

Cover Story



HKUST Community Benefits from Award-Winning AIoT Project to Estimate Queue Status and Occupancy

As the Engineering Commons officially reopened in October 2024, it features an array of new research applications that are most relevant to campus life, including AIoT sensing research led by Prof. Gary CHAN Shueng-Han of the Department of Computer Science and Engineering.

Education

Unlock Your Future: Join HKUST's Computer Engineering Program!

In this article, Prof. Desmond TSOI presents the Computer Engineering Program (CPEG), a dynamic fusion of computer science and electronics. Discover how this distinctive program prepares students to innovate and lead in the fast-evolving tech landscape.



Highlights



HKUST Established Von Neumann Institute to Spearhead AI Innovation



HKUST Engineering Hosted First Alumni Reunion at HKUST (Guangzhou)

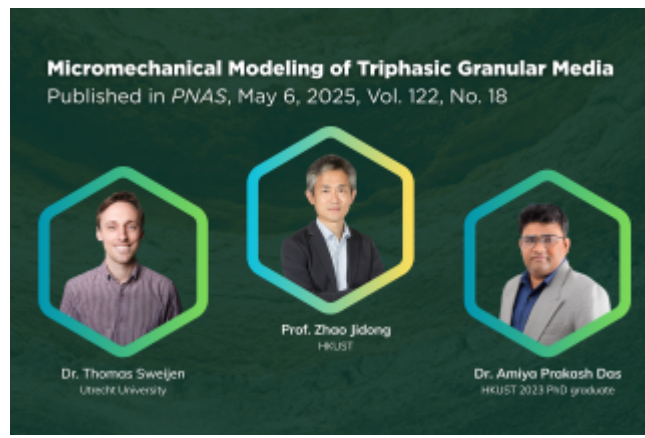


Engineering Exploration Day 2025 for JUPAS Applicants

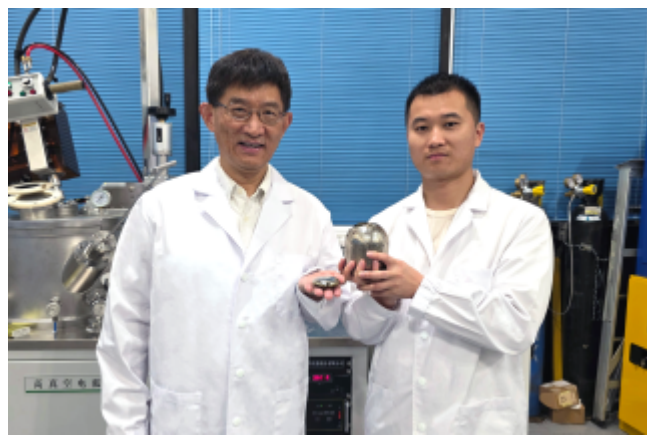


Mechanical and Aerospace Engineering Friday Get-together

Research



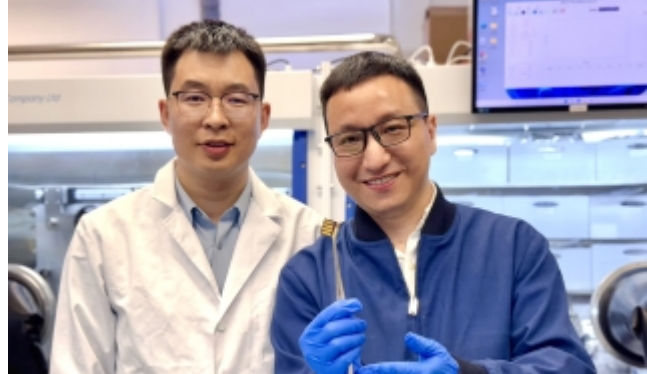
Prof. ZHAO Jidong Developed New Model for Accurate Landslide Prediction with Applications in Sustainable Agriculture, Energy, Healthcare, and Beyond



Prof. SUN Qingping Discovered Novel Elastic Alloy that Achieves 20x Temperature Change and 90% Carnot Efficiency in Solid-State Heat Pumping



Prof. Dan TSANG Pioneered Breakthroughs in Catalytic Biomass Valorization to Advance Green Chemistry and Sustainable Engineering



Prof. ZHOU Yuanyuan and PolyU Researchers Synthesized a Laminate-Structured Material Interface to Improve Perovskite Solar Cells

Partnership

HKUST Launched Landmark UNESCO-Backed Initiative to Drive Global Sustainable Solutions

The global transdisciplinary "research-to-operation" (R2O) initiative, "Seamless Prediction and Services for Sustainable Natural and Built Environments", led by HKUST, has been endorsed by the UNESCO as part of its International Decade of Sciences for Sustainable Development.



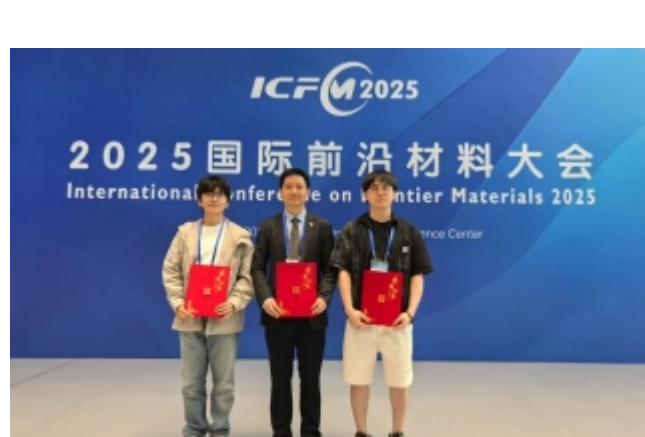
Faculty Achievements



Prof. Fugee TSUNG Awarded Prestigious 2025 Shewhart Medal, the "Nobel Prize of Quality Control"



Prof. Mansun CHAN Selected as an IEEE STEM Champion



Prof. FAN Zhiyong Earned Scientist Award at International Conference on Frontier Materials



Prof. WANG Wei Received ACM EuroSys 2025 Best Paper Award

Student Achievements



HKUST Remotely Operated Vehicle Team Clinched Their 13th Championship in Hong Kong Regional Contest of MATE International ROV Competition



Electronic and Computer Engineering Team Garnered Four Awards at SID Display Week 2025



Two SENG Undergraduates Honored with Inaugural HKUST Common Core Student Recognition Award



Three Outstanding Student-Initiated Experiential Learning Projects Recognized by USEL-ASMP Technology Award 2025



SENG Students Bagged Three Awards at 2025 HKUST Three Minute Thesis Competition

