



Faculty Achievement



College of Engineering

Congratulations to the following faculty members for winning various highly competitive grants:

Project Coordinator	Project Title	Collaborating University/ies	Funded Amount (HK\$)
Research Impact Fund			
Dr Nadia CHOW, Department of Architecture & Civil Engineering	A study of Energy Harvesting and Fire Hazards Associated with Double-skin Green Facades of Tall Green Buildings	The Hong Kong Polytechnic University	6.90M
Collaborative Research Project Grant			
Prof CHAN Chi-Hou, Department of Electrical Engineering	An Enabling Technology for 6G Wireless Communications	The University of Hong Kong	8.34M
Prof HU Jinlian, Department of Biomedical Engineering	Fundamental Study Towards Real Spider Dragline Silk Performance Through Artificial Innovative Approach	-	3.20M
Prof LIEW Kim Meow, Department of Architecture & Civil Engineering	An upcycling solution to the paradox of clean energy development	The Hong Kong Polytechnic University	5.42M
Prof WANG Cong, Department of Computer Science	Enabling Metadata-private and Accountable Networks at Scale	The Hong Kong University of Science and Technology, The University of Hong Kong	7.52M
Young Collaborative Research Grant			
Dr WANG Cheng, Department of Electrical Engineering	Large-scale Lithium Niobate Photonic Integrated Circuits for Neuromorphic Computing	The Chinese University of Hong Kong	4.70M
Green Tech Fund			
Prof Thomas NG, Department of Architecture & Civil Engineering	Low Carbon Road Pavement by Maximising Material Circularity and Adopting Sustainable Materials	The Hong Kong Polytechnic University, The University of Hong Kong	4.20M

Faculty Achievement



Department of Mechanical Engineering

A research team led by Dr YANG Zhengbao has successfully engineered a material that is capable of continuously replenishing its electrostatic charge as the face mask is worn and breathed through, leading to a significant increase in the filtering performance of the mask for up to 60 hours, compared to only 4 hours for a conventional surgical mask. Their research findings, titled Self-charging electrostatic face masks leveraging triboelectrification for prolonged air filtration, were published in *Nature Communications*.

Faculty Achievement



Department of Materials Science and Engineering

Prof ZHU Yuntian was elected Fellow of the National Academy of Inventors for his significant contributions to economic development and the welfare of society. This is the highest professional award accorded to academic inventors.

Student Achievement



Department of Architecture and Civil Engineering

A student team comprising Mr CHEN Junhao, Miss CHEN Yingting, Mr Kenneth CHUNG, Miss QIU Yue, and Mr WANG Xingcan, directed by Dr Charlie XUE, Dr LU Yi, and Dr Gianni TALAMINI, won the second prize for their project titled Shell + Ear (聆听四季) in the 5th Guangdong-Hong Kong-Macau Greater Bay Area and ASEAN International College Design and Construction Competition. This international competition attracted 264 teams from mainland China, Hong Kong, Macau, Thailand, Indonesia, Malaysia, Laos, and Vietnam.

Student Achievement



Department of Mechanical Engineering

SBC Technology, a HK Tech 300 Start-up, founded by Ms DENG Wei, Mr WANG Hongbo, and an alumus of the Department of English who were under the guidance of Dr Steven WANG, successfully acquired an angel fund of HK\$1 million to develop ventilation systems and anti-viral membrane materials for high-risk places, especially airports, to minimize airborne cross-infection risks.

Student Achievement



Department of Architecture and Civil Engineering

Mr HUANG Guanying, under the supervision of Prof Thomas NG, received the Merit Paper Award at the 27th International Symposium on Advancement of Construction Management and Real Estate for his paper entitled Factors influencing the promotion of green building materials: perspective of multiple stakeholders.

Student Achievement



Department of Electrical Engineering

Mr KWOK Man Hin and a student from the Department of Public and International Affairs, under the supervision of Dr W S CHAN, were awarded the 1st Runner-up and the Best Innovation Award in the IET Young Professionals Exhibition & Competition 2022 (Undergraduate Section) for their project titled Starwheaton.

Student Achievement



Department of Architecture and Civil Engineering

Miss LIN Sen, supervised by Prof S O CHEUNG, received the Best Presentation Award for her paper titled The Antecedents of Intention to Settle in Construction Dispute Negotiation in the Sixth Australasia and South-East Asia Structural Engineering and Construction Conference.

Alumni Achievement



Department of Architecture and Civil Engineering

An alumnus, Cr Ir Tony WONG, received the Young Construction Manager Award (Grand Award) 2022 and the Outstanding Youth Lo Pan Award 2022 from the Hong Kong Institute of Construction Managers and the Hong Kong Lo Pan Kwong Yuet Tong respectively in recognition of his dedication to the construction industry.