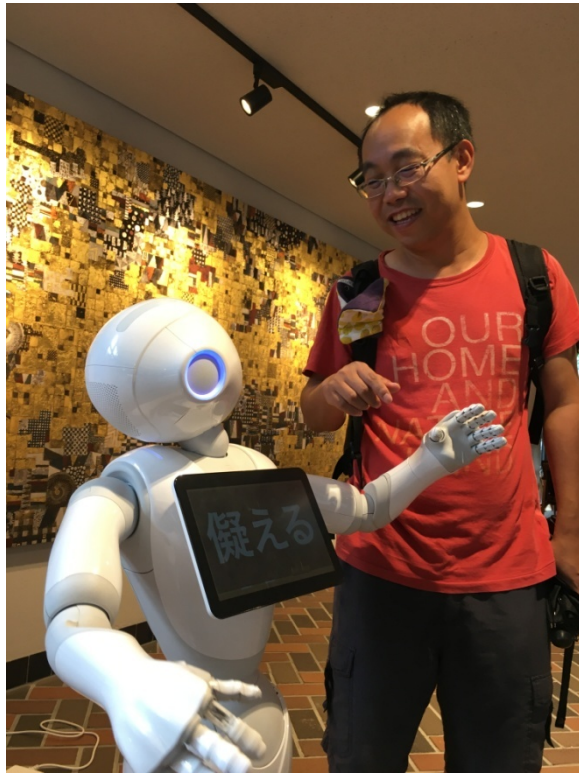


國立清華大學第 3 屆傑出產學研究獎得獎人簡介



電機系翁詠祿教授

翁詠祿教授 1997 年畢業於台大電機系，2001 年獲得博士學位，在工業界服務四年之後即到本校電機系與通訊所任職。翁教授的研究方向在通道編碼、數位通訊以及通訊積體電路設計。所領導的實驗室在錯誤更正碼的編解碼演算法、通訊與儲存系統上的應用、以及相關的硬體設計方面研究成果豐碩，近五年發表 18 篇學術論文於國際一流期刊，獲得 7 件美國以及 7 件台灣專利，並於去年獲得臺灣積體電路設計學會傑出年輕學者獎的獎勵。

翁教授的研究不僅具學術價值且兼具產業應用，自本校電機系服務至今，致力於「錯誤更正碼及其 IC 設計」之研究；所領導的實驗室已成功開發 Wi-Fi、10Gbps Ethernet、SRAM、Flash memory 等應用相關的錯誤更正編解碼技術；除此之外，也與工研院(ITRI)合作提出 18 件 IEEE 802.16 相關標準的技術提案。所研發的多項技術也已獲得專利並成功技轉至國內的領導廠商，優異的技轉績效讓翁教授獲得本校 101 以及 102 產學合作績優獎的獎勵。

有幸能獲得本校 105 年度傑出產學研究獎的肯定，翁教授首先要感謝博士論文指導教授林茂昭老師的栽培與指導，才能有機會貢獻所長。此外，感謝本校電機系與通訊所提供優良的研究環境與資源，資深同仁們於研究上的協助與提攜，科技部研究經費的支持。更要感謝每一位研究生以及合作夥伴們辛勤努力與付出，才能有今天的成果。最後，也要感謝家人無怨無悔的支持，讓我能夠更投入在熱愛的工作上。翁教授期許自己未來在清華，不論在學術研究或產學合作上，能發揮所長、盡心盡力，希望能對國內相關產業有所貢獻。

Dr. Ueng received his B.S. degree in Electrical Engineering from the National Taiwan University (NTU), Taipei, Taiwan, R.O.C., in 1997. He then received his Ph.D. degree in Communication Engineering from the Graduate Institute of Communication Engineering at the same university, in 2001, respectively. From 2001 to 2005, he was employed at a private communication technology company. Since December 2005, He has been a member of the faculty at the National Tsing-Hua University (NTHU), Hsinchu, Taiwan, R.O.C., where he is currently an Associate Professor in the Department of Electrical Engineering and the Institute of Communications Engineering.

His research interests include channel coding, digital communications, and VLSI design for communications. He has published 27 IEEE journal papers. These journal papers have been published in the flagship IEEE Transactions in the areas of communications and IC design. In addition to academic activities, he has collaborated closely with numerous private companies in the technology industry in Taiwan and with the Industrial Technology Research Institute (ITRI). He has been granted seven patents in the USA and seven patents in Taiwan, and has presented 18 technical contributions related to the IEEE 802.16m and 802.16p standards, and the devised technologies have been successfully transferred to industry. For these industry-related achievements, He has twice been the recipient of the Excellent Industry-Academia Collaboration Award from NTHU in 2013 and 2014. In addition, he has been the recipient of the Distinguished Young Scholar Award from Taiwan IC Design society in 2015.

Dr. Ueng would like to appreciate his advisor, Prof. Mao-Chao Lin, for his guide and help. He also want to thank the Department of Electrical Engineering and the Institute of Communications Engineering for providing such excellent research facilities as well as a stimulating atmosphere, and the department colleagues for their help and guide. He also wishes to thank his graduate students for their hard work. In addition, he wants to appreciate his family who always support him.