

Organizer:



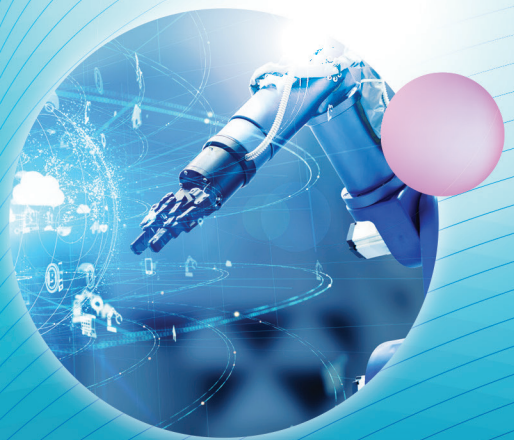
香港中文大學
The Chinese University of Hong Kong



研究及知識轉移服務處
Office of Research and
Knowledge Transfer Services

CUHK INNOVATION DAY 中大創新日

21 Sep 2023 (Thu)
2023年9月21日 (星期四)



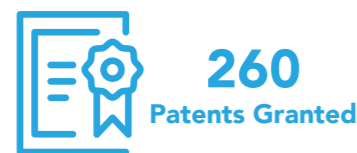
QUICK FACTS ON CUHK RESEARCH AND INNOVATION



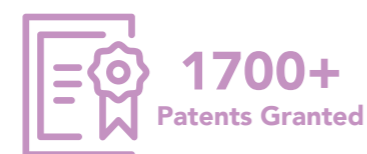
74% CUHK research
rated as world-leading or internationally excellent⁴

Most Patents Granted
University in 5 consecutive years⁵

IN 2022/23



TOTAL NUMBER TO DATE



WELCOME MESSAGE

Welcome to CUHK Innovation Day 2023!

CUHK Innovation Day 2023 is one of the signature events of the University's 60th anniversary. It aims to showcase how CUHK's innovations and technologies create value and bring positive impact to society.

A leading research university in Asia and among the best in the world, CUHK is dedicated to promoting research and innovation that bring tangible benefits to mankind. Our ground-breaking medical discoveries that improve the health and well-being of patients, and innovative architectural design that brings about transformative changes to enhance quality of life for individuals and communities, are just some of the many examples.

The University has been widely recognised as one of the most innovative universities locally and regionally. For 5 consecutive years since 2017-18, it has remained to be the university in Hong Kong with the highest number of patents granted. CUHK researchers and inventors have been making substantial contributions to the global innovation agenda, including 109 new invention disclosures and the 481 patent applications, with 260 patents granted globally in 2022-23 alone.

CUHK Innovation Day is to inspire and encourage the CUHK community to continue innovating for societal impact. This year, the event features thematic talks by CUHK InnoHK Centres to share the societal impact of their work, an exhibition highlighting outstanding start-up projects by our academics, students and alumni, as well as the Elevator Pitch Competition.

I would like to take this opportunity to express my appreciation to colleagues, partners and sponsors for their unwavering support, which enables this important event to come to reality.

I hope you will enjoy the wealth of programmes offered on CUHK Innovation Day 2023, which amply demonstrates the synergy of the CUHK community and forges meaningful connections. May we work together to broaden the impact of knowledge and innovation for the betterment of society, the country, and the world.



Prof. Rocky TUAN

Vice-Chancellor and President, CUHK

1. <https://www.topuniversities.com/university-rankings/world-university-rankings/2023>
 2. <https://www.timeshighereducation.com/world-university-rankings>
 3. <https://graphics.reuters.com/ASIA-UNIVERSITY-INNOVATION/0100B02G03Z/index.html>
 4. Research Assessment Exercise 2020 Hong Kong, University Grants Committee
 5. Since 2017/18

Programme Rundown	3
Floor Plan	4 - 5
Officiating Guests	6 - 7
Official Launch of CUHK Innovation Limited	8 - 9
Panel Discussion	10 - 11
Thematic Session: CUHK InnoHK Centres	12 - 17
Elevator Pitch Competition	18 - 19
Exhibition Booths: CUHK Start-up Projects	20 - 31
CUHK Supporting Units in Innovation and Entrepreneurship.....	32 - 34
Acknowledgement	35 - 36

OPENING SESSION	
09:15 – 09:45	VIP Exhibition Tour
09:45 – 10:00	Opening Remarks <ul style="list-style-type: none"> • Mr. Ivan KB LEE, JP, Commissioner for Innovation & Technology, HKSARG • Prof. Mai-har SHAM, Pro-Vice-Chancellor / Vice-President (Research), CUHK
10:00 – 10:10	Kick-off Ceremony of Innovation Day <ul style="list-style-type: none"> • Mr. Ivan KB LEE, JP, Commissioner for Innovation & Technology, HKSARG • Prof. Anthony CHAN, Pro-Vice-Chancellor / Vice-President (Alumni Relations & Advancement), CUHK • Prof. Wai-yee CHAN, Pro-Vice-Chancellor / Vice-President (Strategic Developments), CUHK • Prof. Mai-har SHAM, Pro-Vice-Chancellor / Vice-President (Research), CUHK • Prof. Benny ZEE, Director, Office of Research and Knowledge Transfer Services, CUHK
10:10 – 11:30	Official Launch of CUHK Innovation Limited <p>a) Speech by Dr. Norman CHAN, Chairman of the Board, CUHK Innovation Limited</p> <p>b) Kick-off Ceremony of CUHK Innovation Limited</p> <ul style="list-style-type: none"> • Prof. Anthony CHAN, Pro-Vice-Chancellor / Vice-President (Alumni Relations & Advancement), CUHK • Prof. Wai-yee CHAN, Pro-Vice-Chancellor / Vice-President (Strategic Developments), CUHK • Prof. Mai-har SHAM, Pro-Vice-Chancellor / Vice-President (Research), CUHK • Dr. Norman CHAN, Chairman of the Board, CUHK Innovation Limited • Ms. Cindy CHOW, Board member, CUHK Innovation Limited • Mr. John NG, Board member, CUHK Innovation Limited • Ms. Joyce NG, Managing Director and Chief Investment Officer, CUHK Innovation Limited <p>c) MoU Signing Ceremony</p> <p>d) Panel Discussion</p> <p>Topic: How to bring HK academic institutions' innovations to successful product development and to the market</p> <p>Moderator: Ms. Joyce NG, Managing Director and Chief Investment Officer, CUHK Innovation Limited</p> <p>Panelists:</p> <ul style="list-style-type: none"> • Mr. Nick CHAN, MH, JP, Chairman, HKSARG Innovation and Technology Venture Fund (ITVF) advisory committee • Hon. Duncan CHIU, Legislative Council Member - Technology & Innovation Constituency • Ms. Cindy CHOW, Executive Director and Chief Executive Officer, Alibaba Hong Kong Entrepreneurs Fund • Ir Prof. Alan LAM, JP, Managing Partner & CTO, Gravity Capital Partners Limited • Prof. Benny ZEE, Director, Office of Research and Knowledge Transfer Services, CUHK
THEMATIC SESSION	
11:45 – 12:45	Thematic Session 1: CUHK InnoHK Centres <ul style="list-style-type: none"> • Centre for Perceptual and Interactive Intelligence • Multi-Scale Medical Robotics Center • Hong Kong Centre for Logistics Robotics
14:30 – 15:30	Thematic Session 2: CUHK InnoHK Centres <ul style="list-style-type: none"> • Center for Neuromusculoskeletal Restorative Medicine • Centre for Novostics • Microbiota I-Center
ELEVATOR PITCH COMPETITION	
15:45 – 16:45	Elevator Pitch Competition
16:45 – 17:00	Closing Remarks

MAPS, DIRECTION & FLOOR PLAN



OFFICIATING GUESTS



Mr. Ivan K B LEE, JP

Commissioner for Innovation and Technology
The Government of the Hong Kong Special Administrative Region

Mr. LEE assumed the position as the Commissioner for Innovation and Technology on 12 June 2023. He is an experienced public officer with over 30 years of experience in public policy formulation and administration. Before taking up the current appointment, he has served in the Administrative Officer Grade in various Government Bureaux / Departments, covering a wide range of policy areas such as planning and lands, public health, Civil Service administration, manpower training, multilateral trade negotiations, constitutional and Mainland affairs, public housing matters, etc.

Mr. LEE has been involved in promoting innovation and technology since 2018. He most recently served as Deputy Commissioner for Innovation and Technology from January 2018 to December 2020 and the Commissioner for Efficiency from December 2020 to June 2023, both of which were also under the auspices of the Innovation, Technology and Industry Bureau.

Prof. Anthony CHAN

Pro-Vice-Chancellor / Vice-President (Alumni Relations & Advancement)
The Chinese University of Hong Kong

Prof. CHAN is Pro-Vice-Chancellor/Vice-President (Alumni Relations & Advancement) of CUHK, Li Shu Fan Medical Foundation Professor of Clinical Oncology, Director of the Sir YK Pao Centre for Cancer, Director of the Hong Kong Cancer Institute, Chief Director of Phase 1 Clinical Trial Centre, Associate Director of the State Key Laboratory of Translational Oncology (CUHK) and Master of Wu Yee Sun College.

Prof. CHAN graduated from the University College London in 1988 and received Medical Oncology training at The Royal Marsden Hospital before joining Faculty of Medicine at CUHK in 1993. He is Fellow of the Royal Colleges of Physicians of London, Edinburgh and Glasgow.



Prof. Wai-yee CHAN

Pro-Vice-Chancellor / Vice-President (Strategic Developments)
Li Ka Shing Professor of Biomedical Sciences
The Chinese University of Hong Kong

Prof. CHAN obtained his BSc in Chemistry from CUHK in 1974 and PhD in Biochemistry from the University of Florida in 1977. In 2009, he established the School of Biomedical Sciences, CUHK and served as the Founding Director and Chair Professor of Biomedical Sciences. He was appointed Pro-Vice-Chancellor/Vice President (Strategic Developments) of CUHK in 2018. Currently, Prof. CHAN is Director of Institute for Tissue Engineering and Regenerative Medicine, CUHK. He is also a member of Hospital Authority Board, Research Grant Council, Shaw Prize Council, and Hong Kong Genome Institute and President of Hong Kong Institution of Science.



Prof. Mai-har SHAM

Pro-Vice-Chancellor / Vice-President (Research)
Choh-Ming Li Professor of Biomedical Sciences
The Chinese University of Hong Kong

Prof. SHAM has been the Pro-Vice-Chancellor and Vice-President (Research) and Choh-Ming Li Professor of Biomedical Sciences at CUHK since 2020. Prof. SHAM provides leadership to the administration of research funding, interdisciplinary group research projects, research talents and partnerships with international institutions. She oversees the strategic development of innovation and entrepreneurship, including technology transfer, intellectual property management, start-ups and commercialization, and research impact at CUHK.

Prof. SHAM obtained her PhD in Biochemistry from the University of Cambridge, U.K. Before joining CUHK, she was the Associate Vice-President (Research), Head of the Department of Biochemistry, Assistant Dean (Research), Director of the Centre for Reproduction Development and Growth in the Li Ka Shing Faculty of Medicine, The University of Hong Kong.



Prof. Benny ZEE

Director, Office of Research and Knowledge Transfer Services
The Chinese University of Hong Kong

Prof. ZEE is Director, Office of Research and Knowledge Transfer Services (ORKTS) of CUHK. He is also Professor and Director of the Centre for Clinical Research and Biostatistics (CCRB) of the Jockey Club School of Public Health and Primary Care, and Director of Clinical Trials and Biostatistics Lab in the CU Shenzhen Research Institute (SZRI).

Prof. ZEE obtained his Ph.D in Biostatistics from the University of Pittsburgh USA in 1987. He then joined the National Cancer Institute of Canada Clinical Trials Group as Senior Biostatistician, and faculty member in the Department of Community Health and Epidemiology and the Department of Mathematics and Statistics of Queen's University Canada from 1987-2001.



CUHK Innovation Limited is a newly established company wholly owned by CUHK to make investments in innovative business and impact ventures related to CUHK's technological innovations. CUHK Innovation Limited will start with an early-stage fund, with a focus on seeking matching funds from venture capital investors.

The Company is committed to supporting CUHK's spin-off companies as they commercialise their innovative research and development achievements, and furthering the University's mission in promoting and enhancing entrepreneurial culture.



Dr. Norman CHAN

Vice Chairman, CUHK Council
Chairman of the Board, CUHK Innovation Limited
Former Chief Executive of the Hong Kong Monetary Authority

Dr. CHAN previously served as Chief Executive of the Hong Kong Monetary Authority, Deputy Director of the Office of the Exchange Fund of Hong Kong, Director of the Chief Executive of the HKSAR's Office and Vice Chairman of Standard Chartered Bank. Dr. CHAN received a Bachelor's degree in Social Sciences from the CUHK, an Honorary Fellowship from the CUHK, an Honorary Doctor of Business Administration from the City University, Lingnan University and Shue Yan University. Dr. CHAN currently serves as the Chairman of the Board of Trustees of Chung Chi College of CUHK, Vice Chairman of CUHK Council, Chairman of the Board of Directors of RD Wallet Technologies Ltd, RD ezLink Limited, Chairman of the Hong Kong Acquisition Corporation and Founding Chairman of Hong Kong Institute of Web3.0.

Prof. Wai-yee CHAN

Pro-Vice-Chancellor / Vice-President (Strategic Developments)
Li Ka Shing Professor of Biomedical Sciences
The Chinese University of Hong Kong
Board member, CUHK Innovation Limited

Prof. CHAN obtained his BSc in Chemistry from CUHK in 1974 and PhD in Biochemistry from the University of Florida in 1977. In 2009, he established the School of Biomedical Sciences, CUHK and served as the Founding Director and Chair Professor of Biomedical Sciences. He was appointed Pro-Vice-Chancellor/Vice President (Strategic Developments) of CUHK in 2018. Currently, Prof. CHAN is Director of Institute for Tissue Engineering and Regenerative Medicine, CUHK. He is also a member of Hospital Authority Board, Research Grant Council, Shaw Prize Council, and Hong Kong Genome Institute and President of Hong Kong Institution of Science.



Ms. Cindy CHOW

Executive Director and Chief Executive Officer,
Alibaba Hong Kong Entrepreneurs Fund
Board member, CUHK Innovation Limited

Cindy is currently the Executive Director and Chief Executive Officer of the Alibaba Hong Kong Entrepreneurs Fund (AEF). AEF was founded in 2015 with the mission of helping Hong Kong-based entrepreneurs and young people realize their dreams and visions for their businesses and communities. AEF invests into startups and initiates various activities to bolster innovation and entrepreneurship.

Cindy joined Alibaba Group in 2007 and has worked in the financial control and planning capacity. Before joining Alibaba Group, Cindy worked in a number of Hong Kong listed companies.

Cindy holds a Bachelor of Business Administration from CUHK and MBA from HKUST. She is also a certified public accountant.

Mr. John NG

Chief Financial Officer & Senior Vice President, Lee Kum Kee Group
Board member, CUHK Innovation Limited

John is the CFO of Lee Kum Kee Group, founded in 1888 and carries the vision of contributing to a healthier and happier world. Previously, John was the Managing Partner of Landmark Capital, the Asian investment arm of a Swiss family office. John held executive positions at Hutchison Port Holdings, Lehman Brothers and PwC's Financial Advisory Services. A keen supporter of the VC/PE sector, John is Co-Chair of HKVCA's Family Office Committee, and was Co-Chair of HKPEFA. John holds BBA and Master of Accounting degrees from the University of North Carolina, and serves on its Chancellor's Global Leadership Council.



Prof. Mai-har SHAM

Pro-Vice-Chancellor / Vice-President (Research)
Choh-Ming Li Professor of Biomedical Sciences
The Chinese University of Hong Kong
Board member, CUHK Innovation Limited

Prof. SHAM has been the Pro-Vice-Chancellor and Vice-President (Research) and Choh-Ming Li Professor of Biomedical Sciences at CUHK since 2020. Prof. SHAM provides leadership to the administration of research funding, interdisciplinary group research projects, research talents and partnerships with international institutions. She oversees the strategic development of innovation and entrepreneurship, including technology transfer, intellectual property management, start-ups and commercialization, and research impact at CUHK.

Prof. SHAM obtained her PhD in Biochemistry from the University of Cambridge, U.K. Before joining CUHK, she was the Associate Vice-President (Research), Head of the Department of Biochemistry, Assistant Dean (Research), Director of the Centre for Reproduction Development and Growth in the Li Ka Shing Faculty of Medicine, The University of Hong Kong.



Ms. Joyce NG

Managing Director and Chief Investment Officer,
CUHK Innovation Limited

Joyce is the Managing Director and Chief Investment Officer of CUHK Innovation Ltd. Previously, she was the Investment Director of Cyberport Macro Fund and was the Managing Director at OurCrowd, a hybrid venture capital platform for investing in global startups. With over a decade of experience in hedge fund management, Joyce was the partner of Sumeru Capital, a Greater China-focused equity long/short fund. Prior to joining Sumeru Capital, she was a portfolio manager at LIM Advisors, managing an event-driven portfolio of Asia's oldest hedge fund. Joyce holds an undergraduate degree from the University of Chicago and an MBA from Cheung Kong Graduate School of Business.



PANEL DISCUSSION

Topic: How to bring HK academic institutions' innovations to successful product development and to the market

MODERATOR



Ms. Joyce NG

Managing Director and Chief Investment Officer,
CUHK Innovation Limited

Joyce is the Managing Director and Chief Investment Officer of CUHK Innovation Ltd. Previously, she was the Investment Director of Cyberport Macro Fund and was the Managing Director at OurCrowd, a hybrid venture capital platform for investing in global startups. With over a decade of experience in hedge fund management, Joyce was the partner of Sumeru Capital, a Greater China-focused equity long/short fund. Prior to joining Sumeru Capital, she was a portfolio manager at LIM Advisors, managing an event-driven portfolio of Asia's oldest hedge fund. Joyce holds an undergraduate degree from the University of Chicago and an MBA from Cheung Kong Graduate School of Business.



Ms. Cindy CHOW

Executive Director and Chief Executive Officer, Alibaba Hong Kong
Entrepreneurs Fund
Board member, CUHK Innovation Limited

Cindy is currently the Executive Director and Chief Executive Officer of the Alibaba Hong Kong Entrepreneurs Fund (AEF). AEF was founded in 2015 with the mission of helping Hong Kong-based entrepreneurs and young people realize their dreams and visions for their businesses and communities. AEF invests into startups and initiates various activities to bolster innovation and entrepreneurship.

Cindy joined Alibaba Group in 2007 and has worked in the financial control and planning capacity. Before joining Alibaba Group, Cindy worked in a number of Hong Kong listed companies.

Cindy holds a Bachelor of Business Administration from CUHK and MBA from HKUST. She is also a certified public accountant.

PANELISTS



Mr. Nick CHAN, MH, JP

Chairman, HKSARG Innovation and Technology Venture Fund (ITVF)
advisory committee

Lawyer and elected member of the congress with computer science background, Mr. Chan has regional responsibilities as Partner in global law firm Squire Patton Boggs focusing in tech-related industries. He serves on law school boards and teaches AI, big data, cybersecurity, data privacy, entrepreneurship, privacy-by-design, metaverse and Web3.0. He chairs the HKSARG \$2B Innovation and Technology Venture Fund (ITVF) advisory committee, and as member of the Government's Committee on Innovation, Technology and Industry Development, expert member of Chief Executive's Policy Unit, Honorary Legal Advisor of Federation of Hong Kong Industries, and Council Member of CUHK. He headed KTC at HKUST.



Ir Prof. Alan LAM, JP

Managing Partner & CTO, Gravity Capital Partners Limited

Ir Prof. LAM is an adjunct professor at CUHK and CityU. He founded Sengital Limited in 2004 and serves as chairman now. He is currently Chairman of LSCM R&D Centre. He was selected as Ten Outstanding Young Person in HK in 2015 and awarded Chief Executive's Commendation for Community Service in 2019, then was appointed as Justices of the peace by Chief Executive in 2023. He started angel investment in 2014 and joined Gravity Capital Partners Co Ltd as a managing partner and CTO in 2021. He has passion to serve innovation and technology industry in HK.



Hon. Duncan CHIU

Legislative Council Member - Technology & Innovation Constituency

Duncan has committed himself to the development of technology and innovation in Hong Kong since early 2000's. He is an advocate of local Tech and Innovation policies, a tech entrepreneur, a veteran investor and is often regarded as the leading figure in Hong Kong's Tech and Innovation sector. In 2022, Duncan was elected to the 7th term of the Legislative Council, representing the Technology and Innovation Constituency. Duncan has been a key contributor to Hong Kong's T&I development. He is President of Hong Kong Information Technology Joint Council and Convenor of Innovate for Future, a think tank representing some of the leading start-ups.



Prof. Benny ZEE

Director, Office of Research and Knowledge Transfer Services
The Chinese University of Hong Kong

Prof. ZEE is Director, Office of Research and Knowledge Transfer Services (ORKTS) of CUHK. He is also Professor and Director of the Centre for Clinical Research and Biostatistics (CCRB) of the Jockey Club School of Public Health and Primary Care, and Director of Clinical Trials and Biostatistics Lab in the CU Shenzhen Research Institute (SZRI).

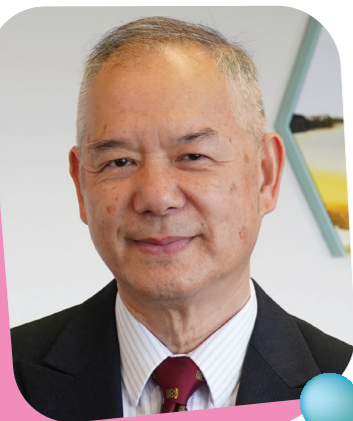
Prof. ZEE obtained his Ph.D in Biostatistics from the University of Pittsburgh USA in 1987. He then joined the National Cancer Institute of Canada Clinical Trials Group as Senior Biostatistician, and faculty member in the Department of Community Health and Epidemiology and the Department of Mathematics and Statistics of Queen's University Canada from 1987-2001.



Director: Prof. Helen MENG

Centre for Perceptual and Interactive Intelligence was established by CUHK in 2020. Centre Director Prof. MENG and Principal Investigators have rich backgrounds in computer vision, multilingual speech and language technologies, natural language processing, and AI-enabled design automation. CPII runs research programmes covering Visual Intelligence, and Speech & Language Intelligence; and develops applications for Vision- and Language- based Healthcare AI, Vision-based Urban Services, and AI-Enabled Design and Automations. By conducting and deploying cutting-edge research for impactful applications spanning across several strategic areas, CPII hopes to confront some of the world's most pressing challenges and to innovatively transform many existing processes and services, into an entirely new space.

Thematic Talk by Prof. Yeung YAM



Prof. Yeung YAM

Program Leader and Principal Investigator, Centre for Perceptual and Interactive Intelligence
Principal Investigator, Multi-Scale Medical Robotics Center
Research Professor, Department of Mechanical and Automation Engineering
Director, CUHK Shenzhen Research Institute (SZRI)
Associate Master, Lee Woo Sing College

Prof. YAM is a Program Leader and Principal Investigator of the Centre for Perceptual and Interactive Intelligence (CPII), and a Principal Investigator of the Multi-Scale Medical Robotic Center (MRC). He also serves as the Director of the CUHK Shenzhen Research Institute, and the Principal Investigator of the CUHK Jockey Club AI for the Future Project on driving secondary school AI education in Hong Kong. Before joining CUHK, Prof. Yam was with the Jet Propulsion Laboratory, Pasadena, CA, in USA. His general research interests include intelligent systems, surgical robots, and human skill acquisition. He has published over 250 technical papers in his areas of interest.

Topic: Fabrication and AI-enabled Applications of 3D-formed Composite Materials

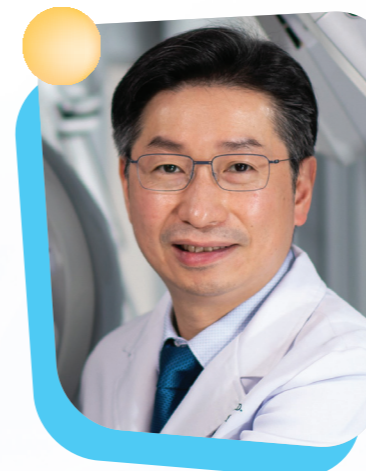
A key objective in the research of AI-enabled personalized design and fabrication at CPII is the incorporation of novel materials to wearable fabrics for enhanced applications. Normal knitting process, with its characteristic loop structure, is limited for this purpose -- materials such as carbon fibre, for example, tend to break during the looping process or even damage the knitting machine due to their high stiffness. On the other hand, weaving can readily handle these materials because its stitching structure is basically composed of straight weft and warp threads. In this talk, we will introduce the development of a computer-controlled weaving machine prototype capable of incorporating non-traditional materials in the fabrics. The prototype is able to execute the 3D form fitting technology developed in our laboratory intended originally for knitting machines. So far, our weaving prototype has produced 3D fabrics embedding materials that include carbon fibres, optical fibres, and conductive threads. These the 3D-formed composite materials will have strong potential in fashion design, wearable devices and serving as touching/touchless sensors for close-proximity human-robot collaboration. Moving forward, AI-based techniques will be applied for enhanced interpretation of sensory signals from these 3D fabrics to facilitate their future applications.

Director: Prof. Philip CHIU and Prof. Samuel AU

The Multi-Scale Medical Robotics Center (MRC) was established by the Faculty of Medicine and the Faculty of Engineering of CUHK in collaboration with ETH Zürich, Imperial College London, Johns Hopkins University and the University of Hong Kong.

MRC support three research programmes and together as a medtech translation ecosystem, is within 15 minutes' drive from Prince of Wales Hospital and CUHK Medical Centre. The Center will serve as a medical robotics incubation hub to foster medical technology start-ups, provide training in surgical robotic technologies, offer pre-clinical evaluation support services, and promote the commercialization of novel medical robotics technologies.

Thematic Talk by Prof. Philip CHIU



Prof. Philip CHIU

Director, Multi-Scale Medical Robotics Center
Professor, Head of Upper Gastrointestinal and Metabolic Surgery, Department of Surgery, Institute of Digestive Disease, State Key Laboratory for Digestive Disease
Associate Dean (External Affairs), Faculty of Medicine
Director, Chow Yuk Ho Technology Centre for Innovative Medicine
Director, Office of Global Engagement

Prof. CHIU is Director of Multi-Scale Medical Robotics Center, Associate Dean (External Affairs), Faculty of Medicine and Professor and Chief of Division of Upper GI & Metabolic Surgery, CUHK. He performed Hong Kong's first ESD and POEM in 2004 and 2010, respectively. In 2011 he pioneered world's first robotic gastric ESD, followed by first robotic colorectal ESD in 2020. He has published over 370 peer reviewed manuscripts and is currently co-editor of Endoscopy. He received State Scientific Technology and Progress Award from People's Republic of China in 2007 and Spirit of Hong Kong Award on Innovation in 2020.

Topic: Endoluminal Robotics for GI Cancer – from Prototype to Clinical Application

Early GI cancers can be managed by endoscopic resection without surgery. Endoscopic Submucosal Dissection (ESD) is the current standard for treatment of early GI cancers. However, ESD is difficult to learn and one of the reasons is the lack of traction and dissection devices. Endoluminal robotics will enhance the performance of ESD through precise multi-directional traction and dissection. In this presentation, I will share my experience of collaborating with engineers in the design and development of a novel endoluminal robotic system for performance of ESD from bench prototype to clinical application.

Director: Prof. Yun-hui LIU
Co-director: Prof. Masayoshi TOMIZUKA

Hong Kong Centre for Logistics Robotics was founded by CUHK under the support of InnoHK Clusters of HKSAR government, with research contributions from the University of California, Berkeley. The Centre is currently focusing on four research streams in logistics-related robotics technologies, namely: Robust Sensing and Perception, Human-robot Collaboration, Smart Manipulation Robots, and Unmanned Logistics Vehicles.

The TransCam 3D developed by our spin-off DepthVision, is the first and only 3D camera capable of acquiring 3D shape of transparent objects with high accuracy, high speed and a large field-of-view, which garners the gold medal in Geneva Invention 2023.

Thematic Talk by Prof. Yun-hui LIU



Prof. Yun-hui LIU

Ph.D., IEEE Fellow
Director, Hong Kong Centre for Logistics Robotics
Choh-Ming Li Professor of Mechanical and Automation Engineering
Director, CUHK T Stone Robotics Institute

Prof. LIU received his Ph.D. degree in Applied Mathematics from University of Tokyo. He joined CUHK in 1995 and is currently Choh-Ming Li Professor of Mechanical and Automation Engineering. He also serves as Director of CUHK T Stone Robotics Institute, and Director/CEO of Hong Kong Centre for Logistics Robotics. His research interests include visual servoing, logistics robotics, medical robotics, multi-fingered grasping and machine intelligence. He has published more than 500 papers in refereed journals and conference proceedings and was listed in the Highly Cited Authors (Engineering) by Thomson Reuters in 2013. He is an IEEE Fellow.

Topic: Transferring Technologies in Labs to Industry

Academic research differs from the development of translational technologies that aim for real-world applications in terms of objectives, approaches, etc. To develop a technology to a real product, academic people need to be prepared for challenges that are hardly seen in academic research. In this talk, we would like to share our experiences in transferring robotics technologies developed at the research labs to industrial sectors. The start-ups from CUHK T Stone Robotics Institute will be used as examples to explain the challenges to be overcome and to demonstrate the opportunities for commercialization of Hong Kong's innovative technologies in the Greater Bay Area, Mainland and the world as well.

Director: Prof. Patrick YUNG
Co-Director: Prof. Woody CHAN

The Center for Neuromusculoskeletal Restorative Medicine has been established to advance biomedical research and development related to neuromusculoskeletal medicine. Combining the expertise in stem cells, biomaterials, 3D bioprinting, tissue engineering, and personalised and translational medicine of CUHK and Sweden's Karolinska Institutet, the Center is devoted to restoring structure and function to injured, diseased and degenerated (due to ageing or trauma) neuromusculoskeletal tissues and organs. This multi-disciplinary, international consortium aims to apply convergent principles and technologies of biomedical science and engineering to ultimately address mobility impairments and improve patients' overall well-being.

Thematic Talk by



Prof. Woody CHAN

Co-Director, Center for Neuromusculoskeletal Restorative Medicine
Associate Director (Graduate Education)/Professor, School of Biomedical Sciences
Chief/Professor, Thematic Research Program, School of Biomedical Sciences

Prof. CHAN obtained his Ph.D. degree from CUHK and postdoctoral training in University College London, UK and Harvard Medical School, USA. His research mainly focuses on the early development of the central, peripheral and enteric nervous systems.

Prof. Hon-Fai CHAN

Principal investigator, Center for Neuromusculoskeletal Restorative Medicine
Assistant Professor, Institute for Tissue Engineering and Regenerative Medicine
Assistant Professor, School of Biomedical Sciences

Prof. CHAN received his Ph.D. degree from Duke University and postdoctoral training at Columbia University and MIT. His research mainly focuses on advancing biofabrication approach and biomaterial design for stem cell tissue engineering and regenerative medicine.

Prof. Dai Fei, Elmer KER

Principal investigator, Center for Neuromusculoskeletal Restorative Medicine
Assistant Professor, Institute for Tissue Engineering and Regenerative Medicine,
School of Biomedical Sciences

Prof. KER completed his Ph.D. degree at Carnegie Mellon University and postdoctoral training at Stanford University. His research interests include biomaterial development and computer vision-based cell tracking.

Prof. Dan, Michelle WANG

Principal investigator, Center for Neuromusculoskeletal Restorative Medicine
Assistant Professor, Institute for Tissue Engineering and Regenerative Medicine
Assistant Professor, School of Biomedical Sciences

Prof. WANG trained and practiced dentistry (Sun Yat Sen University) before receiving her Doctoral Degree (University of Pittsburgh) and postdoctoral training (Stanford University). Prof. Wang and her team are focused on elucidating the contributions of extracellular matrix (ECM) components in the stem cell microenvironment and applying such knowledge towards the engineering of novel biomaterials for musculoskeletal tissue repair.



Topic: New Developments in Musculoskeletal Repair

Organ-on-a-chip

Organ-on-a-chip is a technology that uses microfabrication techniques to create miniaturized models of human organs which can potentially replace animals for disease modeling and drug screening. Prof. Chan Hon Fai will introduce the latest work on developing organ-on-a-chip models including muscle-on-a-chip.

Translating decellularized extracellular matrix-centric biomaterials for clinical tendon repair

Prof. Wang's team has been working on extracellular matrix (ECM)-centric approaches to augment tendon regeneration. They have developed various clinically practical biomaterials, including a highly bioactive, tendon ECM hydrogel and a mechanically robust, ECM-functionalized polyurethane elastomer. These innovative efforts will advance the understanding and application of ECM-based technologies to assist in clinical tendon repair.

Biomaterials for musculoskeletal repair

Prof. Ker's lab has developed photo-crosslinkable biomaterials for engineering devices for musculoskeletal tissue engineering and regeneration. He will briefly detail an example in which such biomaterials can be useful for ensuring effective surgical repair of tissues. This work showcases the mechanical advantage of photo-crosslinkable biomaterials and has potential applications in musculoskeletal therapeutics.

CENTRE FOR
NOVOSTICS

Scientific Director: Prof. Dennis LO

The Centre for Novostics (Novostics), with the meaning of novel diagnostics, aims to push forward the frontier of molecular diagnostics. Novostics will focus on the development of cutting edge diagnostics based on cell-free nucleic acids in blood and other bodily fluids, particularly around prenatal diagnosis and cancer diagnostics. With the experience in developing prenatal testing of fetal chromosome disorders, the centre plans to extend the work to single gene disease and other pregnancy-associated conditions. A combination of genomic, epigenomic, transcriptomic and fragmentomic technologies will be employed to tackle bottlenecks in cancer diagnostics and investigate the tissue origin of malignancy by cell-free nucleic acid analysis, particularly for cancer types prevalent in Hong Kong, mainland China and Asia. These research areas will accelerate the application of liquid biopsy and promote Hong Kong as a leading molecular diagnostic centre in the world.

Thematic Talk by Prof. Allen CHAN



Prof. Allen CHAN

Deputy Scientific Director, Centre for Novostics
Tony Mok Professor of Medicine and Professor of Chemical Pathology,
Department of Chemical Pathology
Assistant Dean (External Affairs), Faculty of Medicine

Prof. CHAN is a co-inventor of the noninvasive prenatal test for Down syndrome. This technology has rapidly been adopted for clinical service with millions of tests performed each year globally. He has also pioneered the development of plasma DNA-based cancer tests (also known as liquid biopsy) and led the first large-scale trial to investigate if plasma DNA analysis is useful for cancer screening. Allen has filed over 2,500 patent applications in 86 families of inventions. He is named as one of the "Top Twenty Translational Researchers" by Nature Biotechnology in 2020.

Topic: Early Detection of Cancers by Plasma DNA Analysis

In cancer patients, DNA is released from tumor cells into blood plasma. The profiling of cancer-associated methylation changes in the circulating cell-free DNA represents a noninvasive means for the detection and monitoring of cancers. In addition, the detection of cancer-type specific alterations can provide information about the potential tissue origin of the cancer in subjects showing positive results. We used nasopharyngeal cancer as a model to demonstrate that analysis for cancer-associated DNA changes in plasma is useful for the screening of early asymptomatic cancers and result in improved patient survival. Another round of cancer screening was performed at 4 years after the first round of screening for the 20,000-subject cohort to address the long-term clinical significance of "positive results" in subjects without an immediately identifiable cancer.

MagIC MICROBIOTA
I-CENTER

Director: Prof. Siew NG

Co-director: Prof. Francis CHAN

First Asia-based, leading International Microbiome Innovation Centre.

Pioneering microbiome research leading to scientific discoveries and clinical applications of gut microbiota has set foot in the newly founded Microbiota I-Center (MagIC) in Hong Kong. Together with top-notch researchers, the center will focus on utilizing the human gut microbiome for the development of novel microbial biomarkers and personalized microbiome therapeutics. This approach sets a new frontier for the pharmaceutical, healthcare, and food industries in Hong Kong.

Thematic Talk by Prof. Hein TUN



Prof. Hein TUN

Associate Director, Microbiota I-Center
Associate Professor, The Jockey Club School of Public Health and
Primary Care

Prof. TUN is a public health veterinarian and microbiome scientist, currently an Associate Professor at the JC School of Public Health and Primary Care, Faculty of Medicine, CUHK and a Lead Scientist at the Microbiota I-Center (MagIC). Prof. Tun has been a key member for several microbiome innovations that have significant potentials for clinical applications and commercialization. He has published more than 100 original research articles in high impact journals such as Gut, Gastroenterology, Lancet Microbe, Nature Communication, JAMA Pediatrics etc. Prof. Tun has also received several international research awards including the 2023 MolecularCloud Most Social Impact Teams Award and the Gold Medal at the International Exhibition of Inventions Geneva 2021.

Topic: Microbial Wall Street: Hope for New Medical Frontiers and Societal Benefits

The world of biomedical innovation is on the cusp of a revolution, as scientists begin to unlock the power of human microbiome. A blend of human and microbial traits including the full array of microbes that live on and in the host and their genomes that contribute the broader genetic portrait suggests that the human body as a "superorganism". Increasing scientific evidence enlightened us by defining the role of our gut microbiome in health and diseases, and highlights the potential for harnessing its power to develop new therapies and solutions to some of the most pressing challenges in modern medicine. This, in turn, has resulted the establishment of the Microbiota-I-Center (MagIC) under the InnoHK program of the Innovation and Technology Commission of the Hong Kong SAR government in order to develop novel classes of microbiome diagnostics and therapeutics that will accelerate Hong Kong into a world-class microbiome biotechnology hub. In my presentation, I will highlight our key technological innovations such as the development of a microbiome precision formula and an effective fecal microbiota transplantation technology as well as achievements in nurturing next-generation talents that lead to new frontiers in medicine and broader societal benefits.

ABOUT THE COMPETITION

The name Elevation Pitch Competition comes from the notion that a short summary of the business ideas and innovative solutions should be delivered in the short time period of an elevator ride. In this challenge, your objective is to win an investor's heart to "invest" in your company.

AWARD

- Champion
- First Runner-up
- Second Runner-up
- Most Innovative Technology Award

JUDGING CRITERIA



Clarity & Completion of Pitch



Value of the Addressable Market



Value Proposition & Competitive Advantage of Product Offering



Go-to-market Strategy & Revenue Model



Quality of Team

JUDGING PANEL



Mr. Raymond CHU

Associate Director – University Collaborations & Entrepreneurship, Hong Kong Science & Technology Parks Corporation (HKSTPC)

Raymond is responsible for entrepreneurship education, pre-incubation programme management, and university partnership. Before joining HKSTPC, Raymond served as Assistant Director of Knowledge Transfer & Entrepreneurship Office at The Hong Kong Polytechnic University (PolyU), driving various university-wide entrepreneurship initiatives ranging from seed funding programmes to entrepreneurship education. Under his purview, more than 300 startups had been supported and over 1,000 entrepreneurs nurtured since 2011. Raymond has a strong passion in youth innovation and entrepreneurship education. He had served in several professional bodies and was also a frequent speaker in entrepreneurship conferences and judge for many incubation / entrepreneurship competitions and programmes.



Ms. Ellen LEE

Manager, CUHK Innovation Limited

Ellen is a financial professional with over a decade of experience and a sincere devotion to impact investing. As a manager at CUHK Innovation Limited, she has extensive knowledge of investment, financial regulations, and startups. She is dedicated to generating sustainable value and specialises in ESG concerns. Ellen earned a Bachelor's degree in Investment Science from The Hong Kong Polytechnic University and a Master's in Corporate Governance and Compliance from Hong Kong Baptist University. She holds several certifications, including Chartered Alternative Investment Analyst (CAIA®), Certified ESG Analyst (CESGA®), Chartered Secretary and Chartered Governance Professional with The Hong Kong Chartered Governance Institute, and Qualified Accountant with the Institute of Public Accountants.



Ms. Annie TO

Partner, Centillion Capital Limited

Annie is a seasoned executive with a diverse background encompassing banking, consulting, corporate finance, entrepreneurship, and senior management roles across multiple sectors. She actively engages in community services and is committed to sharing her wealth of knowledge to contribute to the inclusive Innovation & Technology ecosystem in Hong Kong. Annie's passion, curiosity, and creativity are instrumental in fostering an entrepreneurial spirit, with a particular focus on sustainability and impact investment. Her dedication to making a positive impact adds significant value to any endeavour she undertakes.



Mr. Garry YU

Director – PE Asset Management

Garry is a seasoned business professional and a DBA candidate at the University of Wales Trinity Saint David, UK. Years ago, he earned his EMBA from the University of Hull, UK. Garry is the Director of PE Asset Management at Gaw Capital and has held senior executive positions at various companies. He is involved in diverse business consultancy, corporate training, and community work. With solid management and operational knowledge, Garry proactively monitors and maintains high levels of quality and accuracy in strategic planning efforts and lecturing on his own time. Moreover, in his entrepreneurial experience, he has owned and sold automobile dealerships and other businesses in Canada.

ACE NanoMed Limited



Prof. Anna TSANG

ACE NanoMed is a R&D company aiming to commercialize therapeutics with highly specific targeting effect to Epstein-Barr virus (EBV)-associated malignancies, including nasopharyngeal carcinoma (NPC), and all other EBV-positive cancers. These targeting treatments have few side effect, and the patient can have better quality of life during and after treatments.

#BiomedicalTechnology #InnovativeDrug #EBV #CancerTreatment



Chinese Writing Wizard



Ms. Rainie LEUNG

巫筆 (Chinese Writing Wizard) is an advanced AI teaching tool providing model essays, AI grading, and practical writing prompts. By inputting topics and grade levels, teachers get tailored essays. It offers writing tips, grades essays, and aligns with 2024 DSE reforms, assisting in lesson planning and student assessments.

#個性化學習支援 #AI作文批改功能 #範文製作 #實用文試題製作 #教育革新



Astra Optics Limited



Prof. Shih-chi CHEN

We provide the first mass-produced multi-material 3D fabrication solution with nanometer precision in the global market. The femtosecond projection Nanoprinter can simultaneously demonstrate record-setting resolution (20 nm), throughput (100s mm³/hour), three orders of magnitude faster than existing commercial products), multiple materials (20+), and substantially lower cost (1.5 USD/mm³).

#3D Printing #Nanofabrication #Advanced Manufacturing



Da Tong



Mr. Chun-man KUNG

Da Tong is an edtech company providing an interactive virtual learning platform. Students immerse in historical worlds guided by AI teaching avatars. Adaptive lessons promote STEAM skills. The platform partners with schools to develop customized curriculum leveraging 3D simulations and personalized AI assistance for engaging education.

#AI #Avatar #History #Education #VR



Centri Medical Limited



Prof. Aaron HO

Centri Medical Limited is a biomedical start-up which empowers individuals to proactively monitor their health by Point-Of-Care Test (POCT). We aim to provide rapid, precise and reliable in-vitro diagnosis to health enthusiasts. With our state-of-the-art platform, CentriPod, highly sensitive and sample-to-answer detection can be performed in less than 30 minutes.

#healthcare #Biotech #POCT #CUHK #Health



DeFiner



Mr. Ho-tai LAW

DeFiner revolutionizes the gig economy, beginning with design. We provide businesses a virtual design team, merging in-house efficiency without overheads. Streamlining projects, we leverage design databases for optimal matchmaking, aiming to boost efficiency by 50%. Future expansions include more services and AI-driven enhancements.



EXHIBITION BOOTHS: CUHK START-UP PROJECTS

EvanSense Limited



Prof. Daniel ONG

EvanSense provides ultrahigh sensitive and selective sensors and systems for rapid and onsite analysis of molecules and chemicals for different applications, ranging from point-of-care diagnosis for both humans and livestock to environmental monitoring and food and drinking water safety.



GAMLIC Studio



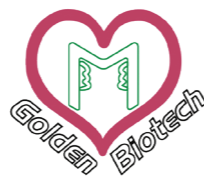
Mr. Ka-pun NG

GAMLIC Studio is a passionate and creative game company fusing AI technology into game development and gameplay. We hope to utilize the newest technology to tackle the problem among the current game industry and create high quality and creative games for entertainment.

#GameDevelopment #Entertainment #AI #StoryCreation



Golden Biotech Limited



Prof. Yang-chao CHEN

The company is aiming at the development of innovative RNA therapeutics for unmet medical needs such as cancer.

Gut Rhythm R&D (Hong Kong) Limited



Prof. John Anthony RUDD

Gut Rhythm create and utilize bio-electrical big-data for artificial intelligence drug discovery and safety assessment. We optimize data extraction to derive almost 200 electrical biomarkers per drug. Our growing drug database now tested >170 drugs, and our preliminary AI prototype to predict vomiting and other side effects is >70% accuracy.

#Electrophysiology #SafetyAssessment #DrugDiscovery #DrugAdverseEffects #GutDysrhythmia



Hope4Care Ltd



Mr. Nikan MAK

Hope4Care Limited is a start-up company dedicated to deliver the intelligent human-computer interaction rehabilitation platform for the elderly and persons with chronic diseases. We are the pioneer of conducting R&D with therapists' training exercises on AR/VR rehabilitation training platform in the world and bringing novel rehabilitation practices into clinics.

#AR #Hope4Care #TeleRehab #CUHK #Healthcare



Hopebotics Limited



Prof. Raymond TONG

Hopebotics Limited excels in crafting innovative medical devices for the rehabilitation of disabled individuals. Focusing on soft robotic solutions, our products empower stroke patients to regain motor function in both clinical and home settings. Our versatile, lightweight devices cater to all ages, providing precise assessments of recovery progress and instilling confidence in users.

#Gerontech #Rehabilitation #Robotics, #Healthcare #MedicalDevice



EXHIBITION BOOTHS: CUHK START-UP PROJECTS

Illuminatio Medical Technology Limited



Prof. Wei-tian CHEN

Illuminatio Medical Technology Limited (IMT) aims to commercialize non-invasive liver diagnostic imaging technology developed at CUHK to provide a comprehensive assessment of chronic liver disease, overcoming limitations of existing methods, which fills the gap in non-invasive diagnosis of liver fibrosis.

#MedicalImaging #Liver #Fibrosis #Diagnosis



Loop Sports Technology Co., Ltd



Mr. Sherman CHU

Coach MORE and coach BETTER with PMX.

PMX is a smart coaching solution for rowing coaches powered by Loop Sports Technology (LST). From collection to decision, PMX automates the end-to-end data usage with effortless implementation. Allowing rowing teams a well-trained coaching assistant in great consistent and flexibility at low cost.

#DataAutomation #Rowing #SmartCoaching #VirtualCoaching #AICoaching



Kongcept Tour



Mr. Ho-hang CHENG

Apart from being a HK cultural content creators on IG with over 20k followers, we are now developing a platform that integrates Hong Kong local cultural activities with lifestyle and promotes intellectual tourism with the use of map navigation and booking system, etc.

#hkculture #香港文化 #hktravel #文化旅遊



Luquos Energy Limited



Prof. Yi-chun LU

Luquos Energy innovates advanced battery technology. The Company is founded by Prof. Yi-Chun Lu's Team from The Chinese University of Hong Kong. The advanced flow battery invented by the team has advantages of inherently safe, low-cost, long cycle-life and eco-friendly, with is promising in renewable energy storage applications.

#Battery #EnergyStorage #RenewableEnergy #MaterialScience #GreenTech



Legal Expression



Mr. Tai-ming CHAN

Legal Expression is a web-based one-stop legal support platform for SME owners. The Legal Expression Webpage is currently in its late developmental stage and we have been allowing access to our close business partners for free internal usage and have been receiving constant positive feedback.

#ArtificialIntelligence(AI) #LegalTech #LegalChatbot #GPT #SME



MicroMag Healthcare Limited



Prof. Li ZHANG, Prof. Tony CHAN, Mr. Charles LIU

MicroMag Healthcare is dedicated to weaving engineering research and medical applications together. We provide instant, easy and accurate diagnoses through innovative microrobotic technology to prevent infectious outbreaks and save lives. Since the inception of our idea, we have received support from ITC and HKSTP to bring our product to fruition.

#IVD #Healthcare #MedicalDevice #MicroRobot #InnovativeTechnology



Mindplus AI Limited



Mr. Hing-lam CHANG

Mind+ 's first project, Vision+, utilizes AI to assist in the detection of minor, early, rare lesions of ophthalmological diseases in OCT scans, which is one of the most widely used diagnostic techniques, with high levels of accuracy and efficiency.

#MindPlusAI #AlInHealthcare #Innovation #DigitalHealth #FutureofMedicImaging



O-Spheres Limited



Prof. To NGAI

Founded in January 2022, O-Spheres Limited offers sophisticated versatile polymer-free hollow microspheres with precisely controlled physical properties, serving as customised eco-friendly alternatives in different industries. We have successfully developed novel hollow physical UV filters, "O-Spheres SunBlocker" to address the issue of microplastics and health concerns associated with conventional UV filters.

#O_Spheres_SunBlocker #UVFilters #Sustainability #Microplastics #CarbonNeutrality



n-hop technologies Limited



Prof. Raymond YEUNG

Introducing BATS: An innovation by n-hop technologies, stemming from groundbreaking research at The Chinese University of Hong Kong. Reshaping IoT networks, BATS enhances multi-hop performance, ensuring consistent throughput across numerous hops. Its success in Hong Kong Government's smart lamppost pilot underscores its potential for diverse applications including 5G, V2X, underwater communication, and more.

#network coding #BATS #n-hop #5G #wireless communication #Smart lampposts #ORAN #GSMA



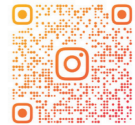
Petalife



Ms. Cheuk-wing SIU

Our groundbreaking pet stool AI project is transforming pet health care with AI-driven pre-diagnosics and personalized nutrition. By analyzing stool samples, we detect parasites, bacteria, and abnormalities early, ensuring happier, healthier pets. Join us on this journey towards a brighter future for our furry companions.

#AI #Pets #Dogs #Health #Technology



OriGene DNA Testing Company Limited



Prof. Pang-chui SHAW

Origene DNA Testing Co., Ltd. fills the gap in the current market for identification and testing technology, and develops and promotes DNA barcode technology for verifying raw materials in the health and TCM industry.

#DNATest #DNABarcode #Traceability #ChineseMedicine #TCM



Precision Cut Limited



Prof. Shih-chi CHEN

Precision Cut Limited is founded by a team of experts in precision engineering and biomedical engineering from CUHK. We are dedicated to developing ultrafast oscillating blade microtome for precision tissue sectioning. The new microtome enables the precise sectioning of various ultrasoft tissues that are hard to process before.

#Microtome #Vibratome #3DImaging #Pathology#DrugScreening



EXHIBITION BOOTHS: CUHK START-UP PROJECTS

Provectus Therapeutics



Mr. Man-kin SUEN

Provectus Therapeutics develops the Next Generation Drug Screening AI Platform to achieve in-depth tumor analysis, high throughput single cell drug screening and personalised cancer treatment customization for all each cancer patient. Let's fight cancer with the tailored treatment.

#PrecisionOncology #SolidTumor #PersonalisedTreatment
#SingleCellDrugScreening #ArtificialIntelligence



SenseTime



Prof. Xiao-ou TANG

SenseTime is a leading AI software company focused on creating a better AI-powered future through innovation. We are committed to advancing the state of the art in AI research, developing scalable and affordable AI software platforms that benefit businesses, people and society as a whole, while attracting and nurturing top talents to shape the future together.

#AGI #AI #SenseNova #SenseTime



Rare Power Limited



Prof. Edwin CHAN

Rare Power Limited is a biotech startup specializing in innovative solutions for rare neurological diseases. Our services prioritize Care, Check, and Cure to all patients. We develop transformative therapies for repeat expansion diseases like Huntington's Disease (HD). We also develop vocal digital biomarker and provide care to communication-impaired patients through AI technologies.

#HKBiotechStartup #RareNeurologicalSolutions #VocalBiomarkers
#DrugDiscovery #CommunicationImpairment

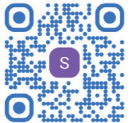


SmartAge Intelligence Limited



Mr. Jason OR

SmartAge Intelligence promotes aging in place and intergenerational harmony through gerontech. We offer smart home analysis, community referrals, and AI-based early health risk identification. Our proactive care includes emergency alerts and preventive measures. Selected for Hong Kong Housing Authority's Proof of Concept Program, we plan to expand into healthcare data market with health marketing services. Our management team has strong EMBA network, international experience, business-tech expertise, and entrepreneurial backgrounds.



READily



Mr. Kam-ming SHEK

READily is a portal to generate reading comprehension exercises according to any articles in one click. With READily, we hope to provide tailor-made language learning experiences to students.

#AI #Education #Ed-tech #Schools #English



SmartMore



Prof. Jia-ya JIA

SmartMore corporation is a fast-growing high-tech company specialized in providing comprehensive products & solutions for smart manufacturing and digital innovation. We are pioneering in the research of cutting-edge technologies such as manufacturing optimization and machine vision, creating platforms with greater scalability and broader applications.



SOTA Robotics (HK) Limited



Prof. Fei CHEN

SOTA Robotics (HK) Limited provides automated waste sorting, auditing, and ESG solutions to the recycling and waste management industries. The company develops and markets automated robotic solutions for sorting metal waste, municipal waste, WEEE, and IC waste. It also offers software and hardware components for sensing, processing, and handling waste.

#SOTA Robotics #GreenTechnology #Waste Reduction #Smart Sorting



Space Tutor



Mr. Tsz-fung WONG

Space Tutor offers AI-driven English learning in Hong Kong. We use dynamic profiling and experienced teachers for customized lessons. Our transparent system aggregates data for AI analysis, crafting personalized practices. Committed to equipping children with essential English skills, we continually refine our methods to enhance learning and engagement.

#Edtech #PersonalizedLearning #EnglishLearning #AIGeneratedMaterials #GPT4



ThingX Technologies Limited



Prof. Guo-liang XING

ThingX develop the innovative product to improve the people's life with embedded AI technology.

#FallDetection #Genrontech #SmartHealth #IoTDevice #HealthTechnology



TiFi Technologies Limited



Prof. Soung-chang LIEW

TiFi provides technologies and products that enable reliable time-sensitive wireless networks, a key component for a wide range of Industrial 4.0 applications. TiFi aspires to become a leading provider of cutting-edge wireless technologies and products for industrial usage within five years. The team members have an aggregate of more than 60 person-years of R&D experience in wireless communication technology.



V Dimension



Mr. Chun-kit CHOW

V Dimension is a VTuber (Virtual YouTuber) agency that helps indie VTuber to become successful and professional via different services, including dedicated management, content and media mix, and all-rounded training.

#VTuber #HKVTuber



Ynno Med Limited



Prof. Xiao YANG

YnnoMed is a drug R&D platform committed to helping those suffering from drug-resistant infections by developing first-in-class antimicrobials with new modes-of-action using our in-house AI-assisted technology. Working closely with our international partners, we seek to turn the tide of antimicrobial resistance by marketising the first "Made in Hong Kong" antibiotics.

#Biotechnology



CUHK SUPPORTING UNITS IN INNOVATION AND ENTREPRENEURSHIP

Office of Research and Knowledge Transfer Services



The Office of Research and Knowledge Transfer Services (ORKTS) supports researchers with research grants, industry-university collaborations, research contracts, IP development and licensing, research ethics policies and other knowledge transfer services, with a view to "unlocking" knowledge for promoting CUHK's research excellence and innovation, and their translation into social impacts and benefits.

ORKTS one-stop services

- Co-Working Space
- Mentorship & Incubation Programs
- Funding & Investment Opportunities
- Marketing & Publicity Channels
- IP & Legal Consultation Services
- Workshops, Seminars & Talks
- Event Venue & Facilities

Knowledge Transfer Funding Opportunities at ORKTS

- Technology Start-up Support Scheme for Universities (TSSSU Fund)
- Knowledge Transfer Project Fund (KPF)
- Sustainable Knowledge Transfer Project Fund (S-KPF)
- Pre-Incubation Programme (Pi Programme)



ORKTS Teams

- Grants Team
- Administration Team
- Information Management Team
- IP and Technology Licensing Team
- Legal and Technology Licensing Team
- Legal and Compliance Team
- InnoCentres and Special Programmes Team
- Innovation and Impact Development Team
- InnoPort Team
- Venture Acceleration Team
- Social Innovation Team
- Knowledge Transfer Events Management Team



CUHK InnoPort



Strategically located next to the University MTR station, InnoPort is an Innovation and Entrepreneurship hub connecting CUHK professors, students and industry partners. InnoPort offers a variety of facilities such as co-working space, event hall and meeting room, where the ORKTS teams assist student teams and professor teams to translate their research and ideas into business opportunities, and to generate impactful outcomes.



InnoPort@Shanghai (CUHK Shanghai Centre)



Shanghai base of CUHK InnoPort (Innoport@Shanghai) is jointly established by the Yangpu District and CUHK. It will serve as an incubation platform for the CUHK Shanghai Centre, providing one-stop support services for the translation and commercialisation of scientific research outcomes in Shanghai.



The National Torch Academy of Innovation and Entrepreneurship (ZGC)



The National Torch Academy of Innovation and Entrepreneurship (ZGC) is a national-level innovation platform dedicated to promoting technology transfer and research commercialization of major innovative technologies and nurturing quality innovative talents and globally competitive tech companies.



Alumni Affairs Office



With the great support of Alumni Affairs Office (AAO), the CUHK Alumni Torch Fund is committed to organize CUHK Entrepreneur Day annually. This event aims to promote CUHK distinctive entrepreneurship ecosystem and provide a one-stop platform to students, alumni and staff to inspire each other on their experiences of innovation and entrepreneurship.



Office for Greater Bay Area Developments



The Chinese University of Hong Kong established the Office for Greater Bay Area Developments (GBAO) in 2020 to actively participate in the development of the Greater Bay Area and facilitate the University's strategic plans. GBAO will also help promote and implement the University's various initiatives/projects in the Greater Bay Area.



Office of Innovation and Enterprise

The Office of Innovation and Enterprise (OIE) facilitates the translation of CUHK innovations via establishing vibrant and interactive platforms amongst the industries, investors, government and academia. While communicating the external parties and enterprises with CUHK researchers, OIE specifically serves start-up companies formed by CUHK students, staff and alumni, promoting public-private-university partnerships.



Supporting Organizations:



ACKNOWLEDGEMENT

Supporting Organizations:



CUHK Innovations Enriching Society 中大創新 造福人群

Enquiry 查詢:

 (852)3943 9568  innovation.day@cuhk.edu.hk

 <https://innovationday2023.cuhk.edu.hk>