

Issue 40 (February 2023)

Faculty Achievement



Research Grant

Young Collaborative Green Tech Fund

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 F | 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 Rese | earch 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 | 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

Engineering

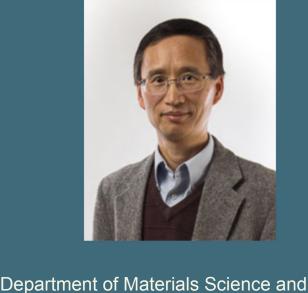


Zhengbao has successfully engineered a material that is capable of continuously

A research team led by Dr YANG

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. Student Achievement

Faculty Achievement



Prof ZHU Yuntian was elected Fellow of the National Academy of Inventors for his

Engineering

significant contributions to economic development and the welfare of society. This is the highest professional award accorded to academic inventors.



Xingcan, directed by Dr Charlie XUE, Dr LU Yi, and Dr Gianni TALAMINI, won the second prize for their project titled Shell +

CHUNG, Miss QIU Yue, and Mr WANG

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 The 27th International Symposium on Advancement of **Construction Management and Real Estate** Merit Paper Award CRIOCM 2022

Student Achievement



of English who were under the guidance of Dr Steven WANG, successfully acquired an

Hongbo, and an alumus of the Department

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.

宣撰工程學系

Department of Electrical Engineering

Student Achievement

Factors influencing the promotion of green building materials: Perspective of multiple stakeholders

which was presented at the 27th International Symp Estate (CRIOCM 2022), December 5-6, 2022.

by Guanying Huang, Dezhi Li and S.Thomas Ng

Cy. Was Future Cities 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

influencing the promotion of green building materials: perspective of multiple

Estate for his paper entitled Factors

stakeholders. Student Achievement sentation Award Sen Lin For the paper titled "THE ANTECEDENTS OF INTENTION TO SETTLE IN CONSTRUCTION DISPUTE NEGOTIATION'

\$30g

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

and South-East Asia Structural



for their project titled Starwheation.

Young Professionals Exhibition &

Competition 2022 (Undergraduate Section) Alumni Achievement



Dispute Negotiation in the Sixth Australasia

Engineering and Construction Conference.

Cr Ir Wong Kam Yuen, Tony

Young Construction Manager

Grand Award

CONSTRUCTION MANAGEMENT AWARDS 2022

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



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Tong respectively in recognition of his dedication to the construction industry.