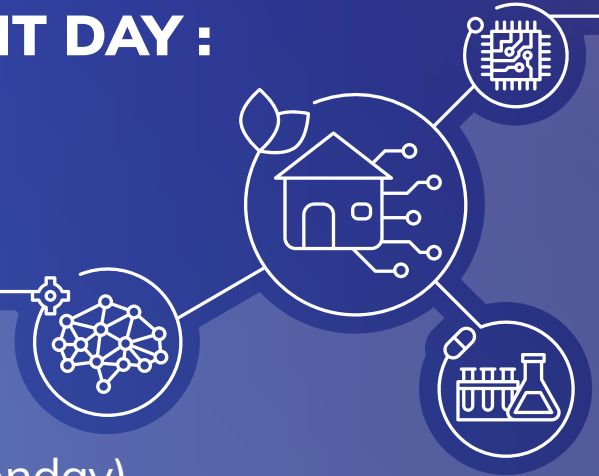


HKUST INDUSTRY ENGAGEMENT DAY : INNOVATION AND TECHNOLOGY SHOWCASE



Date: 7 November 2022 (Monday)

Registration: Starting from 09:00

Venue: The Shaw Auditorium, and
the HKUST Jockey Club Institute for
Advanced Study, HKUST

Guest Remarks



Prof. Dong SUN, JP

Secretary for Innovation, Technology and Industry
Government of the Hong Kong Special Administrative Region

Welcome Address



Prof. Nancy IP

President
The Hong Kong University of Science and Technology

Opening Speech



Prof. Tim CHENG

Vice-President for Research and Development
The Hong Kong University of Science and Technology

Featured Keynote Speakers



Mr. Henry MA

Executive Vice President
and Chief Information
Officer
WeBank Co., Ltd



Mr. Kecheng WANG

Chief Executive Officer
Guangdong Bright
Dream Robotics Co., Ltd



Mr. Hamilton HUNG

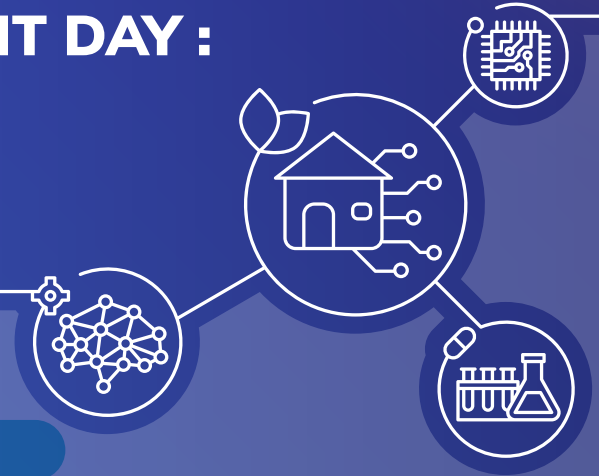
Chief Marketing Officer
Chiaphua Industries Ltd



Dr. Yanhui GENG

Director, Hong Kong Research
Center
Huawei Technologies Co., Ltd

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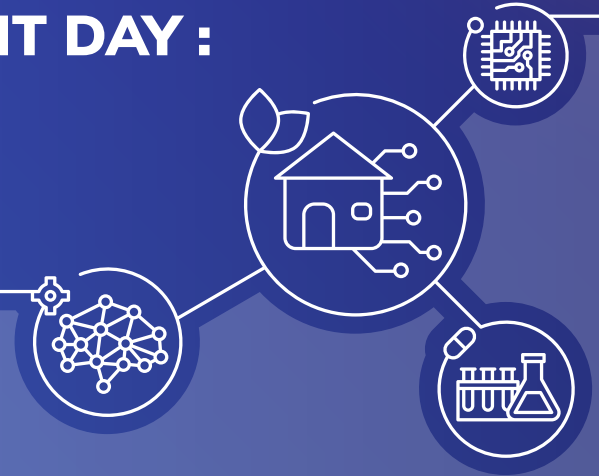
PROGRAM

Part I: Symposium Location: Shaw Auditorium

Time	Program
09:00	Registration Starts
09:30-10:25	Welcome Address by Prof. Nancy IP, President of HKUST Guest Remarks by Prof. Dong SUN, Secretary for Innovation, Technology and Industry, Government of the Hong Kong Special Administrative Region Opening Speech by Prof. Tim CHENG, Vice-President for Research and Development of HKUST HKUST Industry Collaboration Award and Presentation Ceremony
10:25-11:25	Keynote Presentations from Industrial Leaders Experiences, Opportunities and Expectations of University-Industry collaboration for Driving HK's Innovation Agenda <ul style="list-style-type: none">• Dr. Yanhui GENG, Director, Hong Kong Research Center of Huawei Technologies Co., Ltd• Mr. Kecheng WANG, Chief Executive Officer of Guangdong Bright Dream Robotics Co., Ltd• Mr. Hamilton HUNG, Chief Marketing Officer of Chiaphua Industries Ltd• Mr. Henry MA, Executive Vice President and Chief Information Officer of WeBank Co., Ltd
11:25-12:00	Technology Showcases Visiting
12:00-13:15	Lunch Break

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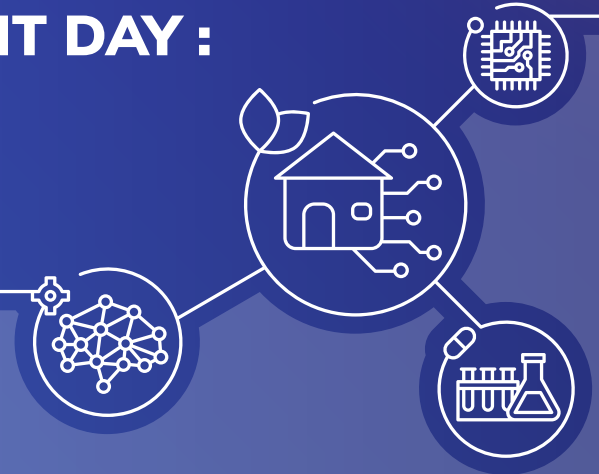
Part II: Concurrent Seminars

Location: The HKUST Jockey Club Institute for Advanced Study (IAS)

Theme	Sustainability and smart living	
Time	Venue: IAS 4/F Seminar Room	Speaker
13:30-14:30	Fuel Cell and Battery Technologies	Prof. Minhua SHAO 
	Rechargeable Alkaline Zn Batteries	Prof. Qing CHEN 
	Materials Innovation for a Sustainable World: from Papers to Products	Prof. Jinglei YANG 
	All-weather Thermochromic Windows for Synchronous Solar and Thermal Radiation Regulation	Prof. Baoling HUANG 
14:35-14:55	Break	
15:00-16:00	Nano-enabled Circular Technologies for Sustainable and Negative Carbon Lifestyle	Prof. King Lun YEUNG 
	Sulphate reduction Autotrophic denitrification and Nitrification Integrated (SANI®™) process	Prof. Guanghao CHEN 
	Green Air-conditioning Technology for a Carbon Neutral Hong Kong	Prof. Qingping SUN 
	Carbon Sponge Brick (CSB) : A New Wall Material by Green Cement & Natural Fibers	Prof. Jishen QIU 
16:15-17:15	Showcase visiting Guided Tour (Assembly at IAS G/F Guided Tour Assembly Point)	









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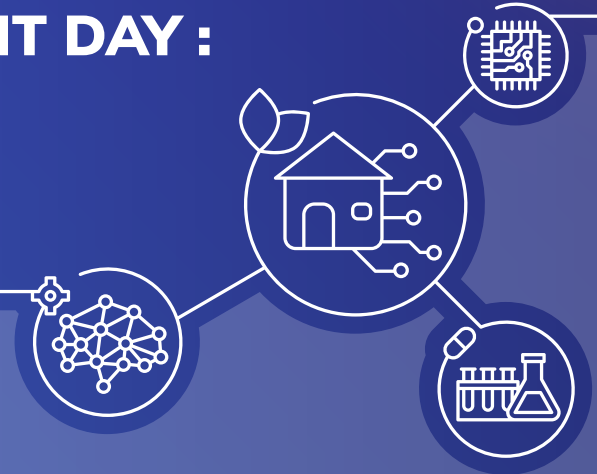
Part II: Concurrent Seminars

Location: The HKUST Jockey Club Institute for Advanced Study (IAS)

Theme	Medical and biotechnology	
Time	Venue: IAS 1/F Seminar Room	Speaker
13:30-14:30	Mobilizing Health and Point of Care: Wearable Technologies and Disposable Devices for Continuous and Non-invasive Health Monitoring	Prof. I-Ming HSING 
	Molecular Diagnostics for Alzheimer's Disease	Dr. Fanny IP 
	Big Clinical AI Systems for Well-Being, Anti-Aging, and Early Detections of Major Illnesses	Prof. David LAM 
	Emerging Opportunities for Biomaterials	Prof. Ying CHAU 
14:35-14:55	Break	
15:00-16:00	Rapid High-resolution Size Separation of DNA and Proteins Through a Silicon Microchip	Prof. Levent YOBAS 
	Label-free Histological Imaging System	Prof. Terence WONG 
	Trustworthy Artificial Intelligence for Medical Imaging and Analysis	Prof. Hao CHEN 
	Empowering Clinical Decision-making by AI-driven Medical Image Analysis	Prof. Xiaomeng LI 
16:15-17:15	Showcase visiting Guided Tour (Assembly at IAS G/F Guided Tour Assembly Point)	








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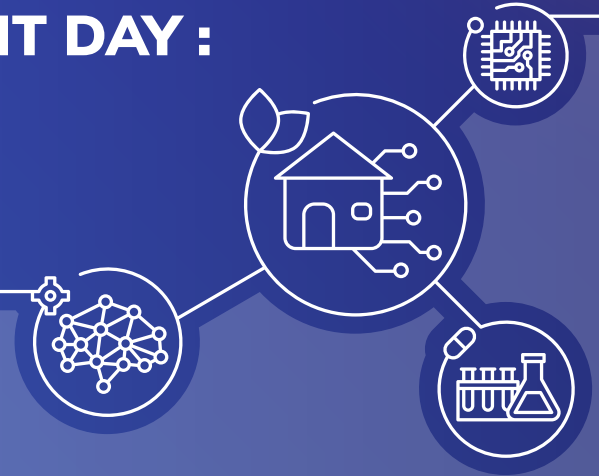
Part II: Concurrent Seminars

Location: The HKUST Jockey Club Institute for Advanced Study (IAS)

Theme	Semi-conductor, sensors and microelectronics	
Time	Venue: IAS 2/F Seminar Room	Speaker
13:30-14:15	Nanostructured Smart Gas Sensor Systems for Smart Homes and Buildings	Prof. Zhiyong FAN 
	GaN Technologies for Power, RF and Digital Applications	Prof. Kevin CHEN 
	Development of Comfort Wearable Interface for Metaverse	Prof. Hongyu YU 
14:20-14:40	Break	
14:45-16:00	CMOS Transceiver Circuits for VCSEL-based Short-Reach High Speed Optical Data Communication Links	Prof. Chik Patrick YUE 
	Advancing RF Filter Chips for Next-Generation Wireless Communication	Prof. Yansong YANG 
	Technology Platform for Flexible Electronics	Prof. Man WONG 
	Making IoT Smart by Accelerating AI Computing Using Hardware	Prof. Chi-Ying TSUI 
16:15-17:15	Showcase visiting Guided Tour (Assembly at IAS G/F Guided Tour Assembly Point)	









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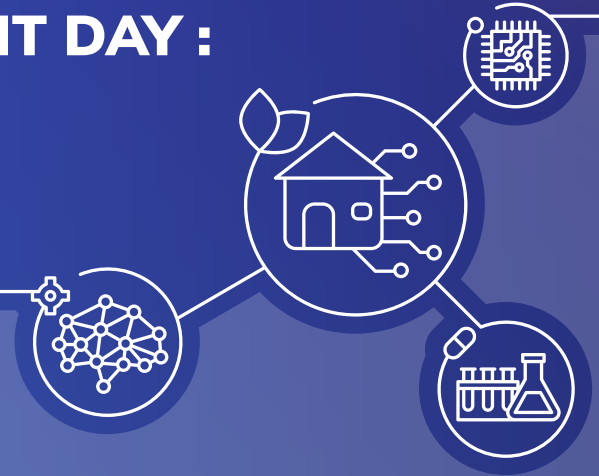


Part II: Concurrent Seminars

Location: The HKUST Jockey Club Institute for Advanced Study (IAS)

Theme	Big Data, AI, Fintech and robotics	
Time	Venue: IAS KAISA Group Lecture Theatre	Speaker
13:30-14:15	Data Engineering and Application	Prof. Xiaofang ZHOU 
	Human-AI Teaming for Data Analytics and Decision Making: A Visualization Approach	Prof. Huamin QU 
	Big data, Machine Learning and AI Investing in the China A-shares Market	Prof. Haifeng YOU 
14:20-14:40	Break	
14:45-16:00	AI Legal Assistant	Prof. Yangqiu SONG 
	Cyber-Physical Systems Security: A Control-Theoretic Approach with Applications in Safe Autonomous Driving	Prof. Ling SHI 
	Invertible Image Processing and Restoration	Prof. Qifeng CHEN 
	Deep Learning Approach Financial NLP	Prof. Yi YANG 
	Research and Application of Key Technologies for Collaborative Decision-making for Long-term Operation of Autonomous Vehicles	Prof. Lujia WANG 
16:15-17:15	Showcase visiting Guided Tour (Assembly at IAS G/F Guided Tour Assembly Point)	

HKUST INDUSTRY ENGAGEMENT DAY : INNOVATION AND TECHNOLOGY SHOWCASE



Shuttle Bus Arrangement

Morning

Free-Shuttle:

Route 1: Admiralty to HKUST
(08:10 and 08:20)

Pick-up location:
Dark Street, Admiralty Center

Reference map:
<https://bit.ly/3rx5QMu>

Free-Shuttle:

Route 2: Kowloon Tong to HKUST
(08:20 and 08:30)

Pick-up location:
To Fuk Road, Kowloon Tong Station
Exit D

Reference map:
<https://bit.ly/3rBYR58>

Evening

Free-Shuttle:

Route 1: HKUST to Admiralty
(17:30)

Free-Shuttle:

Route 2: HKUST to Kowloon Tong
(17:30)

Public Transportation

<https://cso.ust.hk/tran/pt>