國立清華大學第 3 屆傑出產學研究獎得獎人簡介

動機系方維倫教授

方教授專長為微機電系統(MEMS)，長期投入微機電系統的設計、製程、與測試技術的研發，以及機械特性的探討，近年來致力於多種機械、物理、和環境感測器的開發。方教授也投入微感測器應用之研究，並執行多項相關計畫，包括科技部群體計畫，以及園區數家公司的產學計畫，成果對我國在物聯網、智慧生活、及產業4.0有重要的影響與貢獻。方教授積極協助推動國內微機電相關產業，並於2013年成立微感測器與致動器產學聯盟，目前會員公司近40間，包括：設計、製造、封測、設備等公司，提供業界技術開發、策略規劃、異業結合等全方位之協助，貢獻卓著。方教授曾擔任中華民國奈微系統科技協會理事長，目前在重要國際性半導體組織SEMI Taiwan的MEMS and Sensor Committee擔任Vice Chair，協助拓展台灣及全球微機電和感測器產業的應用。此外，方教授曾獲得三次國科會/科技部傑出研究獎，在微機電領域享有極高的國際知名度和學術聲望，除了在重要的國際期刊*J. of Micromech. Microeng.*擔任Chief Editor，也擔任其他4份頂尖國際期刊的編輯委員，並分別於2012和2015獲選為英國 IoP (Institute of Physics) Fellow 和美國 IEEE Fellow。透過其影響力，方教授成功爭取多項重要國際會議於台灣舉辦，如*IEEE Sensors, Micromachine Summit,*及*Transducers*，並擔任研討會重要職務，對提升我國微機電領域在國際的學術能見度，有卓越的貢獻。

Professor Weileun Fang received his PhD from Carnegie Mellon University. His research focuses are the design, fabrication, and testing of microsystems. Recently, he mainly dedicates on the development of physical, mechanical, and environmental sensors for the applications of the “Internet of things” and “Industry 4.0”Prof. Fang has very close collaboration with industry. Since 2013, Prof. Fang has established the Micro Sensors and Actuators Technology Consortium (uSAT) to offer the domestic MEMS companies technologies and services. So far, near 40 companies, including the design house, foundry, packaging/testing house, and equipment supplier, have joined the uSAT. Moreover, Prof. Fang served as the Chairman of the Taiwan Nanotechnology and Micro System Association in 2013-2014, he has become the Vice Chairman of the MEMS and Sensors Committee for the SEMI Taiwan since 2014. With his leadership and contributions, the MEMS and micro sensors industries at Taiwan have been greatly promoted. Prof. Fang has strong international visibility and academic impact in MEMS field. He serves as the Chief Editor for the Journal of Micromechanics and Microengineering and also the Associate Editor and Board Member for many prestigious international journals. He also became the IoP (Institute of Physics, UK) Fellow and the IEEE Fellow respectively in 2012 and 2015. With the help from Prof. Fang, Taiwan could host several important international conferences and further enhance the visibility in MEMS field.