

# The 10th Hong Kong University Student Innovation and Entrepreneurship Competition – Award List

<b>Outstanding Organization Award</b>	Hong Kong Polytechnic University
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## Innovation

<b>Grand Prize</b>	<b>HKU</b>	<b>Revealing the Nature of Dark Matter with Natures Cosmic Telescopes</b>	<b>Amruth Alfred</b>
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## Energy, Environmental and Chemical Engineering

Award	Institution	Project Name	Name of Participant(s)
First Prize	CityU	High Efficiency High Power Nanocrystalline Wireless Charging Technology with Intelligent Parameter Identification for Electric Vehicles	Yibo Wang, Xiaosheng Wang
Second Prize	CityU	Sustainable and Ecofriendly Recovery Technologies for Emerging Photovoltaic	WANG Ning, LIU Baoze, YU Zexin, Francesco VANIN
	HKUST	Innovative Batteries	CHEN Jiaying, HUANG Jun, LU Jingkun, LYU Wenxin, YANG Simin, LI Yang
Third Prize	HKU	Contact Electrification Between Immiscible liquids for Environmental Energy Harvesting	Zhang Ruotong, Au Yeung Christina Chi Ki, Jiang Tianshu
	CityU	One Step Synthesis of CeO <sub>2</sub> Nanozyme on Free Standing Porous Host to Combat Biofouling on Steel Surface	ZHAO CHAO, CHENG TIANQI, WU XINYU
	PolyU	High Efficient Printable Flexible Organic Photovoltaic	LU ZHEN, FU JIEHAO
Merit Prize	CityU	AI Assisted Passive Cooling System	LO Wai Kin, CHU Weiqi, GUO Aobo, Jason ALEXANDER, QUE Yue, KWEON Sanseong
	HKUST	Develop Faster Testing Methods and Advanced Battery Management Systems for Retired EV Batteries	Ma Sze Ching, Chan Cho Hon, Chan Shun Hong, Chan Yik Yu
	HKUST	High Efficiency Catalysis Green Hydrogen Peroxide Technology Innovator	Ho Wan Wing, Zhang Zemin, Zou Zelin, Zhang Zemin, Chen Xiyao, Zheng Junhua, Wen Qiling, Zhu Hengyu, Li Zhuowei
	HKBU	Deep View Mobile Inspection and Environmental Digital AI Supervision Service Project	Chendong Ma, Maohao Ran, Zhenglin Wan

## Information Technology

Award	Institution	Project Name	Name of Participant(s)
First Prize	HKUST	Coastal Underwater Evidence Search System with Surface Underwater Collaboration	BaoFangming, LIN Hin Wang, LEUNG Ka Chun, KUI KA YU, HU Wei Teng
Second Prize	EdUHK	AI Revolutionizes Strabismus Diagnosis	Ziyu He, Minyu Qiu
	PolyU	Cloud Nursing Wise Home BioRadarbased Smart Elderly Eco Service Platform for the Elderly	He Boyan, Xiang Muze, Qian Junbo, GuoBoyu, Wu Yuting
Third Prize	IVE (Sha Tin)	Audio Sense	Chan Ka Wing, Tsang Shun Tin, HO Cheuk Hin, HO Lok Yin
	PolyU	AIOFEYE	MA TIANFANG, CAI Zhiyuan, YU Lingfei, CHENG Pujin, LIN Li, Huang Jieming, SUN Shiwen, GUAN Kai, SUN Xiaofei, ZHANG Kun
	PolyU	Present AR	MA PO HIN, Wong Chik On
Merit Prize	IVE (Tuen Mun)	Beachbot	Lee Shing Chun, Wong Tsz Kin, Law Ka Kit, LI KA KI
	IVE (Sha Tin)	Improving Forward Head Posture Using Spatial Audio Technology	CHUEN Pak Him, KWOK Pui Nam, FU Ka Wang, YIP Cheuk Wing, HUNG Nga Wai
	PolyU	DeepAuthen	GUO Beichen, SUN Haoran, ZHANG Zhengyu
	HKMU	CantoLink	Tsang Tsz Yui, Lau Lok Lam, Ng Man Kwan

## Mathematics and Physics / Mechanics and Control Systems

Award	Institution	Project Name	Name of Participant(s)
First Prize	HKU	Revealing the Nature of Dark Matter with Natures Cosmic Telescopes	Amruth Alfred
Second Prize	CUHK	Head Mounted Hydraulic Robot with Optical Eoherence Tomography for Needle Intervention	FANG ZHIWEI
	HKUST	Recovering Building Information Model from 2D Drawings for MEP Systems of Ageing Buildings	PAN Zaolin
Third Prize	HKU	Direct Object Detection from Compressed Optical Measurement	Yaping Zhao
	CUHK	MagneticGuided Flexible Origami Robot toward LongTerm Phototherapy of H pylori in the Stomach	Yuan Sishen, Liu Qingyang, Liang Baijia
	PolyU	Safetyassured and Environmentally Friendly Unmanned Aerial Vehicles Enabled Building Window Cleaning System	Zhang Ziqi, Zhang Weijia, Ma Jiawei, Zhang Hanqi, Sheng Yu
Merit Prize	HKUST	CardioQuest VR The Heart Health Immersive Experience	LYU Wenxin, LI Yang, GOU Jie, CHEN Jiaying, YANG Simin, LU Jingkun
	PolyU	Lightweight Active Soft Back Exosuit for Construction Workers in Lifting Tasks	Ting LEI
	PolyU	Studies on High Steel Collision Protection Jacket for Irregular Concrete Piers	Hu Beiming, Zhang Yuanji, Zhang Rongguo

## Life Sciences

Award	Institution	Project Name	Name of Participant(s)
First Prize	CityU	Fast and sensitive Real Time Photonic PCR Assisted by Plasmonic Magnetic Nanoparticles	MI Hua, WU Xinyu, XIAO Zhanping
Second Prize	CUHK	Next generation Histopathology for 3D Tissue Imaging and Analysis	Yau Chun Ngo, Hung Tin Shing, Chow King Ngai
	CUHK	A Synbiotic Preparation for Alleviation of Long COVID Symptoms	Lau Raphaela Iris
Third Prize	HKU	A Novel Therapeutic Peptide Drug HTIP1 Targets to HAUS7 Dependent Cancers	CAI Ziqing, Dong Pingping
	CityU	A Flexible and Intelligent Pulse Sensor for Cardiovascular Diseases Monitoring	Huang Ke
	HKBU	The Sclerostin Aptamer for X Linked Hypophosphatemia was granted Orphan Drug Designation and Rare Pediatric Disease Designation by US FDA	TAO Xiaohui
Merit Prize	HKU	Vascular Network Inspired Fluidic System with Spatially Functionalizable Membranous Walls	YU Yafeng, FAN Xiaoxue
	CUHK	Therapeutic mRNA Vaccine for the Treatment of Epstein Barr Virus Associated Malignancies	Leung Hei Man
	CUHK	Photo-Responsive Phase Separating Fluorescent Molecules for Intracellular Protein Delivery	BAO Yishu, XU Zhiyi
	CUHK	Novel Cellular Glue to Build Tissues and Heal Irreparable Wounds	Lim En Ya, Chockle Cheung, Mak Chun Him, Cheuk Lun Cheng, Nicholas Nathan Hendrik

## Entrepreneurship

<b>Grand Prize</b>	<b>CityU</b>	<b>Naturally Derived Waterless Powder Form Cleaning and Disinfecting Refill</b>	<b>SHIH Jan Neil</b>
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## Entrepreneurship Proposal

Award	Institution	Project Name	Name of Participant(s)
First Prize	CUHK	Brightcurve Robotics	YAN Junyan, CHEN Jibiao, QIU Yufu
Second Prize	CityU	Zhang Yang Bioscience	SHEN Tongfei, Hung ka lok, YUE Kexin
	PolyU	Zhenpu Technology Guardians of the Elderlys Mind and Brain	Guo Boyu, Qian Junbo, Liu Peihan, Cao Yuqing, Liu Muyang, Liu Shuda, Liu Yukun, Chang Liyao, Wang Ya, LIU Qi Long, He Boyan, Liu Yiting, LIU Siyuan, Lei Jiayi, MEI Zihan, Zhang Yimai
	PolyU	SonoStroke Ultrasound Solution for Risk Assessments of stroke	LI Shuai, KANG Hongyu, WANG Xinyi
Third Prize	CityU	BlueComm	LU Yi, HOSSAIN Zarif Al, XU Chen, Yu Xinrui
	HKUST	Oil Man Robot	Dong Jiaqi, Wang Yuanyang, Wang Xiaodong
	PolyU	Advanced Ceramic Solutions Pioneering the Global Frontier in Wastewater Treatment	LIN Xiaorong, Yuan Jialu, Rong Meirong
	PolyU	Smart Firefighting Robot	ZHANG Xiaoning, HAN Xinyang, BI Jingyun
Merit Prize	CityU	Cloud Edge Integrated Smart Livestock Solution based on Next Generation Artificial Intelligence	Chuanyi GUO, Zheng HE, Li LYU, Zhaojin GUO, NIDHI Mahejabeen Hossain
	PolyU	Contrast Free MR Imaging Enhancement System	MA ZONGRUI, HUANG YU-HUA
	PolyU	A Vision Language Model Based Human Robot Symbiosis Smart Manufacturing System	WANG Tian, FAN Junming, Li Chengxi
	HKMU	Combing Digital Twin and Mixed Reality on Improving Building Inspection Training Quality and Process	CHEUNG Lok Yi, CHU Chi Kei, CHOW Si Yik, WONG Sin Yin, TAI Hiu Lok

## Startup

Award	Institution	Project Name	Name of Participant(s)
First Prize	HKUST	Fly X Creation Next Generation Intelligent Flight Teach	Lin Hin Wang, ZHANG Fan, WANG Pengyu, Yim Ying Hing, HU Suyang, LI Jialu, DU Xiawei
Second Prize	CUHK	Recycled Material Based Radiative Cooling Coating	CHAN Hoi Fung Ronaldo, CHOI Chun Ting, CHOI Chun Fan
	HKUST	Coalot Tech Limited	LAW Man Kwan, YANG Jinglei, LIU Xingrui, LIU HONGRUI
	PolyU	Generation Alpha Building Emergency System	WONG Ho Yin, WONG Ming Chi, Daniella ISSA, YEUNG Shu Yi
Third Prize	CUHK	Novel 3D Cell Culture and Implant Hydrogel Systems	YANG Zhinan, XU Xiayi, LI Zhuo, XIE Xian, ZHANG Kunyu
	CUHK	ColoMAG Magnet-assisted Colorectal Cancer Screening and Early Surgical Treatment System	Sun Yichong, Li Ming Ho, Ren Xuyang, Li Xiaochen, Chan Wai Shing, Geoffrey Liu, Dongming HAN , Fung Ho Chung
	PolyU	ioptiCrane	WANG Dong, LI Rongyan, CHAN Chun Hei, ZHAO Yunci
	HKMU	OxySkin Photosynthetic Polymer Artificial Skin	ZHANG YONGCHAO, Liu Tsam Yi, Ruoyao CHEN, Xiaolong Wang, Guanyi Wang, Zijian Wang
Merit Prize	CityU	High performance Copper Filter for Fast Virus Killing application	CHEN CHANG, HUANG Endai, ZHANG Sirui
	CityU	A TEC High-throughput Simulation Multifunctional film and Encapsulation product solutions	Wong Wai Ying Rachel Reese, Ke Lingyi, LEI Tingfeng
	HKUST	EC Flow System	YIP Jackson Ho So, CHENG Ka Ho, TONG Chun, ZENG Tian, CHONG Wing Nam Feronia, JIANG Kaiyin, CHAU Wang Yik
	PolyU	Smart Cooling Mask	FENG Qilong, WU Shitong, GU Yuheng

## Social Enterprise /Cultural & Creative Services

Award	Institution	Project Name	Name of Participant(s)
First Prize	CityU	Naturally Derived Waterless Powder Form Cleaning and Disinfecting Refill	SHIH Jan Neil
Second Prize	HKU	Use of Smartphone and Artificial Intelligence for Detection and Management of Gum Inflammation	Chau Chun Wang, Khaing Myat Thu, Chau Chun Yin
	CUHK	RISE	WONG YI WAI, Tse Wing Sum
	CityU	Canpanion	Tsui Yuen Ting, Ng Yuen Ying
Third Prize	HKU	TWIG: Transforming Waste Into Greatness	Lam Chun Ho Enrico, Chan Tsz Yung Frederick, Sit Hoi Lam, Tong Chun
	HKUST	Elevatefoods AI customized Food Printing Platform For Special Dietary Needs	Lee Kong Wai, Chan Yee Him Timothy, Xu Yang, Yuan Qiaoyaxiao Aidan, Poon Wing Yan
	HKUST	MetaGreenX	Wang Pak Hin, Ng Tsz Ching, Wong Wang Lik, Shi Yunhao, Chen Hor Yee, Chio Hio Tong
	LingU	MAKE NOISE Music Entertainment Service Platform	LIN Pengsheng, WANG Yue, TANG Rui, NG WING HEI, HUANG Xinyi
Merit Prize	CUHK	Digiverse	Wong Yi Ling, Cheung Yuk Yu, Cheng Sin Ying
	CUHK	See The Sound	MA Shuya, GUO Ning Xi, SUN Yao, Olivia Shang
	CityU	Ethnic Minority Career Planning Integrated System	Chain Hoi Shun
	PolyU	SmartAge CareExpress	Bi Jingyun, Yuan Ye, Shum Tsz Wai, Chen Nuo, Wang Kaiyuan