

Chih-Fang Huang received the Ph.D. degree in electrical engineering from Purdue University, West Lafayette, IN, USA, in 2003. He is currently a professor in the Department of Electrical Engineering at National Tsing Hua University, Hsinchu, Taiwan. His research interests include wide-bandgap semiconductors and power/RF/optoelectronics devices, with an emphasis on SiC power devices in recent years. SiC power devices are playing a pivotal role in future power electronics for automotive and AI. He has authored and co-authored more than 150 journal and conference papers and has been granted more than 30 key patents worldwide, resulting in patent licensing revenue of over 8,000,000 NTD. In the past five years, he has led several joint development projects with companies and has joined several NSTC special projects on compound semiconductors, with an accumulated budget exceeding 35,000,000 NTD. He is actively involved in several prestigious international conferences on semiconductor

devices such as ISPSD, ICSCRM, and SSDM, serving as an organizing and/or technical committee member.

黃智方教授於 2003 年取得美國印第安那州普渡大學電機博士學位，目前於國立清華大學電機系服務。他的研究興趣在於寬能隙半導體、功率/射頻/光電元件，而目前的研究重心在碳化矽功率元件，預期在電動車及 AI data center 等下一代電力電子電路應用中扮演關鍵角色。黃教授發表超過 150 篇國際期刊及研討會論文，並獲證超過 30 項關鍵全球專利，專利授權金額超過八百萬。過去五年參與數件國科會化合物半導體專案計畫及執行十數件產學合作計畫獲得超過三千五百萬預算補助。黃教授過去積極參與國際知名半導體研討會如 ISPSD、ICSCRM 及 SSDM 並擔任 Organizing committee 及 Technical committee 委員。