

The 7th Hong Kong University Student Innovation and Entrepreneurship Competition–Awardee List

Innovation

Energy, Environmental and Chemical Engineering

Award	Institution	Project Name	Name of Participant(s)
First Prize	PolyU	High Performance Solution-Processed Perovskite Solar Cell Towards Sustainable Development	Zhang Heng Kai, Ren Zhiwei, Liu Kuan
Second Prize	HKU	Tissue-like Liquid Robots Programmed by Phase Separation Enabled All-Aqueous Printing	Zhu Shi Pei, Zhang Yage
	HKU	Single-shot, synthetic polarization digital holographic microscope for under water microplastic detection	Zhu Yan Min
Thrid Prize	HKU	Durable Paper Fuel Cells with Instant Refueling Ability	Luo Shijing, Leong Kee Wah, Zhao Xiaolong
	HKU	Model Predictive Control Based Voltage and Frequency Regulation in Microgrids	Cheng Yau Chung
	HKU	Reusable nanofibrous membrane filters for environmental applications	Zhang Junwei, Lo Yan Tung, Zhou Shenghua, Long Li
Merit Award	CityU	Fog-Powered Green Generator	Yao Xiaoxue, Ling Chen, Wang Hongbo, Yi Minghui, Liang Weichang
	CityU	Artificial leaves : Photo-electrocatalytic conversion of solar fuel product	Li Xintong, Liu Yizhe, Fung Uing Lam Viona, Wan Ka Ming
	PolyU	Construction Noise Permit Application System Based on Geographic Information System and Noise Control Ordinance	Chiu Kai Yim, Wong Ho Lun, Lee Wing Sze, Lee Chantel Alexandra, Suen Lok Fai, Ivan Jasper Istanto, Kong Yiu Lun
	PolyU	Performance Analysis of Bifacial Solar PV module and its Application in Hong Kong	Hung Tak Lam, Lam Nico, Leung Chun Kuen

Information Technology

Award	Institution	Project Name	Name of Participant(s)
First Prize	HKUST	Deep Learning Technology for Dyslexia	Fung Ka Yan
Second Prize	HKU	Smart Workbench Lamp	Priyank Sharma
	PolyU	Intelligent driver health assessment system based on the optical fiber interferometer	Yu Jianxun, Chen Shuyang, Qu Jiaqi
Thrid Prize	CUHK	Face Untouchable	Tse Man Yan, Ng Tim Ying
	IVE-(Sha Tin)	AI Presentation Training System	Ma Yu Jun, Chan Yan Lung, Wong Long Kiu, Tsang Yui Chung
	IVE-(Sha Tin)	Storyland	Lam Wai Kit, Lee Ho Ming
Merit Award	CityU	Trends in IT Online Education	Hao Siyang , Huang Xinyu , Huang Ruini
	PolyU	Milky Assistant	Leung Yee Ting
	IVE-(Tuen Mun)	Customer Intelligence Analytics Platform (Smart Shop)	Yeung Man Kit Jacky, Yeung Yik Man, Yu Chi Wai
	IVE-(Sha Tin)	Smart Face Attendance System	Cheng Chi Kit, Lau Man Chun, Kwong Chun Him

Mathematics and Physics / Mechanics and Control Systems

Award	Institution	Project Name	Name of Participant(s)
First Prize	CUHK	Miniaturized robotic steerable surgical drill for confined space bone work	Wang Yan, Wang Xuchen, Lin Hongbin
Second Prize	CUHK	Automated Ultrasound Guided Needle Tip Tracing System	Yan Wanquan
	CityU	Hand-powered blood collector for point-of-care diagnosis	Feng Wai Yi Lothar, Chan Tsz Hong, Limarta Vincent Egan
Thrid Prize	CUHK	Versatile Soft Robotic Upper Limb Assistive Device for the Physically Challenged	Siu Shi Pan, Wong Chi Ka, Lee Tsz Yan, Wong Sin Yi, Cheung So Yee, Ng Pui Hin
	CUHK	A General Framework for Robotics Vision-based and Lidar-based Applications	Liu Kang Cheng
	CUHK	Robotics for Automatic Operations in Indoor Horticulture Farms	Su Man Ngo Rocco, Lau Chun Kit, Man Cheuk Ying Tiffany, Au Tsz Him Vincent
Merit Award	CUHK	Knee energy harvester with variable transmission from	Chan Hugo Hung Tin
	IVE-(Sha Tin)	Prolet	Ho Kar Man, Yeung Hoi Ki, Cheong Tsz On, Cheng Tsz Tsun, Chan Yuk Lin, Wong Yun Jing
	PolyU	Adopting VR and AR Technology to Minimize Human Casualty in Construction Site	Ho Ho Nam, Wong Kwong Sau

Life Sciences

Award	Institution	Project Name	Name of Participant(s)
First Prize	CUHK	A Novel Neutrophil-based Anticancer Immunotherapy: S3KO-TAN	Chung Jeff Yat Fai, Chan Max Kam Kwan
Second Prize	CUHK	Highly dynamic nanocomposite hydrogels self-assembled by metal ion-ligand coordination	Yuan Wei Hao, Yao Zhi, Lai Chun Him Nathanael, Guo Jia Xin, Tung Lok Him, Xu ShunXiang
	CityU	Aero-Hydroponic Agriculture System (AHAS)	Tang Chun Ki, Cheng Yuk Shing, Wong Tat Chee
Thrid Prize	CUHK	Age-Induced Deterioration of Neuro-Muscular Junction in Sarcopenia: Study on Gene Expression and Morphology	Ng Wing Fai Sofie
	HKU	Graphene Liquid Marbles Accelerate Osteogenic Maturation of Human Bone Marrow-derived Mesenchymal Stem Cell Spheroids	Zhang Yage
	HKU	Bioengineered Hair Follicle Model for Hair Follicle Regeneration and High- Throughput Drug Screening	Ou Wan Jing
Merit Award	CUHK	In Planta Gene Regulation by Nanotechnology	Lau Yolanda Fong Yung, Chiu Yee Ting
	CUHK	Virucidal, Reusable and Cost-Effective Respirator	Li Pak Hin
	HKUST	Approach to Assist Traditional Human Trial by Stem Cells Testing in Vaccine Development	Lau Wa Wai Veronica, Cheng Choi Tung, Lai Wing Hei
	Hong Kong Adventist College	A new nanoscale approach in weight loss treatment through browning-induced-thermogenesis with altering active ingredient bioavailability	Chan Kin Long, Lee Yan Ting, Mak Kin Shing, Chan Man Yau, Yip Man Shun, Wong Yi Lok, Wong Hung Tai, Wong Hoi Yin, Tong Ka Wai, Wong Wai Ho

Entrepreneurship

Entrepreneurship Proposal

Award	Institution	Project Name	Name of Participant(s)
First Prize	HKUST	Multifunctional Polyethylene NanoMembrane - GP Nano	Gu Qiao, Li Yuhe, Chen Kexin, Xiao Yicong
Second Prize	CityU	Genetic Portrait Platform	Qing Yu Hao, Li Rui Kang, Miao Xin Yao, Che Li Jia, Li Jing, Wang Xue Ying, Zhang Yuan Zheng, Zhou Si Yuan, Zhang Cai Bin, Li Jing, Pei Yu, Yang Shuo
	CityU	A Novel Energy Free and Environmentally Friendly Cooling Paint for Building Applications	Zhu Yihao, Lin Kaixin, Chen Siru
	PolyU	Electricity-free Smart Cooling Coating	Yang Ning, Fu Yang
Thrid Prize	HKU	InnoChat – An AI Speech Therapist	Cheung So Yee, Chan Lee Yan, Chu Wing Hang, Mak Lai Hang, Chan On Ying Angel, Dixit Tratik, Zou Xiang
	HKU	Time Bank for Greater Bay Area	Wu Zeyu, Jiang Wen, Zhou Chongjin, Feng Zechu
	HKUST	Herbioust	Lee Hin Lam, Choi Pui Ki, Tsang Cheuk Ying, Lo Suet Ching, Lo Sonia Wing Fung
	CityU	Researchain	Chen Ying Teng, Liao Yu-Ming
Merit Award	HKU	Genetic Testing-Based Intelligent Health Data Management	Chen Guolan, Justin Tubbs, Li Zixuan, Wan Hun Ang
	CUHK	Aimimi	Cheung Cheuk Nam Janson, Chan Wai Kit, Li Yan Lap, Choi Chun Lok, Kwok Chun Hei, Au Tsz Pok Terrence
	CityU	EMCORE PROTECTION -VENTIGUARD	Lee Hin Yee, Wong Ho Yee, Wong Yat Hei, Sit Chun Him, Dai Yongxin
	CityU	Probe -based Pathogen Detection End- System and Cloud Platform	Gong Zifan, Jiang Yiqi, Li Yinhu, Li Shiyong, Chen Yanjun, Li Zhiyuan, Qiu Wanting, Qu Yang, Feng Yi

Startup

Award	Institution	Project Name	Name of Participant(s)
First Prize	HKUST	Smart Temperature Screening Solution	Wong Kwan Long, Chin Jing Wei, Chong Kelly Yan Yee, Chan Tsz Tai Teric, Prof. So Hau Yue Richard
Second Prize	HKUST	ARGUS Notes	Li Chin, Yeung Wing Ching Vinnci, Wang Xinqi
	HKU	Invisible Acoustics Audio Furniture	Chan Kam Ho, Cheung Ngai Hang Henry, Lee Pak Yu Patrick
	HKBU	HONGKONG BAUHINIA TCM LIMITED	Tian Yuan Yang, Zhou Wu
Thrid Prize	HKU	SeniorDeli	Cheung Ka Wing, Chow Mei Yee
	CUHK	MG Medcare Magnesium Wound Dressing	Huang Le
	PolyU	Probiotics protected by Aerospace Material	Gu Yinlin, Yu Xuanjie, Chang Jinhui, Dr. Jin Yong
	PolyU	FJ005	Lee Max Jwo Lem, Ng Hoi Fung, Wen Weisong, Chan Wing Hei jasua, Hsu Li Ta
Merit Award	CUHK	Look4kol	Kwok Tsung Yeung, Chan Po Lam, Wong Kai Yin
	HKUST	TEE.AI- Bio-data coding &AI Learning Platfom Solution	Leung Kwan Cheung, Lam Ting Fai, LAM Alexander, Wong Wang Lik
	PolyU	APRINT- 3D PRINTING FOR STEM EDUCATION	Chui Cheuk Long,Kwong Hing Tim,Tang King Hung
	HKBU	Renew	Chu Yung Kit, Wu Hao Xin, Chan Hei Man

Social Enterprise / Culture & Creative Services

Award	Institution	Project Name	Name of Participant(s)
First Prize	HKU	Hollo Integrated Care Platform	Cameron Xavier van Breda, Ajit Krishna Namakkal Raghavendran, Jothi Saranya Prakash, Su Hyun Cho
Second Prize	HKU	Legal Access	Cho Natalie, Lung Chun Ngai Darren
	HKU	Time to Gold	Lee Yan Kwan, Yeung Ming Chu
	HKUST	Health Plus	Fung Kwong Chiu, Au Kam Hei, Mok Yim To, Chim Ho Yim, Tai Tsz Ho Jacky, Zhang Xin
Thrid Prize	HKU	Go!C9	Tseng Tsz Ching Winter, Ng Song Fang Janine
	HKUST	Never too late	Ng Sum Yin, Lai Nok Ching, Chan Yu Shan
	CityU	Snaildy Education	Law Wai Yip, Lau Lok Kin
	PolyU	Best Value	Ng Hoi Kam, Lam Pui Yi Yip Pui Sze, Ng Yim Hun, Pang Chee Tsun Marcus, Yue Karen Ashley
Merit Award	HKU	Ecolend	Li Kwok Wing, Hung Tsz Chiu Solomon
	HKU	Retro Classics	Hong Yuh Dong, Lam Ip Man, Li Yichen, Lam Hok Juan, Yang Woojeong, Yanshree
	HKU	Go Live	Wong On Yan, Luk Ngai Ming Maisie, Wong Hing Wai, Yang Mu Hua
	HKUST	BlesX	Li Hsin Huai, Yeung Wing Ching Vinnci, Lam Ching Long, Wong Pet Yang