

Appendix

Winners at the Professor Charles K. Kao Student Creativity Awards (PCKKSCA) 2025

Awards	Winner(s)	Supervisor(s) (Department, Faculty)	Project Name
Postgraduate Group Entry			
Champion	Mr Wang Benshan, Mr Xiao Qiarong, Mr Xu Tengji, Mr Fan Li, Mr Liu Shaojie (Department of Electronic Engineering, Faculty of Engineering)	Professor Huang Chaoran (Department of Electronic Engineering, Faculty of Engineering)	Next-generation Data Center Interconnects with Integrated Neuromorphic Photonic Processor
1 st Runner-up	Mr Wen Zhenkang, Dr Zhang Haozhi, Mr Shan Zhengming, Mr Jin Zheyu (Department of Orthopaedics and Traumatology, Faculty of Medicine)	Professor Xu Jiankun (Department of Orthopaedics and Traumatology, Faculty of Medicine)	VIPS – a Versatile and Integrated Platform for Skeletal-omics
2 nd Runner-up	Mr Zhao Zuoquan, Mr Yan Ruixin, Mr Wu Zongzhou, Mr Wang Jialiang, Mr Guo Zixuan, Ms Han Bingxin (Department of Mechanical and Automation Engineering, Faculty of Engineering)	Professor Chen Xi, Professor Chen Benmei (Department of Mechanical and Automation Engineering, Faculty of Engineering)	Sea-U-Foil: Development of a Hydrofoil-based Unmanned Underwater- surface Vehicle for Search and Rescue

Postgraduate Individual Entry			
Champion	Ms Xiao Yu (Department of Biomedical Engineering, Faculty of Engineering)	Professor Jonathan Choi Chung-hang (Department of Biomedical Engineering, Faculty of Engineering)	A Worm-like Nucleic Acid Nanostructure for Gene Delivery and Endosomal Escape
1 st Runner-up	Mr Cai Minghong (Department of Information Engineering, Faculty of Engineering)	Professor Yue Xiangyu (Department of Information Engineering, Faculty of Engineering)	DiTCtrl: Exploring Attention Control in Multi-modal Diffusion Transformer for Tuning-free Multi-prompt Longer Video Generation
2 nd Runner-up	Mr Chan Wai Shing (Department of Surgery, Faculty of Medicine)	Professor Li Zheng, Dr Yip Hon Chi (Department of Surgery, Faculty of Medicine)	Magnetic Countertraction System for Endoscopic Submucosal Dissection
Merit	Mr Mo Haoming Mr Hu Zongxin (Department of Mechanical and Automation Engineering, Faculty of Engineering)	Professor Song Xu (Department of Mechanical and Automation Engineering, Faculty of Engineering)	Breathable Lightweight Hip Protectors for Elderly
Special Award			
Special Award in Life Sciences	Ms Linda Mgbechidinma Chiamaka (School of Life Sciences, Faculty of Science)	Professor Jiang Liwen (School of Life Sciences, Faculty of Science)	Molecular Characterisation of Plant Autophagic Responses to Heavy Metals

Undergraduate Group Entry			
Champion	Ms Chan Shu-ying (Faculty of Medicine), Mr Lee Shing-him (Faculty of Business Administration), Mr Lee Shing-hei (Faculty of Engineering)	Dr Tim Li Man-ho (Department of Psychiatry, Faculty of Medicine)	CancerCompanion
Undergraduate Individual Entry			
1 st Runner-up	Mr Xie Chen Zhi Jie (Faculty of Engineering)	Dr Anthony Sum Kwok-wing (Department of Computer Science and Engineering, Faculty of Engineering)	Developing a Web-Based System for Improving Chinese Handwriting Quality through Font Analysis and Education
2 nd Runner-up	Mr Lau Chun-hei (Faculty of Medicine)	Professor Choi Chun-kit (Department of Chemical Pathology, Faculty of Medicine)	Antimicrobial Chitosan-coated Zinc Oxide Nanocomposites Against Drug-resistant Microbials