Faculty Achievement
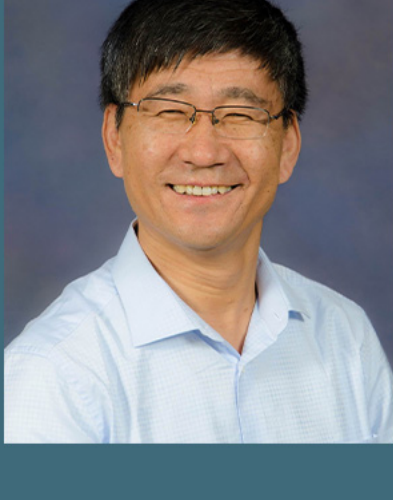

Department of Computer Science

Prof FANG Yuguang was elected ACM Fellow 2022 for his remarkable contributions to wireless networks and mobile computing. The ACM Fellows programme recognises the top 1% of ACM members for their outstanding accomplishments in computing and information technology and/or outstanding service to ACM and the larger computing community.

Faculty Achievement

Department of Mechanical Engineering

Prof Takashi HIBIKI and his collaborator at the Institute of Nuclear Safety System received the Technology Award from the Japan Society of Mechanical Engineers (Hokuriku-Shin Etsu Branch) for their contribution in improving the Advanced Nuclear System Analysis Code and RELAP5 code.

Faculty Achievement

Department of Mechanical Engineering

A research project, entitled Novel Anti-Vibration Technology, led by Prof JING Xingjian, successfully developed and applied a new anti-vibration technology, which significantly reduces vibrations transmitted to the human body, leading to a safer and healthier working environment. The new technology will be broadcast in March in TVB's high-tech innovation programme "創科導航".
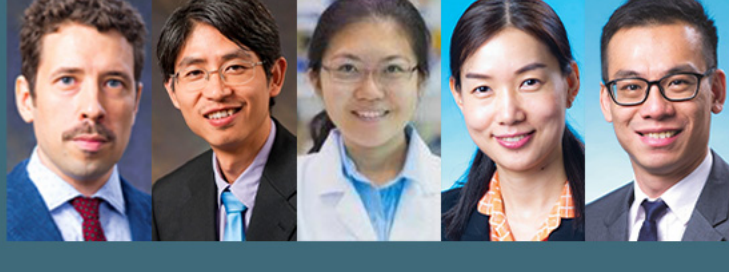
Faculty Achievement

Department of Architecture and Civil Engineering

Dr Paul LAM's research team published a paper entitled Practical model updating of the Ting Kau Bridge through the MSMC-based Bayesian algorithm utilizing measured modal parameters in *Engineering Structures*, which was selected as the Best Paper of the Year 2022 (Structural Control and Health Monitoring).

Faculty Achievement

Departments of Architecture and Civil Engineering and Biomedical Engineering

Congratulations to the following faculty members on their receiving the UGC's Teaching Development Grants.

Department of Architecture and Civil Engineering	
Dr Gianni TALAMINI	Urban puzzle - Digital manufacturing of learning resources for a game-centred approach to urban design and regional planning
Dr Jeff WANG	Engagement of CityU Alumni Patented Project with Current ACE students: Learning Rapid & Sustainable Construction of Bamboo MiC Elderly Accommodation in Metaverse
Department of Biomedical Engineering	
Dr KHOO Bee Luan	Through the looking glass: identifying cells through fluorescence labelling
Dr LIU Lu	Discovery-based education in system modeling and control: Integrating interactive learning and real-scene operations to inspire new scientific innovations
Dr TIN Chung	Gearing up BME students for Biomedical Instrumentation with more hands-on practice

Faculty Achievement

Department of Mechanical Engineering

Prof YANG Yong and his collaborator published a paper entitled Metallic glass-based triboelectric nanogenerator in *Nature Communications*. The new alloys, particularly metallic glass, which exhibit improved performance and durability in harsh conditions could be beneficial to researchers working in the clean energy field.

Student Achievement

Department of Computer Science

A team comprising Mr CHAN Shing Hei, Mr Aleksa JELACA, Mr LI Ruixin and Mr WONG Yu Fai was made the 1st Runner-up in the PwC HackaDay Hackathon 2022. Organised by PwC Hong Kong, the competition is open to students in Hong Kong and Macau. Teams were given two weeks to design and implement a fully functional and secure cloud data lake infrastructure.

Student Achievement

Department of Biomedical Engineering

A team comprising Mr CHEN Chun Kwan and Mr ZOU Shangjie, under the supervision of Dr KHOO Bee Luan, obtained the third prize of 大灣杯 at the 9th "創青春"粵港澳大灣區青年創新創業大賽 (科技創新賽道-團隊組). Their award-winning project is called A Portable System for the Rapid Enrichment and Separation of Microparticles from Liquid Samples.

Student Achievement

Department of Electrical Engineering

Mr DENG Feiyang, supervised by Prof K M LUK, won the Student Prize at the Asia-Pacific Microwave Conference 2022 for his paper titled Low-Profile Wideband High-Gain Open Resonator Antenna Based on Multi-Resonant Modes Cavity and Metasurface.

Student Achievement

Department of Electrical Engineering

Mr GE Tong won the IET Prize 2022 for his exemplary academic achievements and active participation in out-of-classroom activities, including community services. IET stands for the Institution of Engineering and Technology.

Alumni Achievement

Department of Architecture and Civil Engineering

The final-year research project entitled Development of a ventilation system for smart bus stops in Hong Kong by Miss NG Hoi Ching was awarded the 3rd Prize of the BSOMES Research Prize 2022. BSOMES stands for the Building Services Operation and Maintenance Executives Society.