

# The 6th Hong Kong University Student Innovation and Entrepreneurship Competition Awardee List

**Outstanding Organization Award**

**The University of Hong Kong (HKU)**

## Innovation

Award	Institution	Project Name	Name of Participant(s)
Grand prize	HKU	Highly Sensitive, Adaptable Synthetic Antibody Based Biosensor for Infectious Diseases	Lo Yeung, Wang Lin

## Life Sciences

Award	Institution	Project Name	Name of Participant(s)
First prize	HKU	Highly Sensitive, Adaptable Synthetic Antibody Based Biosensor for Infectious Diseases	Lo Yeung, Wang Lin
Second prize	HKUST	ProHeal-Mussel-Inspired Protein Hydrogel for Bioadhesives and Wound Dressings	Yang Zhongguang, Luo Jiren
	HKBU	Flavan-3-ols and Their Oligomers as Potent Anti-Ebola Agents	Tsang Nga Yi, Ma Xinyue, Tian Xueying

Thrid prize	HKU	A Droplet Microfluidics-based Approach for Screening and Development of New RNA Fluorogenic Aptamer	Guo Wei, Zhang Yage
	CUHK	Optical activation of TrkB signaling	Huang Peiyuan
	HKU	3D Multicellular Cancer Microenvironment Platform for High-Throughput Personalized Drug Screening - Acute Myeloid Leukemia (AML) as an Example	Cheung Hoi Lam
Merit Award	CUHK	Identification of potential inhibitors against COVID-19 from clinically approved drugs by structure-based virtual screening	Luo Zhiyuan
	HKU	Differences between 2D versus 3D cultures of nasopharyngeal carcinoma and establishment of 3D tumor drug screening platform	Yi Canhui
	HKU	EPSC-based protein factory	Li Zhuoxuan
	CUHK	Portable Microscope System for Real-Time Aerosol Measurement	Gu songyun, Chen Bingxu, Lai Hua Heng

## Energy, Environmental & Chemical Engineering

Award	Institution	Project Name	Name of Participant(s)
First prize	CUHK	Developing a High-resolution Emission Inventory Tool for Low-Carbon City Management Using Hybrid Method – A Pilot Test in High-density Hong Kong	Cai Meng
Second prize	HKU	Automatic microplastics detector by deep learning assisted digital holography	Zhu Yanmin
	HKU	Load Forecasting for unit commitment with renewable energy integration	Cheng Yau Chung
Thrid prize	HKUST	Smart Air Purifier for Waste Gas Remediation	Lam Dick Shun Hang, Chen Long Feng
	CUHK	Annealing of strontium titanate based thermoelectric materials by graphite mechanistic analysis by spectroscopic and chromatographic techniques	Li Haoran
Merit Award	HKUST	Corntainer	Wong Wai Yin, Lam Hang Yin
	PolyU	Modifications on Ultraviolet Water Purifier	Suen Ching Yau, Lee Ka Sin, Lam Chung Ling, Lai Tsz To

## Information Technology

Award	Institution	Project Name	Name of Participant(s)
First prize	HKU	Ai Hand washing	Kong Chung To, Chen Wei, Jiang Yanqing
Second prize	HKUST	Deep Learning Technology for Dyslexia Pre-screening	Fung Ka Yan, Fung Kwong Chiu
	PolyU	Habits log	Chiu Yuk Man, Lai Tung Yan, Lui Wing Lam, Yan Yu Kan
Thrid prize	PolyU	Automatic physical fatigue assessment for construction workers based on computer vision	Yu Yantao, Yang Xincong
	IVE(ShaTin)	SIGNGHAT - an AI Powered Sign Language Translator	Ng Yee Ching, Chan Ngai Chin, Wan Tsz Hin
	VTC(SHAPE)	Portable AI Runner Training System	Li Yiu Long, Chung Wai Shing
Merit Award	HKUST	Design of a Lo-Ra based scheduled path-planning associated with delivery vessel to infrastructure communication for a floating city model	Lee Chun On Alisdair
	HKUST	Acouband	Kirill Shatilov, Nikolay Lyapunov, Wong Tat Hang
Merit Award	IVE(ShaTin)	ImmersiveKit - A Portable AR /VR Development Framework	Chow Cheuk Hang, Tsui Lap Wai, Chan Chak Fung, Yip Hoi Chun
	IVE(ShaTin)	Incident Reporting App with Automation	Fung Matthew Tze Ken, Wong Tsz Hang, Li Ming Yao, Ng Chi Pong

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**Math. & Phy. / Mechanics & Control Systems**

Award	Institution	Project Name	Name of Participant(s)
First prize	HKU	A Study of Electro-coalescence of Non-wetting Droplets and Their Application	Zhang Yage, Yang Chen Tianyi , Guo Wei
Second prize	CityU	The Human Next-generation Light Source : A White Random Laser	Chen Bo Han, Chen Ying Teng
	HKU	Fast swimming robotic fish for underwater exploration	Liu Qimeng, Shen Zhong
Thrid prize	CUHK	Detecting multi-temporal land cover change and land surface temperature in Pearl River Delta by adopting local climate zone	Wang Ran, Cai Meng
	CUHK	Modularized ROV	Kwok Chun Keung
Merit Award	PolyU	Relationship between Step Length and Step Frequency in 100m Sprinting of World-class Male Sprinters	Yip Man Fung
	HKOU	Device for Filtering Harmful Gas Emission from Building Roof	Tai Kwan Ting, Chu Wing Hong, Liu Ming Kai
Merit Award	HKUST	A low power, efficient, and intelligent wristband to monitor body temperature and track location without GPS	AMJADIAN Mohammadreza, GALLIGAN Patrick Ryan, Li Yuyin, Tse Wai Ming Vivien, Chan Ho Him

## Entrepreneurship

Award	Institution	Project Name	Name of Participant(s)
Grand prize	CUHK	LaSense Ultra-sensitive Gas Sensing and Control system	Xu Ke, Shi Chao, Prof. Ren Wei

## Entrepreneurship Proposal

Award	Institution	Project Name	Name of Participant(s)
First prize	CUHK	Dr. Body	Ma Chun Hung, Xu Zhenda
Second prize	HKU	ReBot - Rehabilitation robot	Yu Zekun, Xue Zian, Zhang Xinyi, Li Ziwei, Li Yang, Zhao Xinqi
	HKOU	Hongikongers	Kuok Yuen Haang, Leung Chiu Kei, Au Hoi Ching
	HKUST	Smart Exterior-Wall Painting Robot	Xuan Junpeng, Ling Chuanyu, Li Longchang , Du Kenan, Zhang Tianjia, Zeng Kuang
Thrid prize	HKUST	SecureNet: A Novel Digital Solution to On-campus Security	Ni Xiaoyuan, Yu Xinying, Xiang Yaohong, Song Sizhe
	CityU	AquaBox	Cheung Ho Lam, Lai Pui Ka Bettina
	HKU	Innovative Engineering Data Manipulation & Administration Terminal - ledmat	Liu Yang, Liu Shiyi, Cai Zengquan
	HKBU	Precise Medicine Engine	Lyu Jiayou, Liu Yeiwei, Ma Xuedi
Merit Award	CityU	Academic Accelerator	Chen Ying Teng
	CityU	Bambambam	Wong Kang Yue Enneth, Shek Hoi Ying
	HKBU	Dancing Rain	Lin Zemao
	CityU	Aggregate	Tung Siu Leung, Ng Chak Yi

## Startup

Award	Institution	Project Name	Name of Participant(s)
First prize	CUHK	LaSense Ultra-sensitive Gas Sensing and Control system	Xu Ke, Shi Chao, Prof. Ren Wei
Second prize	CUHK	Soft Wearable Exoskeletons for rehabilitation	Heung Ho Lam, Tang Zhi Qiang, Shi Xiangqian, Prof. Li Zheng , Prof. Tong Kai Yu
	HKUST	Robotics 5 Axis 3D printer	Cheung Ngai
	HKU	Modernized Shellfish Home (MSH)	Law Ho Ka, Ma Hui, Mok King Him, Zhao Aiwei, Tsun Shue Man
Thrid prize	HKU	Hydrosoft Limited	Shen Zhong, Zhong Hua, Li Jing, Zhang Runzhi, Zhao Yafei, Dr.Wang Zheng
	HKU	Pre-clinical studies of a small molecule KSD179019 on Anti-Hypertension Drug	Kailash Singh, Kenneth Lai, Prof. Billy Kwok Chong Chow
	HKU	Direct Thermal Charging Cell	Huang Yu Ting, Wu Xinya, Pang Chun Lin, Dr. Feng Shien-Ping
	HKU	Litex	Chan Lok Wing, Chan Ka Hou, Yeung Tsz Lok 、 Poon Chi Man Jasmine 、 Chow Pok Yin Cuthbert
Merit Award	CityU	Construction Safety Audit with blockchain (CSAB) Platform	Or Siu Hong, Wong Chun Kit , Zhou Yayi, Zhang Mingcan, Ni Xinyi, Tanha Wahid Adrita, Dr. Fung Wing Hong
	HKUST	MEEZI	Li Chin, Yeung Wing Ching Vinnci, Wang Xinqi
	HKUST	ANIDEEP	Luk Wing San, Tsoi Ho Ching , Lam Chun Tung Patrick, Lam Fong Pui

## Social Enterprise / Culture & Creative Services

Award	Institution	Project Name	Name of Participant(s)
First prize	HKUST	Early Screening and training platform for Neurodevelopmental Disorder	Lam Wing Tung, Wang Xingbo
Second prize	PolyU	Hydro-Acu -Fasical Programme	Wong Hok Man, Tse Hon Ting
	CityU	MealRun	Switch Brillo, Kowshik Balaji, Nissar Ahmed ,Robert Marsch
Second prize	HKUST	The Revolution of Brain Case: LUXETICS	Marco Lewis Clark, Ryan Ho, Priyank Sharma, Christopher Olsson
Thrid prize	HKU	Rainbow of SEN	Chu Cheuk Ying
Thrid prize	HKUST	Art and psychological education	Yu Xiaowen , Wu Li Yan , He Yuda, Liu Menglin
	HKUST	Silent Whisper	Ngan Wai Tung, Ngan Ho Wing,Tse Man Wai
	HKUST	Sigma Gamified Investment Education for Millennials	Chan Wai Yan Vanessa, Poon Chi Man Jasmine, Tam Tsz Ling, Mak Chak Wing, Lam Fong Pui , Wong Shun Kit, Luk Wing San
Merit Award	PolyU	Sealincloud: A software to gather and search news sources	Zhao Chongyin
	HKU	Inframe	Cheng Mutao, Ma Wanxin
	HKOU	Hey World	Lai Hiu Yu, Law Lok Yee, Wong Yip Ching, Chan Ka Man, Lam Suet Ting
	CUHK	A Head	Kuo Yu Hao, Fang Hsin Yu, Hung Yun Yeh, Kao Shih Ting , Hsieh Yuan Chin