

## 國立清華大學第7屆傑出產學研究獎得獎人簡介

周卓輝教授畢業於美國前十大名校密西根大學，並取得博士學位，曾任 IBM 研究中心之客座科學家、清大畢聯室主任、清大材料系系主任等。截至目前，周教授已榮獲 49 項次國內外獎項，於美國、韓國、中國、與台灣等地總計獲有 95 項專利，在 OLED 殺手鐮技術與相關技術上，做了專利配套布局，重大發明包括全球第一個類太陽光 OLED、燭光 OLED、藍害量化技術等；至今，總計帶給清華大學計畫經費 2 億多元，產學合作金額 4 千 6 百多萬，技術轉移金額 9 百多萬，為清華大學獲取可觀的技轉金，也因此多次榮獲工學院與校方傑出產學合作等獎項。周教授在國際期刊發表了 208 篇論文，累計 5403 引用次數，H-index 為 40，其中，製作高效率 OLED 方法(Approaches for fabricating high efficiency organic light emitting diodes)，發表於 Journal of Materials Chemistry C，於 2017 年獲英國皇家化學會，選為最高引用作者 (至今已被引用 385 次)，名列前百分之一 (Top 1%)；除了研究上的眾多貢獻，周教授在教學上也有優異的表現，在《光與健康》議題方面，國內外受邀演講百餘次；著作教科書 3 本，分別是至今第三版的《工程倫理：100 個個案故事》、黑白與彩色版的《OLED 導論》與《材料科學概論》。受商周出版社之邀，最近將推出《擁抱暗黑：一個科學家的睡眠故事》，提供《宅世紀》一本對抗全球《藍害疫情海嘯》、拯救睡眠、拯救眼睛健康的科普好書。

Professor Jwo-Huei Jou graduated with a doctorate degree from the University of Michigan, one of the top ten universities in the United States. He was a visiting scientist at the IBM Research Center, director of graduate student association of National Tsing Hua University (NTHU), and department chair of Department of Materials Science and Engineering, NTHU. Up to now, Professor Jou has won 49 domestic and foreign awards, and 95 patents in the United States, South Korea, China, and Taiwan. He has made a patent supporting layout in OLED killer technology and related technologies. Major inventions include the world's first sunlight-style OLED, candlelight OLED, blue hazard quantitative technology, etc.; so far, Professor Jou has brought NTHU a total of more than 200 million NT dollars in project funding, more than 46 million in industry-university cooperation, and more than 9 million in technology transfer. He has won many awards such as outstanding industry-university cooperation awards from the institute of engineering and NTHU. In addition, Professor Jou published 208 papers in international journals with a total of 5,403 citations and an H-index of 40. Among them, *Approaches for fabricating high efficiency organic light emitting diodes* was published in Journal of Materials Chemistry C. In 2017, Professor Jou was selected as the most cited author by the Royal Society of Chemistry (the paper has been cited 385 times so far), and ranked

among the top one percent (Top 1%); in addition to his numerous research contributions, Professor Jou also has excellent teaching performance, on the topic of "Light and Health", more than 100 invited lectures at home and abroad; 3 textbooks, including the third edition of "Engineering Ethics: 100 Case Stories", "OLED Introduction" and "Introduction to Materials Science." Invited by Business Weekly Publishing House, "Embracing Darkness: A Scientist's Sleep Story" will be launched recently, providing the "stay-at-home generation" a popular science book to fight against the global "blue hazard epidemic tsunami" for saving our sleep, eyes and health.