

國立清華大學第十二屆傑出產學研究獎得獎人簡介



資訊工程學系 孫宏民教授

孫宏民教授現任國立清華大學資訊工程學系教授，長期深耕資訊安全、人工智慧、區塊鏈與金融科技等領域，具備卓越的跨域整合能力與產業影響力。

近五年來，孫教授主持 **13** 件產學合作案，技術成果已導入產業界，強化台灣資安技術的全球競爭力。在產業制度推動方面，孫教授主導修訂行動應用資安聯盟中之「行動應用 **App** 基本資安檢測基準」，做為行動應用 **App** 基本資安自主檢測之標準，提供合規之檢測實驗室對客戶端行動應用 **App** 上架前做為安全檢測之依據，促進資安技術落地與制度化。

孫教授亦積極推動產學聯盟，擔任「**APP** 檢測系統產學小聯盟」主持人，促進新創技術交流與產業落地。在人才培育方面，指導學生團隊屢獲國內外競賽獎項，包括期交所大專院校模擬交易競賽、**Microsoft x TSMC Careerhack**、**Intel DevCup** 競賽、資安技能金盾獎等，展現深厚的領導力。

學術方面，孫教授共發表了 **130** 餘篇期刊論文及 **140** 餘篇會議論文，論文引用數超過 **5500** 次，並獲得 **10** 餘次最佳論文獎，孫教授連續五年入選「全球前 **2%** 頂尖科學家榜單」。過去獲得中國電機工程學會傑出電機工程教授獎 (2014)、徐有庠先生紀念基金會有庠科技論文獎 (2010)，以及清華大學 111 年「產學合作績優獎」等多項殊榮。曾擔任國際知名會議 **ACM ASIACCS 2020** 共同主席、**IEEE PRDC 2018** 議程主席等、**ASIACRYPT** 指導委員會及擔任 **IEEE Transactions on Reliability** 等期刊副編輯，目前，他亦是中華民國資訊安全學會理事長。學術與產業貢獻備受肯定。其研究成果不僅具高度學術價值，更展現深遠的實務影響力，為台灣資安技術發展注入強勁動能，亦為清華大學在全球資安領域建立卓越聲譽。

Professor Hung-Min Sun is currently a Professor in the Department of Computer Science at National Tsing Hua University. He has long been devoted to research in information security, artificial intelligence, blockchain, and financial technology, demonstrating outstanding cross-disciplinary integration capabilities and significant industrial impact.

In the past five years, Professor Sun has led 13 industry–academia collaboration projects, with technological achievements successfully adopted by companies in cybersecurity technologies.

On the policy and standardization front, Professor Sun spearheaded the revision of the “Basic Security Testing Guidelines for Mobile Applications” within the Mobile Application Security Alliance. This guideline serves as the baseline for independent security testing of mobile apps and provides accredited testing laboratories with a compliance framework to assess mobile applications prior to market release. His leadership has effectively advanced both the institutionalization and practical adoption of cybersecurity standards.

Professor Sun also actively fosters industry–academia collaboration. As convener of the “APP Security Testing Industry–Academia Consortium,” he has promoted exchanges on emerging technologies and their industrial applications. In talent cultivation, the student teams under his guidance have repeatedly won awards in domestic and international competitions, including the Taiwan Futures Exchange University Trading Simulation Contest, Microsoft x TSMC Careerhack, Intel DevCup, and the cybersecurity Golden Shield Award—demonstrating his strong leadership.

Academically, Professor Sun has published more than 130 journal papers and over 140 conference papers, with his work cited more than 5,500 times, and he has received over 10 Best Paper Awards. He has been listed for five consecutive years among the “World’s Top 2% Scientists.” His previous honors include the Outstanding Professor Award of Electrical Engineering (2014) from the Chinese Institute of Electrical Engineering, the Eighth Scientific Paper Award for Communication Technology (2010) from Far Eastern Y. Z. Hsu Science and Technology Memorial Foundation, and the NTHU Industry

Collaboration Excellence Award (2022). He has served as Co-Chair of ACM ASIACCS 2020, Program Chair of IEEE PRDC 2018, a steering committee member of ASIACRYPT, and Associate Editor of journals such as *IEEE Transactions on Reliability*. Currently, he also serves as Chairman of the Chinese Cryptology and Information Security Association (CCISA). His contributions to both academia and industry are widely recognized.

His research achievements not only hold significant academic value but also exert profound practical influence. They have provided strong momentum for the advancement of Taiwan's cybersecurity technologies and established National Tsing Hua University's distinguished reputation in the global cybersecurity community.