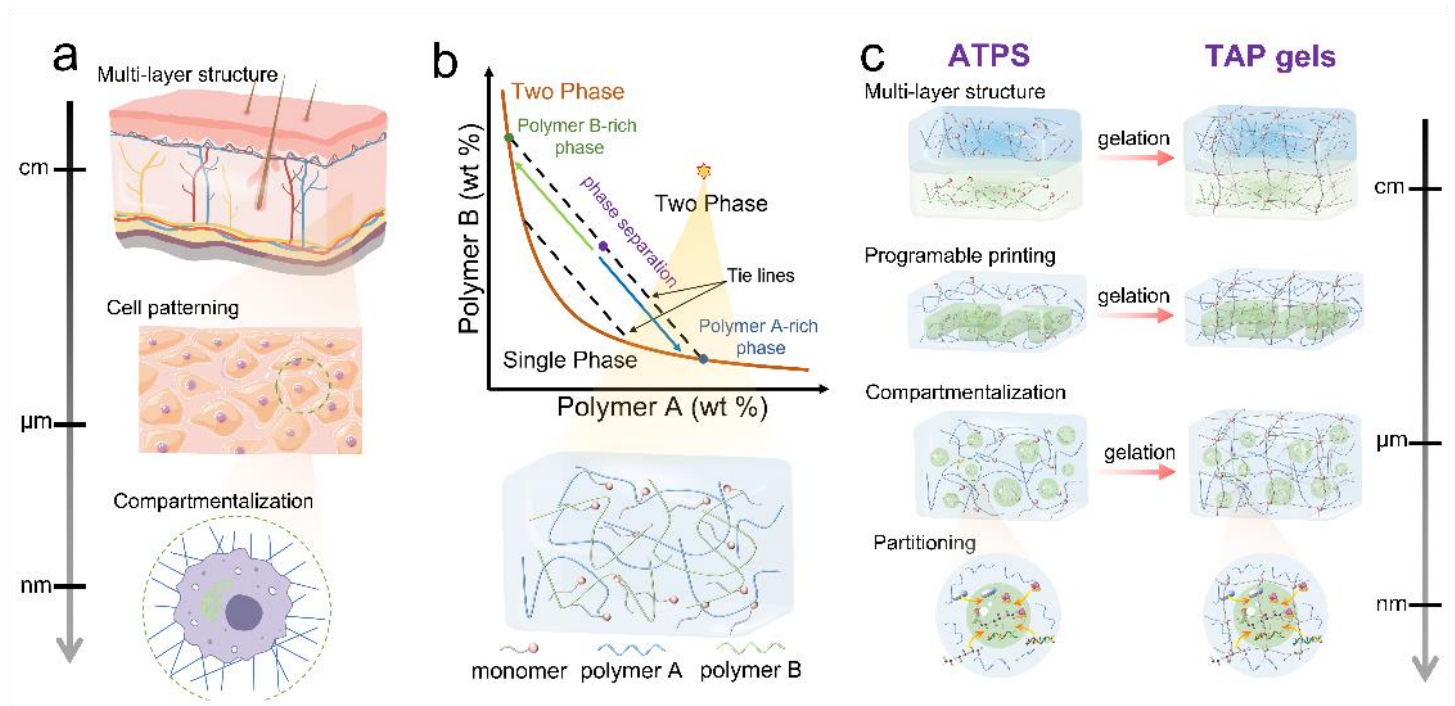




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RESEARCH

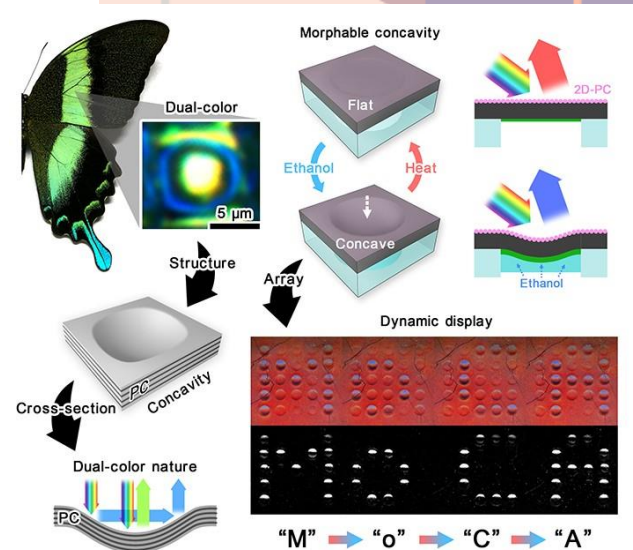
Phase-separation facilitated one-step fabrication of multiscale heterogeneous two-aqueous-phase gel



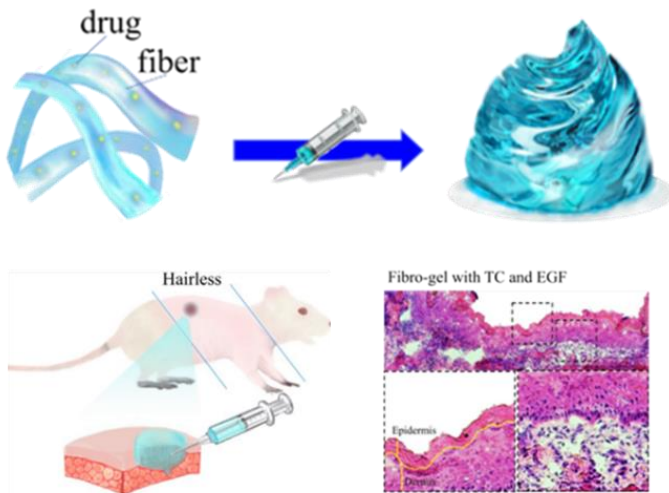
Professor Anderson H. C. Shum and his team worked on the research titled, "Phase-separation facilitated one-step fabrication of multiscale heterogeneous two-aqueous-phase gel". The research was recently published by Nature Communications on May 16, 2023...[Read more](#)

Pixelating responsive structural color via a bioinspired morphable concavity array

Professor Anderson H.C. Shum and his team had worked on the research for the topic "Pixelating responsive structural color via a bioinspired morphable concavity array (MoCA) composed of 2D photonic crystal elastomer actuators". This work is a collaboration with Professor Mingzhu Li from the Institute of Chemistry, Chinese Academy of Sciences...[Read more](#)



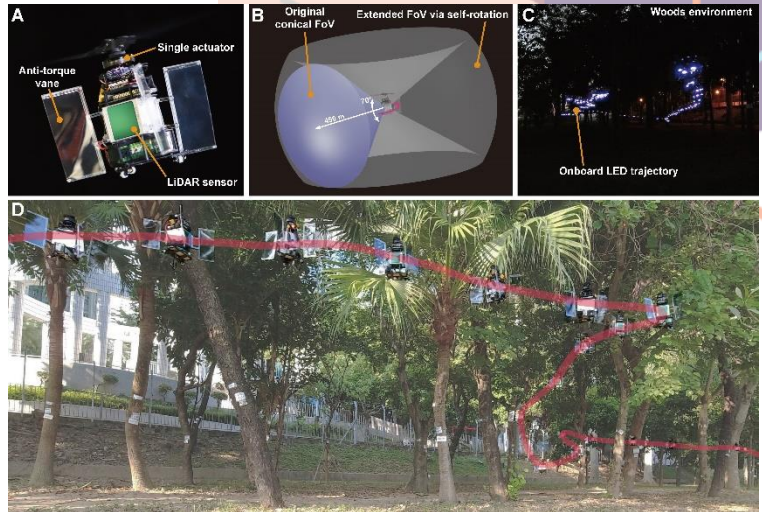
Injectable Fibro-gel for on demand drug delivery and wound healing



Professor Anderson H.C. Shum and his team worked on the research for the topic "Fibro-Gel: An All-Aqueous Hydrogel Consisting of Microfibers with Tunable Release Profile and its Application in Wound Healing"...[Read more](#)

HKU Team Develops Revolutionary Unpiloted Aerial Vehicle Inspired by Science Fiction

Imagine a world where science fiction meets reality, where cutting-edge technology brings to life the awe-inspiring scenes from movies like Prometheus. This is the groundbreaking research led by Dr Fu Zhang, who has developed a Powered-flying Ultra-underactuated LiDAR-Sensing Aerial Robot (PULSAR) that is poised to redefine the world of unpiloted aerial vehicles (UAVs)...[Read more](#)



Carbon-induced negative strain-rate sensitivity in a quenching and partitioning steel



Professor Mingxin Huang and his team worked on the research for the topic "Carbon-induced negative strain-rate sensitivity in a quenching and partitioning steel". The research findings were recently published in Acta Materialia on April 17, 2023...[Read more](#)

Multislip-enabled morphing of all-inorganic perovskites

Prof. Yang Lu's research team reported in Nature Materials that all-inorganic lead halide perovskite micropillars can be mechanically morphed into distinct geometries/shapes without affecting their attractive functional properties for energy and optoelectronic applications...[Read more](#)



AWARDS

HKU Engineering shined in the 48th International Exhibition of Inventions of Geneva



HKU triumphed at the 48th International Exhibition of Inventions of Geneva, winning a total of 19 awards, including two special grand prizes Invention & Innovation CAI Award (China Delegation), and Prize of the Delegation of Malaysia. Among the 19 awards, our department had bagged 3 of them...[Read more](#)

Professor Anderson H.C. Shum received the Hong Kong Engineering Science and Technology Award 2022

Congratulations to Professor Anderson H.C. Shum for receiving the Hong Kong Engineering Science and Technology Award 2022 by the Hong Kong Academy of Engineering Sciences in recognition of his outstanding research achievements in microfluidics and their potential applications into biomedical technologies.

The award aims to recognise and commend outstanding contributions and excellence among younger generations in Hong Kong for their dedication and achievements...[Read more](#)



Professor Lixi Huang was elected as a Fellow of the Acoustical Society of America



Professor Lixi Huang was elected as a Fellow of the Acoustical Society of America in May 2023 for his contributions to biomedical noise control, aeroacoustics, and acoustics. Announcement of this election and presentation of Fellowship certificate will be made during the plenary session at Acoustics 2023 Sydney on 6 December 2023 in Sydney, Australia...[Read more](#)

BREED HKU won the InnoShow award at the 8th Engineering InnoShow, HKU

Organised by Innovation Academy, the Engineering InnoShow was scheduled to be held at the end of each semester, where students can showcase their innovative projects and achievements to their peers and the public as a way of knowledge exchange and giving back to society. The eighth Engineering InnoShow "Together, we innovate!" showcased a number of innovative Engineering student projects at Tam Wing Fan Innovation Wing on April 28, 2023... [Read more](#)



HKU Foundation Publication Award for Research Postgraduate Students 2023

Congratulations to our PhD student, Miss Kee Wah Leong for receiving the HKU Foundation Publication Award for Research Postgraduate Students 2023. The Award was funded by The University of Hong Kong Foundation for Educational Development and Research to give due recognition to research postgraduate students who have published a journal article of exceptional quality in the related research study area... [Read more](#)

EMSD Energy Saving Championship Scheme

Congratulations to our PhD student, Miss Kee Wah Leong and her team for receiving the Best Science and Technology Award and Hanson Outstanding Award from the Energy Saving Championship Scheme - Competition for Students, organized by EMSD with the project "Aqueous Al-ion batteries: a safe and sustainable energy storage solution"...[Read more](#)



Final Year Students awarded in the ASHRAE Design Competition 2023



**ASHRAE DESIGN
COMPETITION 2023**

HVAC DESIGN CALCULATIONS



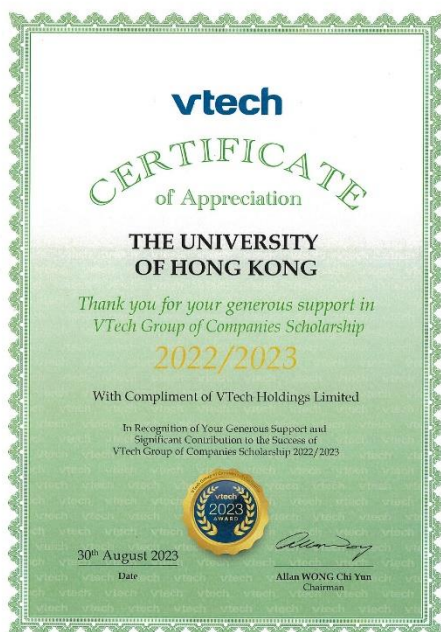
Congratulations to our final year students Chan Kin Wai, Cheung Ho Chi, Lam Pui Him, Wong Tsz Yan who have been awarded second place in the HVAC Design Calculations Category of the ASHRAE Design Competition 2023. This is the fifth consecutive year that HKU participated in the competition and received the award... [Read more](#)

Our students awarded Outstanding Award in ASMPT Technology Award 2023

Congratulations to our graduates Chan Lok Him Justin and Sum Ku Ting who have just received the Outstanding Award at ASMPT Technology Award 2023. Their project "A Low-Cost DIY Wind Tunnel" was a capstone project supervised by Dr. A. C. H. Tsang...[Read more](#)



VTech Group of Companies Scholarship 2022/2023



Congratulations to our ME student, Mr. Jiang Nan for receiving the "VTech Group of Companies Scholarship 2022/2023" in recognition of his Generous support and significant contribution to the success of VTech Group of Companies Scholarship 2022/2023...[Read more](#)

1-week summer school MECH0101 for secondary school students

The Department of Mechanical Engineering delivered a 1-week summer school entitled "The Fascinating World of Fluid Flows: From Airplanes to Micro-swimmers" from July 25 to July 31, where over 40 talented secondary school students with various backgrounds were participated in this event. The summer school was co-instructed by Dr. A. C. H. Tsang, Dr. C. K. Chan and Dr. C. H. Liu, covering three different timely topics in macroscopic and microscopic fluid mechanics: aerodynamics, urban flow, and microswimmers. This interactive learning experience provided students with the fundamental knowledge of fluid mechanics as well as...[Read more](#)



ME Newsletter is published by Department of Mechanical Engineering of The University of Hong Kong

