

Attachment: CityUHK's winning projects

Awards	Company Name	Inventors and Team members	Project
Special Prize and Gold Medal with Congratulations of the Jury	City University of Hong Kong	Prof. Stella W. PANG Prof. Shuyan ZHU Department of Electrical Engineering City University of Hong Kong	Design and Nanofabrication of Highly Sensitive Plasmonic Sensors for Biomedical Cell and Molecule Detection
	City University of Hong Kong	Prof. Way KUO Senior Fellow of Hong Kong Institute for Advanced Study, City University of Hong Kong Prof. Han-Lin LI Visiting Professor, Department of Computer Science City University of Hong Kong	Color Wheel System for Unifying Color Frames and Designing High-Rate LCD
Gold Medal with Congratulations of the Jury	City University of Hong Kong	Prof. Michael TSE Dr. Li DING Department of Electrical Engineering City University of Hong Kong	Negative Power Inductance: Game Changer for Electrical Systems
	Doctech HK Limited*	Prof. Shien-Ping FENG Dr. Yu-Ting HUANG Dr. Sheng-Jye CHERNG Dr. Chih-Chun CHUNG Dr. Kaiyu MU College of Engineering Department of Systems Engineering City University of Hong Kong	Nanotwinning-Assisted Structurally Stable and Metastable Copper for Advanced Electronic Packaging Applications
	City University of Hong Kong	Prof. Chi Hou CHAN Prof. Gengbo WU State Key Laboratory of Terahertz and Millimeter Waves City University of Hong Kong Prof. Junyan DAI Southeast University	Space-Time-Coding Metasurfaces for 6G Communications

	City University of Hong Kong*	Prof. Derrick C.Q. JIANG Mr. Y.B. WANG Mr. C. CHEN Mr. X.S. WANG Mr. J.C. XIANG Dr. J.Y. ZHOU Prof. T. LONG Department of Electrical Engineering City University of Hong Kong	Next-Generation High-Power Nanocrystalline Smart Wireless EV Charger
	City University of Hong Kong*	Prof. ZHU Zonglong Mr. ZHANG Chunlei Mr. GONG Jianqiu Mr. LI Shuai Mr. QIAN Liangchen Mr. YU Zexin Dr. GAO Danpeng Mr. WANG Ning Department of Chemistry City University of Hong Kong	Light-Weight Flexible Perovskite Solar Cells with High Efficiency and Stability
	City University of Hong Kong	Prof. CHUNG Shu Hung Henry Mr. WEI Zhengqi Dr. LAU Wing Hong Dr. CHENG Chun Sing Mr. LIU Chun For Department of Electrical Engineering City University of Hong Kong	Autonomous Energy Routing and Redistribution Technology for Large-Scale Battery Storage Systems with Health Monitoring Capabilities
Gold Medal	City University of Hong Kong	Prof. Derrick C.Q. JIANG Mr. MA Tianlu Miss GENG Jiayi Mr. REN Sheng Dr. MO Liping Dr. GUO Weisheng Dr. FAN Yuanshuang Department of Electrical Engineering City University of Hong Kong	Multi-Site Integrated Power Converters for DC Distribution Networks of Data Centers
	Wearable Intelligent Sensing	Prof. Yuanting ZHANG	Tonoarteriography-Based Closed-Loop Drug Delivery Device for the

	Technologies Limited*, InnoHK (COCHE)	The Chinese University of Hong Kong Ms. Ting XIANG Department of Biomedical Engineering City University of Hong Kong Hong Kong Centre for Cerebro-cardiovascular Health Engineering Dr. Nan JI Hong Kong Centre for Cerebro-cardiovascular Health Engineering	Monitoring and Therapy of Hypertension
	Micro Sensing and Imaging Technologies Limited*, InnoHK (COCHE)	Prof. Yuanting ZHANG The Chinese University of Hong Kong Ms. Zijun LIU Mr. Rushuang ZHOU Department of Biomedical Engineering City University of Hong Kong Hong Kong Centre for Cerebro-cardiovascular Health Engineering	Multispectral Tonoarteriography Imaging Device and Method
	S3Tough Tech Co. Limited*, City University of Hong Kong	Prof. HU Jinlian Mr. SU Yupei Department of Biomedical Engineering City University of Hong Kong Dr. JIANG Yuanzhang Mr. WANG Zhuang S3Tough Tech Co. Limited	Super-Tough Artificial Spider Silk
	City University of Hong Kong	Prof. Mu Ku CHEN Prof. Din Ping TSAI Department of Electrical Engineering City University of Hong Kong	Bionic Achromatic Meta-Lens Array
	HairCoSys Limited*	Prof. KWONG Tak Wu Sam Lingnan University	HairCoSys: AI-Powered System for Determining Hair Thickness

		Dr. LI Chongyi Mr. Michael WONG Founder & CEO, Mr. Jack Chau Mr. Ricky Chan Team member HairCoSys Limited	and Counting Follicles Using Trichoscopy Images
	GOOLAB TECHNOLOGY COMPANY LIMITED*	Prof. Sze Ki Carol LIN Mr. Tsz Him KWAN Mr. Yiu Heng MING School of Energy and Environment City University of Hong Kong Ms. Susanna WONG Founder, Goolab Technology Company Limited	Non-sugar Sweetener Derived from Beehive Waste
	City University of Hong Kong	Prof. Leo Lai CHAN Mr. Jeffery Tzu Hao CHUNG Dr. Xian QIN Dr. Jiajun WU State Key Laboratory of Marine Pollution City University of Hong Kong	Nearshore Benthic Habitat Mapping and Assessment Technique
	City University of Hong Kong	Prof. Jian LU Dr. Zhengyi MAO Dr. Junda SHEN Dr. Yunhu HE Mr. Yicheng HAN Dr. Zhaowenbo CAO Department of Mechanical Engineering City University of Hong Kong	SolarWave Elixir: A Sustainable Solution for Energy-water Cogeneration
	City University of Hong Kong	Prof. LU Jian Dr. GU Jialun Miss LI Lanxi Miss JIANG Jiali Department of Mechanical Engineering City University of Hong Kong	A New Class of Turing Nanocatalysts for Low-cost and Large-Scale Hydrogen Production by Water Splitting

Silver Medal	City University of Hong Kong	Prof. LY Thuc Hue Mr. Haijun LIU Dr. Quoc Huy THI Department of Chemistry City University of Hong Kong	Ice Transfer for 2D Materials and Ultra-Clean Semiconductor Device Manufacture
	Vista Innotech Ltd*	Dr. Lin Chi MAK Chief Executive Officer & Founder	Three-Axis Micro Gimbal Stabilizer
	City University of Hong Kong	Prof. LI, Lishuai Dr. Xinting ZHU Mr. ZHAO Weizun Mr. CHARRUAUD Florent Mr. Yongchao YE Mr. Shuchang LI School of Data Science City University of Hong Kong	ClusterAD: Method of Presenting Aircraft Flight Data and Associated Graphical User Interface
	City University of Hong Kong, ITsci Company Limited*	Prof. Condon LAU Department of Physics Prof. Xinyue LI School of Data Science Prof. Fraser HILL Director of CityU Veterinary Diagnostic Laboratory Dr. Irfan AHMED Department of Physics Mr. Wei ZHANG School of Data Science City University of Hong Kong	AI-Powered Virtual Immunocytochemistry for Rapid and Robust Fine Needle Aspiration Biopsy Diagnosis
	City University of Hong Kong	Prof. WANG Cheng Mr. FENG Hanke Mr. GE Tong Mr. GUO Xiaoqing Prof. YUAN Yixuan Department of Electrical Engineering City University of Hong Kong	Integrated Lithium Niobate Microwave Photonic Processing Engine
	SmartSkyBuilder*	Prof. LI Lishuai (PI) Dr. HE Xinyu Mr. HE Fang Dr. ZHANG Lei School of Data Science City University of Hong Kong	CitySkyPlan: AI Algorithms for Drone Delivery Routes and Traffic Management

	City University of Hong Kong, NerOcean Limited*	<p>Prof. KO Chi Chiu Vincent Prof. LEUNG Mei Yee Kenneth Dr. YANG Yi Yvonne Prof. YU Kwan Ngok Peter Department of Chemistry State Key Laboratory of Marine Pollution City University of Hong Kong</p> <p>Prof. LAU Tai Chu Emeritus Professor of Department of Chemistry City University of Hong Kong</p> <p>Prof. WU Shiu Sun Rudolf Department of Science and Environmental Studies The Education University of Hong Kong</p> <p>Dr. NG Chi On Ron CEO, NerOcean Limited</p>	Artificial Mussels: New Universal Tool for Monitoring Heavy Metals and Radionuclides in Aquatic Environments
	City University of Hong Kong	<p>Prof. Johnny HO Dr. YIN Di Dr. CHEN Dong Dr. QUAN Quan Department of Materials Science and Engineering City University of Hong Kong</p>	Smart Electrocatalytic System for Sensing and Recycling Nitrogen Fertilizers from Nitrate-Rich Wastewater
	City University of Hong Kong	<p>Prof. Linqi SONG Mr. Sichun LUO Dr. LI Yinqiao Department of Computer Science City University of Hong Kong</p>	Training and/or Operating Graph Neural Network-Based Recommendation System
	City University of Hong Kong	<p>Prof. Linqi SONG Mr. Sichun LUO Dr. LI Yinqiao Department of Computer Science</p>	Federated Recommendation System, Device, and Method

		City University of Hong Kong	
	City University of Hong Kong, InnoHK (CIMDA)	Mr. Dongjie YE Ms. Yue LIU Mr. Fuzhao OU Prof. Zhangkai NI Prof. Shiqi WANG Department of Computer Science City University of Hong Kong Prof. KWONG Tak Wu Sam Lingnan University	AI-based Adaptive Visual Content Enhancement
Bronze Medal	City University of Hong Kong*	Prof. TU King-Ning Prof. LIU Yingxia Dr. CHEN Chang Department of Materials Science and Engineering Department of Systems Engineering City University of Hong Kong	Thermomigration Creep for Enhanced Cu–Cu Direct Bonding
	City University of Hong Kong	Prof. Zhenpin LU Mr. Haokun LI Department of Chemistry City University of Hong Kong	Organoboron Compound Useful as a Two-Electron-Reducing Reagent and a Method of Making the Same
	SeaNet Cable Planning and Design Company Limited*, InnoHK (CIMDA)	Prof. Moshe ZUKERMAN Prof. Yu WANG Prof. Yanni SUN Prof. William MORAN Dr. Zengfu WANG Prof. Gang WANG Prof. Jun GUO Prof. Felipe CUCKER Dr. Xinyu WANG Dr. Chao GUO Dr. Tianjiao WANG Dr. Eli TAHCHI Dr. Qing WANG Mr. C. F. LEUNG College of Engineering City University of Hong Kong	Submarine Cable Path Planning and System Design

	City University of Hong Kong, InnoHK (CIMDA)	Prof. Hong YAN Ms. Gloria M. W. LEE Mr. Jonathan S. H. WONG Mr. Eric K. H. MAN Dr. Henry W. C. WONG Dr. Zhe WANG Mr. Zhengwei WANG Prof. Andy H. P. CHAN Centre for Intelligent Multidimensional Data Analysis City University of Hong Kong	Simultaneous Large Class Assessment for Sports Activities
	City University of Hong Kong	Dr. PHAM Quynh Hoa Prof. LAU Chi Kong Terrence Prof. BAN Kiwon Dr. BUI Thi Van Anh Department of Biomedical Sciences City University of Hong Kong	EcN_TL: Engineered E. coli Probiotic Formula for Oral Administration

(*) The award-winning teams under HK Tech 300, CityUHK's large-scale flagship innovation and entrepreneurship programme

Collaborative project through participation in the competition by The Hong Kong Polytechnic University

Gold Medal	City University of Hong Kong, The Hong Kong Polytechnic University #	Dr CHUA Song Lin Dr LIU Yang Sylvia Department of Applied Biology and Chemical Technology; Co-founder, Microfish Limited (a PolyU academic-led startup) The Hong Kong Polytechnic University Dr KHOO Bee Luan Department of Biomedical Engineering City University of Hong Kong	MicroFish: A Lab-on-a-chip for On-site Detection of Microbial Contamination and Pollutants
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(#) The invention is jointly developed by CityUHK and PolyU.