

國立清華大學第十二屆傑出產學研究獎得獎人簡介

周鶴修教授於 2010 年取得國立清華大學化學博士，先後於 IMEC 及史丹佛大學進行博士後研究，2017 年返母校化工系任教，2023 年升任教授，並自 2022 年起擔任清華國際產學營運總中心行政組組長，推動校企合作，亦擔任有機電激發光材料協會理事長。其研究核心為功能性高分子設計與分子工程，應用於人工光合、能源轉換、電子皮膚等領域，在能源、電子及永續材料領域具深遠影響。近五年以通訊作者發表逾 60 篇 SCI 論文，包括《JACS》《Angew. Chem.》《Adv. Energy Mater.》與《Nat. Commun.》，其中 IF>10 有 25 篇、9 篇為 VIP/封面文章，顯示質量兼具。多篇論文引用超過百次，研究成果受到國際關注。周教授亦積極產學合作，擁有 37 件專利（含申請中），其中五項以技術作價授權汎研科技，近五年產學合作金額約 4000 萬，並連續兩年獲選校級亮點計畫，展現技術轉譯與市場潛力。榮獲清華卓越傑出人才講座、高分子學會傑出學術研究獎、吳大猷先生紀念獎、日本化學工學會 Outstanding Asian Researcher 獎、李長榮學術研究傑出青年教授獎等多項殊榮。研究成果亦獲 AP、美聯社、Boston Herald、Fox 40、Telegraph 等國際媒體專題報導，提升台灣科研能見度。



Professor Ho-Hsiu Chou received his Ph.D. in Chemistry from National Tsing Hua University in 2010, followed by postdoctoral research at IMEC in Belgium and at Stanford University in Chemical Engineering. He returned to his alma mater in 2017 as a faculty member in the Department of Chemical Engineering and was promoted to full professor in 2023. Since 2022, he has served as Head of the Administration Division at the NTHU International Industry–Academia Operation Center, actively advancing collaborations with industry, and he also serves as President of the Association of Organic Electroluminescent Materials.

Professor Chou's research focuses on the design and synthesis of functional polymers through molecular engineering, with applications in artificial photosynthesis, energy conversion, and bio-inspired electronics such as electronic skins. His contributions extend to energy, electronics, and sustainable materials, making significant impacts in these high-priority fields. Over the past five years, he has published more than 60 SCI papers as corresponding author, in top journals such as J. Am. Chem. Soc., Angew. Chem. Int. Ed., Adv. Energy Mater., and Nat. Commun. Among these, 25 papers have impact factors greater than 10, with 9 selected as VIP or cover articles, demonstrating both productivity and quality. Many of his works have been highly cited, with several exceeding 100 citations, reflecting wide recognition by the international community.

In addition to academic research, Professor Chou is deeply engaged in industry–academia collaboration. He holds 37 patents (including pending), of which five were licensed to a spin-off company with a technology valuation of NT\$8 million. In the past five years, his collaborative projects

with industry have raised approximately NT\$40 million, and he has been recognized with back-to-back “Highlight Projects” by NTHU, underscoring the translational and market potential of his work.

Professor Chou has received numerous prestigious awards, including the NTHU Distinguished Talent Chair Professorship (2024, 2022), the Outstanding Polymer Academic Research Award from the Polymer Society of Taiwan, the Wu Ta-You Memorial Award, the Lee Chang Yung Young Scholar Award, the Materials Society Innovation Award, and the Outstanding Asian Researcher and Engineer Award from the Society of Chemical Engineers, Japan. His research achievements have also been widely reported by international media such as AP, Boston Herald, FOX 40, Telegraph, and the Malaysia Global Business Forum, bringing global visibility to Taiwan’s scientific research.