

Dean's View

Opening the Door to Engineering Diversity and Community Interaction



One of the questions often raised about an engineering education is the workload and how much time it allows potential undergraduates and postgraduates to fully experience university life. At HKUST, where there is so much to become involved in within and beyond the regular curriculum – exchanges, internships, entrepreneurial activities, community service, sports activities, student societies of all kinds, and more – it is an important concern to address.

That is also why the start of the new school year finds the School of Engineering...

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Cover Story



Digitalizing Disasters to Counter Climate Change

In the face of increasing extreme rainfall events that often trigger further dangers, School of Engineering civil engineers are setting out to develop a pioneering city-scale slope digital twin to boost forecasting, prevention, and mitigation of Hong Kong's number one natural hazard: landslides.

Research Impact



HKUST Successfully Launched "HKUST-FYBB#1" Satellite and Kick-started Satellite Constellation Program

HKUST held a ceremony on August 26 in celebration of the successful launch of the high-resolution optical satellite "HKUST-FYBB#1". The satellite entered the designated orbit for operation at the Jiuquan Satellite Launch Center in Gansu Province at 12.59 pm on August 25.

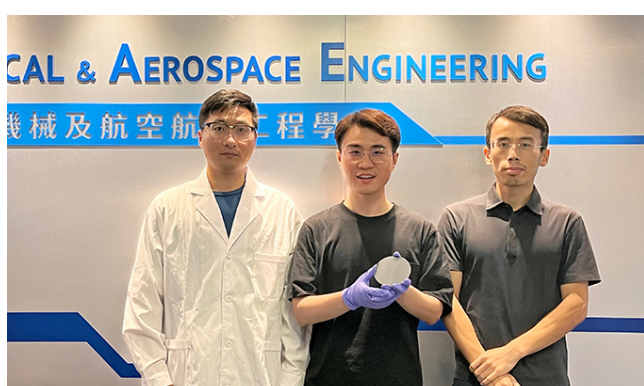
In the News



Two SENG-led Research Projects Awarded HK\$58 Million in RGC Strategic Topics Grant 2023/24



Googol Technology Listed on Shenzhen Stock Exchange's ChiNext Board



HKUST Researchers Pioneered Technique to Self-assemble High-performance Biomolecular Films



HKUST Became First in Greater China to Host World Economic Forum's Young Global Leaders Leadership Development Program



HKUST and King's Flair Established Joint Laboratory to Strengthen Innovative Research on Sustainable Technologies



HKUST, EduHK and ECNU Launched Tripartite Alliance to Champion AI and Education Futures

Teaching

HKUST Education and Generative AI Fund Promotes Innovation in Undergraduate Curriculum Design

Six projects led by School of Engineering faculty members from five departments were among the 13 projects supported in the first round of the HKUST Education and Generative AI (EDGE-AI) Fund.

Faculty Column

Growing Old Healthily

With Hong Kong facing the prospect of 36% of its population being over 65 in less than 25 years, Prof. Bertram SHI looks at the challenges and how the work of HKUST's multidisciplinary Center for Aging Science is building cutting-edge solutions.

Achievements

Prof. Khaled B. LETAIEF
Elected to Indian National Academy of Engineering

Prof. Mohamed S. GHIDAOU
Elected Inaugural Fellow and Vice-President of International Association for Hydro-Environment Engineering and Research

Prof. WANG Zhe and Prof. YANG Jiachuan Named Excellent Young Scientists by National Natural Science Foundation of China

Students

Where Sweat Sensing and Fitness Intersect

Striking the right balance in training is a challenge facing athletes of every age and at every level. To resolve this uniquely athletic dilemma, three innovative HKUST members have pioneered a sweat sensor that eliminates the need for invasive blood samples when testing for muscle fatigue.

2 Minutes with Shabnam TAGHIPOUR (2024 PhD in Chemical and Biomolecular Engineering)

Juggling a dual PhD degree in engineering across two different countries is never a cakewalk, but Shabnam always keeps a positive mindset and solves the problems with grace.

Alumni

SENG Graduates Reunited at Engineering Alumni Summer Mixer

Diagnosing Your Furry Friends in a Flash