（62 級），之後留任交通大學擔任計算工程學系專任講師。

從事教職期間，深感所學仍有不足的寶樹教授面臨出國深造或就業的選擇難題，經指導老師郭南宏教授的指點與鼓勵，其順利獲得學校資助，前往美國留學。並於 1976 年取得佛羅里達大學電腦工程碩士學位，接著於 1980 年取得伊利諾大學芝加哥校區電腦科學博士。完成學位後，寶樹教授開始他在美國的職業生涯，先後擔任 AT & T 貝爾實驗室（Bell Labs）高級研發研究員、Racal Data Comm. 數據通訊公司研發經理、美國波音公司（Boeing Computer Services）網路軟體開發經理、Teknekron Comm. Systems

公司網路部門資深經理等要職。憶起這段美國學、職涯經歷，寶樹教授認為自己有幸能參與全球一流公司的開發流程，見證頂尖資通訊領域技術革新，實屬寶貴且難得的人生經驗，且很大程度上地開拓自身的眼界。

1991 年，寶樹教授帶著海外實務經驗歸國，先後擔任工業技術研究院（下稱工研院）電腦與通訊工業研究所電腦通訊組組長、副所長，為我國網路與通信的研發與管理奠定堅實研究基礎；更於 1997 年接受網羅成為飛利浦全球研究實驗室資深副總裁、亞洲研究院院長，肩負振興起敝的使命，也確實帶領飛利浦突破開發瓶頸，締造實驗室營運呈現逐年加倍成長的奇蹟。受當時工研院史欽泰院長之邀，寶樹教授於 2001 年回台擔任工研院電腦與通訊研究所所長，同時秉持「為台灣做研發」的精神接任電通所所長，致力提升我國資通訊研發實力、協助開創友善人才的產業環境。

2009 年自工研院榮譽退休後，寶樹教授選擇返回母校交通大學，成為本校資工系終身講座教授，兼任電資中心主任。其不遺餘力協助年輕學者作研究為職志，並輔導績優的博士後研究員尋找教職，讓研究者、教育家的經驗與熱忱得以傳承延續，可謂飲水思源的最佳典範。投身資通訊領域三十載，寶樹教授發表過 120 篇重要的技術與管理論文，獲得 IEEE 第三千禧年獎章（Third Millennium Medal, 2000）、IEEE 2007 院士榮銜等傑出獎項，如此資通訊領域巨擘，將一生所學奉獻給他的母校，他的家鄉，他所熱愛的這片土地，且讓我們以此文紀念這位推動資通訊時代高速發展的領航先鋒！



In Memory of Professor Bao-Shuh Paul Lin, a Pioneer and Visionary in the Information and Communications Technology (ICT) Era

It is with profound sadness that we announce the death of our colleague and friend, Professor Bao-Shuh Paul Lin, who passed away on November 13th, 2022 at the age of 74. In gratitude for Professor Bao-Shuh Paul Lin's contributions to National Yang-Ming Chiao Tung University and the computer science industry, academia, and research fields, our university held a memorial service to honor and remember him on December 23rd, 2022. We cordially invited all distinguished guests from various fields to join us in the memorial service and reflect on the remarkable life journey and accomplishments of Professor Lin. This event is to express our grief and honor his exceptional contribution to the field of information and communications technology, where he excelled as a researcher, educator, and a pivotal figure in advancing the broadband communication applications in Taiwan.

Professor Lin was born in a small farming village in Pingtung County and grew up with three siblings. All four siblings have received their university degrees, which is a testament to the careful upbringing they received from their parents. This highlights the value that their parents placed on education for the next generation, as well as the ambitious and proactive approach towards self-improvement shared by Professor Lin and his siblings. Professor Lin built a solid educational foundation at Shinpi Elementary School and National Chao-Chou Senior High School in Pingtung County, then continued his studies at Tainan First Senior High School before enrolling in National Chiao Tung University in 1966. He graduated in 1970 (Class of '59). Following his Bachelor's degree in Computer and Control Engineering from National Chiao Tung University, he decided to pursue a Master's degree at the Institute of Electronics at NCTU (Class of '62) and stayed on as a full-time lecturer in the Department of Computer Engineering.

Professor Lin realized that he lacked sufficient knowledge during his time as a lecturer, which presented him with the challenging decision of either pursuing further studies overseas or seeking employment. With the guidance and encouragement of his mentor, Professor Nan-Hung Kuo, he successfully received grants from the university and went to study in the United States. He earned a master's degree in computer engineering from the University of Florida in 1976, followed by a PhD in computer science from the University of Illinois at Chicago in 1980. After earning his PhD, Professor Lin began his professional career in the United States, including positions such as senior research scientist at AT&T Bell Labs, research and development manager at Racal Data Comm., network software development manager at Boeing Computer Services, and senior manager of the network division at Teknekron Comm. Systems. After contemplating his time studying and working in the United States,

Professor Lin deems himself lucky to have participated in leading global companies, witnessed pioneering advancements in the foremost areas of information and communications, and acquired exceptional and precious life experiences that has greatly broadened his horizons.

In 1991, Professor Lin returned to Taiwan after gaining practical experience abroad. He took up the position of Head and Deputy Director of the Computer Communications Division at the Industrial Technology Research Institute (ITRI) with the aim of establishing a strong research foundation for the development and administration of Taiwan's network and communication technology. He joined Philips in 1997 as Senior Vice President of Global Research Labs and Director of the Asian Research Institute, taking on the responsibility of revitalizing the company. He effectively guided Philips in surmounting developmental obstacles and witnessed the miracle of doubling annual growth. Subsequently, Professor Lin accepted an offer from President Chintay Shih of ITRI to return to Taiwan in 2001 and lead Information and Communications Research Laboratories. He took over as the director of Information and Communications Research Laboratories with the spirit of "conducting research and development for Taiwan", aiming to promote the development of Taiwan's information and communications technology industry and help create a friendly environment for talented professionals in research and development.

After retiring with honors from the Industrial Technology Research Institute in 2009, Professor Lin chose to return to National Chiao Tung University, his alma mater, as a Lifetime Chair Professor in the Department of Computer Science, and the Director of Information Technology Service Center. He spares no effort in assisting young scholars in pursuing research as their career aspiration, and mentoring outstanding postdoctoral researchers in finding teaching positions. He is truly an excellent model of remembering one's roots and giving back, allowing the experience and passion of researchers and educators to be passed down and continued. Professor Lin has devoted himself to the information and communications technology field for three decades. Throughout his career, he has published 120 significant papers on technical and management topics, and received numerous awards, including the IEEE Third Millennium Medal in 2000 and the title of IEEE Fellow in 2007. Professor Lin, a prominent figure in the field of information and communications technology, devoted his life to serving his alma mater, hometown, and the land he cherished. Let us dedicate this article to commemorate Professor Bao-Shuh Paul Lin, the pioneer driving the rapid development of the information and communications technology era.