

國立清華大學第 29 屆新進人員研究獎得獎人簡介



資訊工程學系 邱德泉助理教授

邱德泉博士目前任職於清華大學資訊工程學系擔任助理教授，研究專長為次世代通訊、邊緣運算、邊緣人工智慧以及智慧物聯網，近年來的研究主題包含極低延遲暨能源感知邊緣系統開發、異質性資源協作式智慧框架設計與聯邦式學習技術應用，涵蓋當今資通訊產業最前瞻之核心技術。邱博士至今已發表一系列具影響力之學術論文於資通訊領域排名前 5% 之國際知名期刊以及 IEEE CVPR, IEEE ICDCS, IEEE ICC, IEEE GLOBECOM 等國際頂尖會議。由於邱博士近期在邊緣智慧/運算之嶄新研究備受注目，除了研究成果於 2023-2024 連續兩年榮獲台灣雲端計算學會最佳期刊論文獎以及 2026 及 2023 行動計算研討會最佳論文獎等殊榮外，邱博士也受邀至國外資通訊研討會像是 IEEE CCNC 2023, IEEE WF-IoT 2021, IEEE VTC-Fall 2020 給予 tutorials，並以具潛力新秀學者身份出席中華民國人工智慧學會舉辦之 AI Forum 2023。同時，邱博士積極與國內外知名科技大廠 Qualcomm、AIOZ、ITRI、Delta、以及 OmniEyes 新創公司長期合作，致力推動前瞻技術落地，目標將嶄新之邊緣智慧技術成功商業化並接軌產學界。邱博士加入清大至今已先後榮獲 2022 潘文淵文教基金會考察研究獎、2024 台灣雲端計算學會優秀青年學者獎、2025 清華大學傑出人才發展基金學術研究獎暨 2025 中華民國資訊學會最佳碩士論文指導獎以及 2026 清華大學新進人員研究獎等殊榮。

Dr. Te-Chuan Chiu is currently an Assistant Professor in the Department of Computer Science at National Tsing Hua University (NTHU). His research interests include next-generation communications, edge computing, edge intelligence, and AIoT. In recent years, his research has focused on developing ultra-low-latency and energy-aware edge systems, designing intelligent frameworks for collaborative heterogeneous resource management, and applying federated learning. These research directions cover some of the most cutting-edge core technologies in today's information and communications technology (ICT) industry. Dr. Chiu has published a series of influential research papers in prestigious international journals ranked among the top 5% in the ICT field, as well as in top international conferences such as IEEE CVPR, IEEE ICDCS, IEEE ICC, and IEEE GLOBECOM, etc. His recent research achievements in edge intelligence and edge computing have attracted considerable attention. His work received the Best Journal Paper Award from the Taiwan Association of Cloud Computing in two consecutive years, 2023 and 2024, as well as the Best Paper Award at the Workshop on Mobile Computing in both 2023 and 2026. In recognition of his expertise, Dr. Chiu has also been invited to deliver tutorials at major international conferences, including IEEE CCNC 2023, IEEE WF-IoT 2021, and IEEE VTC-Fall 2020. He was also invited as a promising emerging scholar in TAAI AI Forum 2023. Dr. Chiu actively collaborates with leading domestic and international technology companies and research organizations, including Qualcomm, AIOZ, ITRI, Delta Electronics, and the startup OmniEyes. Through these collaborations, he is committed to accelerating the practical deployment of advanced technologies and bridging the gap between academia and industry, with the goal of successfully translating innovative edge intelligence technologies into real-world applications. Since joining National Tsing Hua University, Dr. Chiu has received numerous honors and awards, including the 2022 Pan Wen Yuan Foundation Exploration Research Award, the 2024 Taiwan Association of Cloud Computing Distinguished Young Scholar Award, the 2025 National Tsing Hua University Advancement of Outstanding Scholarship, the 2025 Institute of Information & Computing Machinery Best Master's Thesis Advisor Award, and the 2026 National Tsing Hua University New Faculty Research Award.