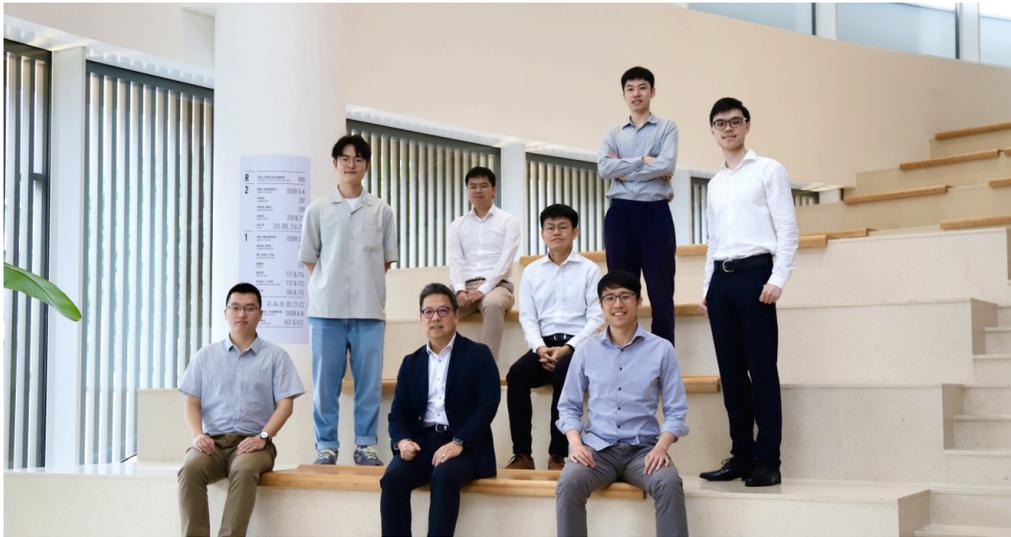


Cover Story



## Less is More: Saving Manpower on Traffic Control While Improving Road Efficiency

HKUST Dean of Engineering Prof. Hong K. LO and his team have developed an award-winning smart traffic control plan to mitigate the notorious congestion in Kwun Tong District, Hong Kong. And they have a broader vision to share in this story.

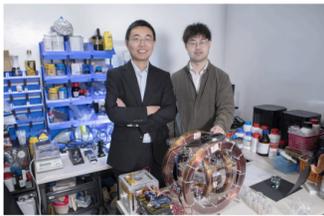
Education



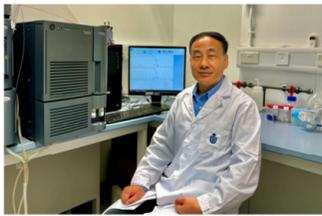
### Embracing Flexibility with HKUST Engineering's Innovative "Dual Track" Admissions System

Prof. Henry LAM, Director of the Center for Engineering Education Innovation (E<sup>2</sup>I), explains how this new approach for 2025 intake and beyond offers the best of both worlds via department-based admissions and School-based admissions.

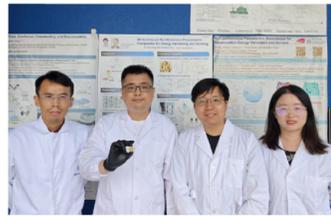
Research



**Prof. SHEN Yajing Developed Groundbreaking Platform for One-Step Production of Sperm-Like Micro-Robots to Enhance Precise Drug Delivery**



**Prof. ZHANG Xiangru Discovered an Effective and Environment-Friendly Disinfectant**



**Prof. YANG Zhengbao Developed Innovative Method to Simplify Manufacturing Process of Cellular Ceramic**



**Prof. ZHAO Jidong's Technical Review on Computational Models for Granular Particles Published in *Nature Reviews Physics***



**Extraction of Mucin Biomaterials from Pig Stomach for Potential Application in Chronic Wound Treatment**



**Prof. SU Hui's Article on Interdisciplinary Integration of Electrical Engineering and Earth Science Published in *Nature Reviews Electrical Engineering***

Faculty Achievement



**Prof. Irene LO Named First Runner-Up at 2024 Net Zero Tech International Contest**



**Prof. GUO Song Won 2024 Edward J. McCluskey Technical Achievement Award**

Alumni

### Engineering Alumni Summer Mixer 2024

Co-organized with the HKUST Entrepreneurship Center and Hong Kong Science and Technology Parks Corporation, the joyful gathering brought together around 200 engineering alumni, faculty and students to an exhilarating reunion at the Hong Kong Science Park.

