



Event



**College of Engineering**

The College of Engineering (CENG) and the College of Science recently organised a successful career fair, attracting around 70 local and international companies and offering nearly 3,000 jobs and internships. The fair covered 13 sectors and received support from the Federation of Hong Kong Industries, the Hong Kong Institution of Engineers, and the Hong Kong Institute of Human Resource Management. As part of the event, guided tours of CityUHK's State Key Laboratory of Terahertz and Millimeter Waves showcased the institution's cutting-edge research. Additionally, the Bright Future Engineering Talent Hub under the CENG hosted a session for secondary school students, providing them with valuable insights and the chance to interview fair exhibitors.

Faculty Achievement



**College of Engineering**

Congratulations to the following faculty members for serving as project coordinators for grants supported by the Research Grants Council.

**Collaborative Research Project Grant**

| Project Coordinator  | Proposal Title  |
|--|---|
| Prof WANG Jianping, Department of Computer Science   | Knowledge-Driven Digital Twin Networking for Autonomous Driving   |
| Prof WU Dapeng Oliver, Department of Computer Science  | CILo: Cellular Indoor Localization  |
| Prof ZHU Zonglong, Department of Materials Science and Engineering and Department of Chemistry | Fundamental Understanding on Stability for Halide Perovskite Electronics: from Materials Design to Device Engineering |

**Collaborative Research Equipment Grant**

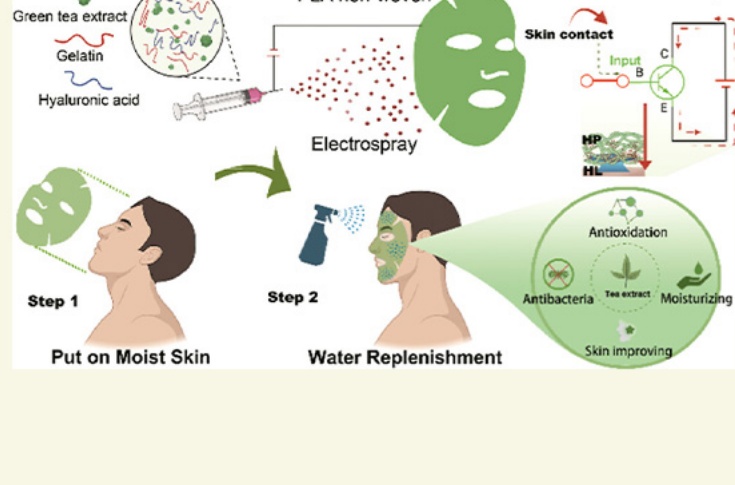
| Project Coordinator   | Proposal Title   |
|---|--|
| Prof ZHONG Xiaoyan, Department of Materials Science and Engineering | High spatiotemporal resolution scanning electron microscope facility for multimodal dynamic imaging in materials science and physics |

**Young Collaborative Research Grant**

| Project Coordinator  | Proposal Title  |
|--|---|
| Prof JIANG Chaoping, Department of Electrical Engineering          | Electrification and Decarbonization: Multi-port Wireless Dock and Charge for Waterborne Transportation  |
| Prof ZENG Zhiyuan, Department of Materials Science and Engineering | Electrochemical Lithium Intercalation & Exfoliation for Mass Production of 2D Transition Metal Dichalcogenides and Their Application for Water Purification |

Additionally, a proposal, entitled Enhancing energy harvesting and typhoon resilience of offshore wind turbines in the Guangdong-Hong Kong-Macau Greater Bay Area under climate change, by Prof LI Qiusheng of the Department of Architecture and Civil Engineering was awarded a Research Impact Fund of HKD9.6M, the highest funded amount for 2023-24 Exercise.

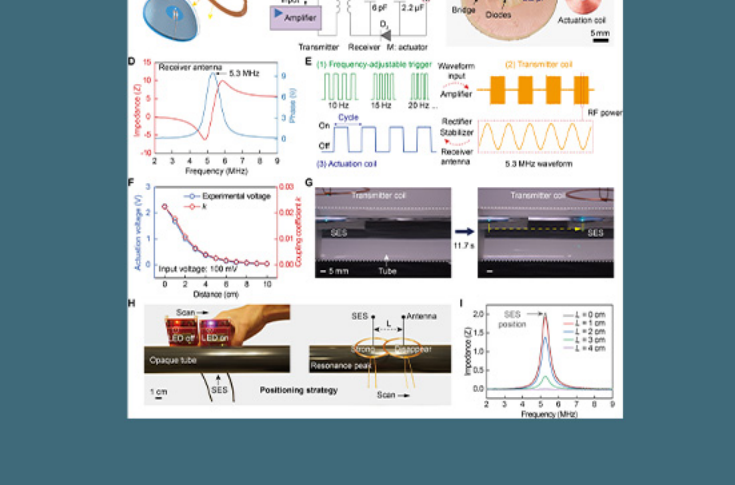
Faculty Achievement



**Department of Biomedical Engineering**

Professor HU Jinlian and her research team have developed an innovative skincare solution in the form of a facial sheet mask. The mask is made from bio-based materials and can be conveniently packaged in paper. When activated, it delivers moisture and essential nutrients to the skin. Their findings have been published in *ACS Applied Materials & Interfaces*, titled Electrospayed Environment-Friendly Dry Triode-Like Facial Masks for Skincare.

Faculty Achievement



**Department of Biomedical Engineering**

Prof YU Xinge and his collaborators have developed a tiny, battery-free and wireless soft swimming robot that can detect contaminants and pathogens in confined spaces. The team's work has been described and published in *Science Advances* under the title Battery-free, wireless, and electricity-driven soft swimmer for water quality and virus monitoring.

Faculty Achievement



**Department of Materials Science and Engineering**

Prof ZHI Chunyi and his team published a paper titled Electrochemical nitrate reduction in acid enables high-efficiency ammonia synthesis and high-voltage pollutants-based fuel cells in *Nature Communications*. This research focuses on the electrochemical reduction of nitrate to ammonia under acidic conditions. Their findings expand the potential of acidic nitrate reduction for ammonia synthesis and energy conversion.

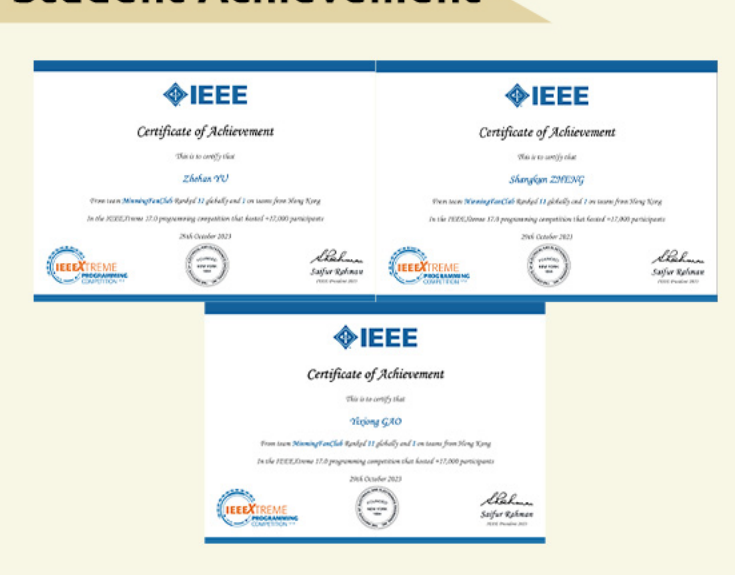
Student Achievement



**Department of Materials Science and Engineering**

Miss WIJAYA Sherin Leana won the IET Prize 2023 for her exemplary academic achievements and active participation in out-of-classroom activities, including community services. IET stands for the Institution of Engineering and Technology.

Student Achievement



**Department of Computer Science**

Mr YU Zhehan and Mr ZHENG Shangkun, undergraduate students in Computer Science, along with Mr GAO Yixiong, a visiting research student in the 2023 IEEEXtreme 17.0 Programming Competition. Under the guidance of Prof LI Minming and Prof Ray CHEUNG, they secured the first position among teams from Hong Kong and ranked 11th globally.

Student Achievement



**Department of Computer Science**

BSc Computer Science students Mr YU Zhehan, Mr ZHENG Shangkun, Mr HE Yu, visiting research student Mr GAO Yixiong and MSc student Mr YAN Fangzhao, under the supervision of Prof LI Minming, Prof HUANG Jun, Prof QIU Junqiao, and Dr Kenneth LEE, have secured multiple awards in prestigious competitions including China Collegiate Programming Contest (CCPC) and International Collegiate Programming Contest (ICPC).

Alumni Achievement



**Department of Computer Science**

Alumnus Miss LIU Wei, from the class of 2023, has been awarded the prestigious Hong Kong Institution of Engineers Scholarship. Throughout her time at CityU, Miss Liu consistently showcased excellence, graduating with first Class Honours and receiving multiple scholarships.

