



Event



College of Engineering

Colleagues of the College were treated to an engaging and inspiring presentation on shearography by Prof Michael HUNG. As the John F Dodge Chair Professor Emeritus of Oakland University, Prof HUNG is a renowned expert in the field and is credited with inventing shearography, a powerful laser-based full-field measurement method utilised for non-destructive inspection of aircraft structures, particularly aircraft tires. The use of shearography has significantly reduced the incidence of aircraft tire failures, thereby improving aviation safety overall.

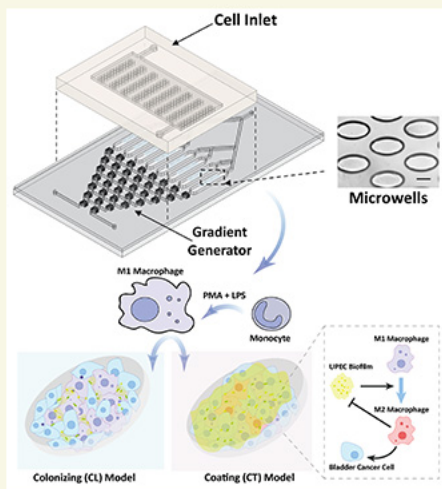
Event



College of Engineering

The College, collaborated with Huawei, organised a workshop on 3DIC and Advanced Packaging on June 1, 2023. Attending by 9 professors from CityU and senior members of Huawei, the workshop provided an excellent platform for participants to gain insights into the latest advancements in 3DIC and advanced packaging. On 12 June, President BOEY and other senior faculty members welcomed a Huawei delegation, where the President shared exciting developments at CityU that will strengthen the University's partnership with the industry.

Faculty Achievement



Department of Biomedical Engineering

Dr KHOO Bee Luan and her research team created a bladder tumour model called TAMPIEB, which integrates bladder cancer cells and tumour-associated macrophages to study the influence of bacterial distribution on immunomodulation in the tumour microenvironment in vivo. Their research showed that biofilm-induced inflammation conditions within tumours promote the transition of macrophages from a pro-inflammatory M1-like to an anti-inflammatory (pro-tumour) M2-like state. Published in *Small*, their study is the first successful demonstration of this transition and its implications for bladder cancer treatment.

Faculty Achievement



Department of Architecture and Civil Engineering

Dr KIM Jung In received the grand award (professional research category) in Hong Kong openBIM/openGIS Awards 2023 launched by the Hong Kong Alliance of Built Asset & Environment Information Management Associations and the Hong Kong Chapter of the buildingSMART International.

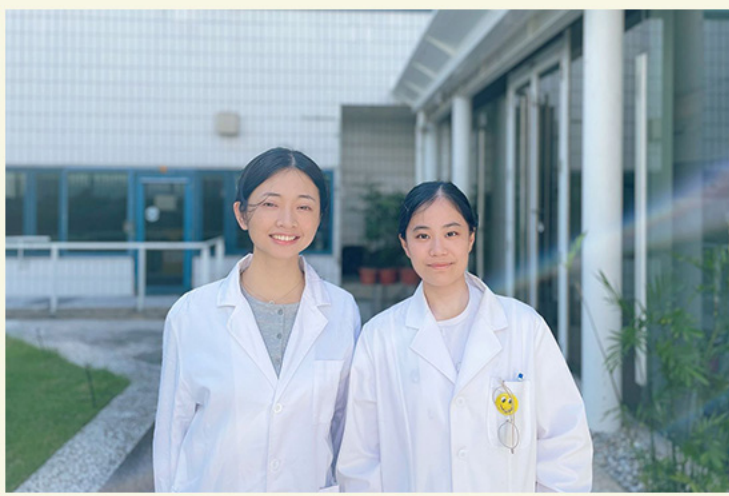
Faculty Achievement



Department of Materials Science and Engineering

Prof ZHU Yuntian has been elected as a Foreign Member of the Academia Europaea in recognition of his noteworthy research contributions in the field of physics, particularly in the study of properties related to hetero-structured and nanostructured materials.

Student Achievement



Department of Biomedical Engineering

Ms DENG Yanlin, Mr ZHOU Xiang, Mr LI Wei, Ms LIAO Junchen under the supervision of Dr KHOO Bee Luan, were awarded the Gold Medal of The Greater Bay Area STEM Excellence Award 2023 (HKSAR). They developed a novel Point-of-care In situ Evaluation Biosensor BioChip to provide prognosis prediction and allow timely medical intervention for cancer patients. The award-winning team is a start-up under HK Tech 300.

Student Achievement



Department of Computer Science

The recent HackUST 2023 competition saw a team of talented individuals, including Mr LIAO Hua Xin, Mr TOKTONAZAR UULU Nuraaly, Mr TURDAKUNOV Kadyrbek, and Mr ZHENISHBEK UULU Talantbek, emerged victorious. Their innovative mobile application was awarded both the OKX Web3.0 Master Awards and the JLL Building Management Metaverse Application Award in the HackUST 2023. The team proposed a mobile app named LeakLock, which addressed the issues of content centralisation and trend manipulation on the internet while utilising the capabilities of Web 3.0 and Blockchain technologies.

Student Achievement



Department of Electrical Engineering

Under the guidance of Prof TSAI Din-ping, Miss LIU Xiaoyuan has been awarded the Top Ten Academic Youth Award for Metamaterial Postgraduate at the 2nd China Metamaterials Conference. Her research paper titled Intelligent Meta-lens for Aerial, Land, and Underwater Imaging was highly regarded by the judges, and she was one of the 12 recipients out of over 300 participants in the competition.

Alumni Achievement



Department of Architecture and Civil Engineering

The following alumni, who were all under the supervision of Prof Jeff WANG, received the 75th Géotechnique Anniversary Early Career Award for their papers published between 2013 and 2023.

Name	Research Area
Dr ZHAO Budi	Soil micromechanics
Dr CHENG Zhuang	Artificial intelligence in geotechnics
Dr WU Mengmeng	Artificial intelligence in geotechnics

