

# 2024 International Innovation & Invention Competition Gold Medal Award List

## 2024 IIIC Gold Medal Award List 金牌得獎名單

SID	Country	Inventor	Organization	Invention
296975	台灣	Kuang-Hway Yih, Hsiao-Fen Wang, Hui-Yu Hu, Shang-Hsuan Yang, Hsiang-ming Hsueh	弘光科技大學/軒郁國際股份有限公司	The first patented natural plant sunscreen complex essential oil
297010	台灣	Hsiao-Fen Wang, Kuang-Hway Yih, Hui-Yu Hu, Shang-Hsuan Yang, Hsiang-ming Hsueh	弘光科技大學/軒郁國際股份有限公司	A natural plant whitening compound essential oil product that effectively fades spots and melanin
297124	台灣	CHEN YU-LUNG, LIN I-MIN, LIN MING-WANG, LIU PO-WEI, CHANG WEI-CHING	東豐纖維企業股份有限公司	Smart manufacturing contributes to carbon emissions management in the textile industry
300230	台灣	Chung-Wen Kuo, Tzi-Yi Wu, Ruo-Yu Wang, Zi-Hao Lin, Ke-Hong Chen, Zhuan-Min You	國立高雄科技大學	Synthesis of CoNxSyC-rGO composites as cathode catalysts for anion -exchange membrane fuel cells
304422	台灣	CHING PING WU, YI HAN LIN, CHIH YUN KANG, YU LING PAN	三軍總醫院附設民眾診療服務處	URINE COLOR IDENTIFICATION DEVICE
304423	台灣	Shih-Yuan Hung, Chin-Hsin Lai, Chih-Yun Kang, Yu-Ling Pan	三軍總醫院附設民眾診療服務處	Urine Bag Transfer Device
304712	台灣	Pei-Hsuan Lee, Chen-Hui Chen, Pao-Chuan Hsieh, Way Long	國立屏東科技大學	HYDROPONIC PLANT CULTIVATION DEVICE
305225	台灣	HSIU-JUNG CHOU, RU-FENG SHEN, JIA-HONG HUANG, TING-YING CHU, WANG-HONG LIN, TING-YA YANG	正修科技大學	SYSTEM FOR AQUARIUM HEATER INTEGRATED WITH FILTER
305226	台灣	HSIU-JUNG CHOU, JIA-HONG HUANG, TING-YING CHU, HONG-LIN WANG, YOU-CI ZENG, MING-FENG ZHANG	正修科技大學	SHAMPOO CHAIR WITH INTEGRATED MANICURE UV LIGHT
305468	台灣	Tung-Sheng Zhan, Geng-Yu Lin, Chia-Hung Lin	國立高雄科技大學	Design and Implementation of Two-axis Solar Tracking System

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306401	台灣	Tung-Yi Lin, Hung-Chih Lo, Tzu-En Lin, Yu-Chen Chen, Wei-Hao Wang, Pei-Hsien Tsai	國立陽明交通大學	WSG-loaded dissolvable microneedle patch inhibits melanoma cell growth and mobility via targeting TGF $\beta$ receptor-mediated Snail and Twist pathways
306757	台灣	Tung-Yi Lin, Hsin Yeh, Zhi-Hu Lin, Chung-Hua Hsu, Shu-Ling Fu, Yueh-Hsin Ping	國立陽明交通大學	Jing Guan Fang, a Traditional Herbal Formula, Shows Dual Functions For Preventing SARS-CoV-2 Infection and Ameliorating Inflammation
306809	台灣	Ming-Ling Lee, Dang-Nhut Hao, Nguyen-Dang Quoc-Hoi, You-Bin Lin, Jun-Long Deng, Yih-Shing Lee	明新科技大學	Hafnium-doped zirconia sensing film with 3D nanostructure for biomedical sensor application
307083	台灣	Ting-Yu Huang, Yu-Hsun Nien	國立雲林科技大學	WO3/TiO2 Photocatalyst and Its Application for Photodegradation by Visible Light
307178	台灣	Jhih-Wei Zeng, Yu-Hsun Nien, Jung-Chuan Chou, Chih-Hsien Lai, Po-Hui Yang, Po-Yu Kuo	國立雲林科技大學	Using g-C3N4-ZnS/TiO2 Nanofibers to Modify Photoanode in Dye-Sensitized Solar Cells and Their Photovoltaic Performance under Low-illumination.
307182	台灣	Kevin Kuan-Shun Chiu, Jiun-Wei Ou, Juan-Yi Lee, You-Ming Cheng, Bing-Hong Wang, Wu-Kang Tsou	龍華科技大學	A Co-Axial Mechanism for R/C Airplanes.
307233	Malaysia	Sui Lai Khoo, Nadzirah Zainordin	UCSI University	CSF eTendering Implementation Model enhancing the Success of Construction Projects
307245	台灣	Min-Chie Chiu, Yi-Hsuan Su, Po-Lin Fang	大同大學	Rotary Hydropower Buoy Generation Device
307287	台灣	LI JIA-CHENG, FENG BO-KAI, CHENG YIN-CHIEN	天主教光仁學校財團法人新北市光仁高級中學	An Improved Exercise Device Using Power Generation Instead of Springs

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307372	台灣	CHENG-EN LIU, CHENG-LUNG LEE	其陽科技	Intelligent CDU Controller for Sustainable and Efficient Data Center Cooling Using AI and Advanced Optimization Techniques
307395	台灣	Yuan-Ho Chen, Wen-Hui Chen, Xiao-Chun Wang, Su-Ying Chang, Yao-Yi Chang, Yi-Xin Luo	龍華科技大學	The Teeth-Brushing Teaching Demonstration and Monitoring Mirror
307398	台灣	Yuan-Ho Chen, Yu-Hua Xue, Jia-Wen Xu, Yi-Tzu Chao, Shao-Bin Lin	龍華科技大學	Improving the functions of credit card with recording and calculation balances
307400	台灣	Ming-Ying Wu, Hsi-Chao Chen, Kun-Hong Chen, Szu-Hui Lee, You-Quan Zhang	國立雲林科技大學	Phase shift interferometry and Mohr circle method for measuring anisotropic stress in wide bandgap semiconductor films
307409	台灣	Po-Yu Kuo, Jung-Chuan Chou, Chi-Han Liao, Ming-Tai Hsu, Wei-Shun Chen, Jyun-Ming Huang	國立雲林科技大學	Potentiometric Glucose Concentration Sensor
307424	台灣	Min-Chie Chiu, Ming-Guo Her, Hao-Cheng Du, Yi-Fan Chen, Ching-Han Lin	大同大學	AI-Aided Indoor Smart Water Treatment and High-Density Aquaculture and Plant Co-Cultivation IoT System
307500	台灣	Chen Chin-Chu, Li I-Chen, Li Tsung-Ju, Lu Ting-Yu, Chen Yen-Po	葡萄王生技股份有限公司	The Ameliorative Effect of Phellinus linteus mycelium on Muscle Atrophy
307504	台灣	Chen Chin-Chu, Chen Yen-Lien, Lin Shan, Yang Bi-Hua, Chen Yen-Po, Lin Ming-Yi	葡萄王生技股份有限公司	Cultivating fungal protein using seawater to reduce carbon emissions.
307559	台灣	Chen Chin-Chu, Hsu Jui-Hsia, Fu Hsin-I, Lee-Sar Sheng	葡萄王生技股份有限公司	Use of Cordyceps cicadae active substance for improving visual acuity
307561	CHINA	Jian-Hui Li, Shinn-Dar Wu, Zhan Liu, Jun-Sheng Yu, Zhi-Guo Li, Man-Ni Zhou	Foshan Polytechnic	Green energy sustainable ecosystem based on multi-node linked industrial Internet

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307667	台灣	Gwo-Ching Liao, Bo-Tong Liao, You-Quan Zhou, Chin-An Liu, Meng-Ting Jheng, Sheng-Lung Lin	龍華科技大學	Application of novel deep Q-learning quantum convolutional neural network method to solve the unit commitment problem containing wind power and low carbon emissions
307700	台灣	Wu Yi-Chang, Chen Jun-Rong, Huang Yan-Wei, Xie Zong-Ying, Tu Yi-Jun, Chang Jun-Yi	國立雲林科技大學	A Modular Two-Input Power-Assisted Device for Bicycles
307785	台灣	CHUNG-CHYI CHOU, WEI-CHUAN WANG, CHU-CHUNG SHANG KUAN, PO-WEI WANG, SUNG-MIN HSU, YI-ZHEN CHEN	大葉大學	Intelligent Risk Prevention, Diagnostic, and Greenhouse Gas Management Support System for Industrial Plants
307934	台灣	Chih-Hou Chen, Chih-Jie Chen, Heng-Bin Xu, Bao-Cheng Peng, Guan-Qi Chen, Ren-Jie Gao	空軍航空技術學院	Bio-inspired lattice structure improvement for unmanned aerial vehicle structural design.
307976	台灣	CHANG HSU MING, LI MING ZHANG, WU PEI HSIU, KANG YU LING	台鋼科技大學	A GUIDE STICK WITH LIGHT AND SOUND FUNCTIONS
307978	台灣	Yong-Hong Lin	國立屏東科技大學	Bark-added processed products and its manufacturing methods
308063	台灣	Yu-Ping Wang, Yu-Hsun Nien, Xin-Yu Su	國立雲林科技大學	Preparation of Nanofibrous Membranes Containing Carbon Dots Composited with TiO <sub>2</sub> Photocatalyst and Their Removal Rate of Methylene Blue under Visible Light
308099	台灣	Yeu-Wen Chen	集光環能開發有限公司	Solar Tracking Device

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308114	台灣	Dong-Yu Hsu, En-Zhu Lyu, Yu-Xiang Huang, Chen-Chia Chang, Shih-Hua Ni, Ting-Wei Wang	國立清華大學	Fully Wearable, Wireless, Flexible Coil-based Electronic Patch Sensor for Seamless Human Body Integration and Contactless Health Monitoring
308115	台灣	Shih-Hua Ni, Dong-Yu Hsu, Chiu-Yun Huang, Ding-Nan Lai, Ting-Wei Wang	國立清華大學	Ring-Type Biomedical Eddy Current Sensor for Continuous Blood Pressure Monitoring
308117	台灣	Chiu-Yun Huang, Yen-Ling Sung, Shih-Hua Ni, Ting-Wei Wang	國立清華大學	A Skin-Tone Insensitive, Fully Integrated Smartwatch for Continuous Blood Pressure Measurement
308251	台灣	Cheng-Ling Ying, Guor-Wei Weng, Yan-Syu Chen, Jikg-Kai Ciu, Bo-Ru Lu	景文科技大學	Construct a set of innovative and practical visible light indoor positioning system.
308319	台灣	YI-RU GUO, JIA-AN KE, YA-JANE CHAUNG	長庚科技大學	Homemade Intergenerational Educational Picture Books and Teaching Aids
308321	台灣	Yi-Liang Huang, I-Yu Wang, Ming-Chuan Hung, Ting-Yun Tsai, Yu-Huan Jhu, Siang-Yun Du	中華醫事科技大學	Super Backpack For Baby Care
308339	台灣	Cheng-Chung Jaing, Chao-Te Lee, Thi Hong Ngoc Nguyen, Yu-Wei Chen, Tan Dat Le	明新科技大學	A method for determining thin film optical constants and thickness ranges using machine learning
308501	台灣	Yu-Li Wang, Hsin-Yueh Su, Chao-Min Cheng, Kuei-Chen Lee	國立清華大學/國軍花蓮總醫院	Improving the Accuracy of Lumbar Oblique X-ray Imaging Using Positioning Auxiliary Device
308520	台灣	CHIN-LUN LAI, YU-LUN HSIAO, ZHENG-YING LI	亞東科技大學	Game Recommendation System and Its Recommendation Method

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308526	台灣	YU-MEI CHANG, CHIN-LUN LAI, YU KAO, YU-LUN HSIAO	亞東科技大學	Ventricular drainage device and monitoring module
308527	台灣	Tsai-Hsiu Yang, Chia-Chyuan Liu, Wen-Yueh Ho, Hsin-Yu Liang	嘉南藥理大學	Application and development of the “Carnitine” ionic liquids Cosmetics
308529	台灣	Yu-Wei Chen, Chih-Hsien Lai, Jung-Chuan Chou, Po-Hui Yang, Po-Yu Kuo, Yu-Hsun Nien	國立雲林科技大學	Potentiometric Acetylcholine Biosensor Based on Molybdenum Trioxide Film Modified Tungsten Trioxide Nanoparticles and Dual-Enzyme
308530	台灣	CHIN-LUN LAI, TING-JUN LIN, ZHENG-YING LI, YING-LING CHEN	亞東科技大學	Virtual Training System and Its Training Method
308536	台灣	CHIN-LUN LAI, JIAN-LIANG LIU, TING-JUN LIN, ZHENG-YING LI, YU-LUN HSIAO, YU KAO	亞東科技大學	Virtual Reality Collaboration System and Auxiliary Method Thereof
308544	台灣	Po-Hui Yang, Yuan-Hong Chen, Jung-Chuan Chou, Yu-Hsun Nien, Chih-Hsien Lai, Po-Yu Kuo	國立雲林科技大學	Amperometric Non-Enzymatic Magnesium Oxide Thin Film for Ascorbic Acid Detection
308549	台灣	Kung-Pin Chiu, Kui-Hao Chuang, Kun-Sen Chang, Yu-Jie Lian	國立聯合大學	Innovative pilot plant creating a new era of total recycling hazardous garbage (MSW) incineration fly ash
308712	台灣	Chih-Hsien Lai, Guan-Zhang Lin, Jung-Chuan Chou, Po-Hui Yang, Yu-Hsun Nien, Po-Yu Kuo	國立雲林科技大學	Hydrogen Ion Sensor with Phosphorene-Modified Sputtered Zinc Oxide Film

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308734	台灣	YING-JHEN CHEN, EN-YU LIN, TZU-YI CHEN, YU-PAI HUNG, SHU-HSIEN WU, XU-XIANG LIU	康寧學校財團法人 康寧大學	Versatile Sunshade
308754	台灣	Hsiao-Pin Lee, Hsiu-O Kao, Mei-Fang Liu, Chiang-Yi Chen, Chin-Hsing Pan, Min-Lun Hung	台灣大學醫學院附設醫院	Smart Safety Commode Chair
308757	台灣	Chun-Pin Chang, Xiao-Zhen Huang, Hong-Rui Wei, Hung-Wei Chang	嘉南藥理大學	Intelligence Symbiotic Water Cycling System
308768	台灣	Chia-Te Liao, Zhe-Kai Yang, Hua-Ming Chen, Ying-Yu Liao, Wei-Lung Wu, Yu-Rui Chen	空軍航空技術學院	A planar array antenna design for integrating vehicular networks and 6G communications
308848	台灣	Ming-Sen Hu, Yun-Ru Lee, Chia-Yi Tsai	空軍航空技術學院	Supersonic Shock Wave Soil-Loosening Device That Can Improve the Aeration of Crop Root Zone
308907	台灣	CHENG MENG-SONG	禾平科技股份有限公司	Using pyroelectric and quantum effect technology to achieve high fuel efficiency, energy saving and carbon reduction
308913	台灣	Tzi-Yi Wu, Jhu Jheng, Si-Jie Li, Jing-Jie Zhan, I-Han Kuo, Jun-Jie Ye	國立雲林科技大學	Preparation of high stability, high color contrast electrochromic smart windows using a copolymer of bithiophene-pyrrole and benzimidazole
308966	台灣	Yow-Chyi Liu	台鋼科技大學	Hybrid electric and natural gas energy storage systems
308995	台灣	KUAN-PIN CHEN, CHEN-HAN SUNG, CI-HUI JI, ZI-YUN HUANG, YU-QIAO YE	馬偕學校財團法人 馬偕醫護管理專科學校	Multifunctional Creative Body Massage

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309022	台灣	Chuan-Chou Tu, Yu-Ting Hsiao, Yung-Jung Huang, Bi-Ling Dai, Yi-Ching Chen, Yeh-Chun Ting	員榮醫院/大葉大學/大同國中	AI Home Hospice Care System
309137	台灣	Jia-Hroung Wu, Po-Yen Lai, Wun-Ming Chen	修平科技大學	Development of power generation device for unpowered cart
309152	台灣	Ming-Huseh Wu, Wen-Jye Liou, Li-Yan Luo, Wun-Cheng Chen, Zhi-Han Lin, Zi-Huan Wei	修平科技大學	ESG Sustainability Management System for SMEs: IoT-Integrated Smart Manufacturing and Carbon Emission Optimization
309167	台灣	Chia-Chyuan Liu, Tsai-Hsiu Yang, Kuen-Lin Leu, Ting-Yu Su, Yu-Ju Lin	嘉南藥理大學	Development and application of whitening essence in the invasive plant "Jamaican cherry "
309283	台灣	JIA-YU CAI, CHANG-YAN LEI, DING-XUAN WU, CHIAO-CHEN HUANG, YUNG-CHENG LIN, CHIA-EN HSU	康寧學校財團法人 康寧大學	Noise-reducing autonomous drone for nighttime mosquito hunting
309342	Malaysia	Fan Siang Peng, Ts. Sr Khoo Sui Lai, Asst. Professor Ts. Sr Dr. Nadzirah Hj. Zainordin	UCSI University	Integration of sustainable smart building systems in klang valley
309368	台灣	Chun-Wei Tsai, Xin-Yuan Huang, Shiuan-Jui Huang, De-Xuan Lu, Shiu-Jen Chen, Ching-Hui Tsai	康寧學校財團法人 大學	Four-senses medicine box, healing with every dose.
309369	台灣	YAU-YU HSU, YON-GWEN YIN, SH-PENG HO, SHENG-KAI YE, YU-ZHE LI, MAO-HUNG CHEN	龍華科技大學	Step Elliptical Sphere-Core Drill



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309409	台灣	CHEN-WEI CHANG, AN-YI HSU, CHAO-YANG HSU, HSIU-YI CHIH, YU-EN LIN, LIN-CHUAN WU	中華大學	ChairTable Pack
309442	台灣	Shiou-Min Chen, Yu-Ting Su, Han-Lin Hsiung, Pei-Kuo Hu, Chung-Yung Tu	康寧大學	Health Tech Innovations: Far Infrared Detection Guardian
309472	台灣	Pei-Ru Wang, Zhi-Yao Zhong, Wei-Jen Hung, Wan-Ting Guo, Yu-Cheng Hsiao	建國科技大學	The Interactive disaster prevention learning aids for the elderly.
309541	台灣	YIH-RAN SHEU, JEEN-MIN LING, YAN-XIANG FANG, CHONG-ZHI LIN, ZHI-LIN FANG, PIN-RUI LIN	南臺科技大學	A directional audio broadcast device based on synchronous playback of multimedia.
309545	台灣	LIEN YU-CHIEN, TSENG TENG-HUI, TSAI YI-HSUAN, SU YEN-AN, SU PO-YUAN, SU HUA-LAN	亞東科技大學	Rehabilitation Game System and Its Game Balance Method
309603	台灣	JIANG LI-YANG, CHEN XING-JUN, LIN WEI-YU, JIANG MIN-EN, CHEN BO-AN, HUANG MEI-HUEI	衛生福利部臺北醫院	Reducing Surgical Anxiety Through Multi-Sensory Stimulation
309612	台灣	Rong-Wang Hsu, Yue-Yun Lu	吳鳳科技大學	Crutches devices and crutch mechanisms
309616	台灣	Kuo-Yuan Wu, I-Chun Wu, I-Lin Wu, I-Hsien Wu	春鼎機械工業股份有限公司	Design and Fabrication of Innovative and Low-power Roots Blower
309633	台灣	Hung-Te Shu	豐漁水產養殖有限公司	Intelligent and automatic unmanned feeding boat
309680	台灣	Yuan-Hse Chang	和旺昌噴霧股份有限公司	Design and Fabrication of Innovative Clamp on Ultrasonic Flowmeter

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309697	台灣	Cheng-Han Lin, Nan-Yu Cheng, Tsai-Hsuan Lee, Yu-Wei Hsu, Yi-Yun Zhan, Yi-Wen Ma	輔英科技大學	Intelligent Anatomy Treadmill APP
309713	台灣	David Lu	彥豐實業有限公司	Future Transportation System
309747	台灣	PAO-CHI CHEN, ZHONG-YI LIN, YANG CHEN, KAI-HUA ZHANG, YI-WEI CHIU	龍華科技大學	Research on screening of protective agents for aluminum replacement of copper
309748	台灣	SHOU-HSI FU, YU-RU JHUANG, YI-TSEN PAN, YI-ZHEN CHEN, TING-YI JEN, YI-HUA CAI	樹德科技大學	The Treasure Hunt of Celt
309749	台灣	Miao-Ching Chi, Chia-Yu Liu, Ru-Ping Tsai, Yen-Ling Lu, Ting-Yi Lee	長庚科技大學	Medicine grinding device
309752	台灣	Fa-Shian Chang, Jing-Zhe Yan, Yi-Cheng Tsai, Jun-Xian Wu, Wei-Cheng Tseng, Shang-Chi Su	正修科技大學	Large-scale pipeline multi-function robot
309763	台灣	Bi-Ling Dai, Chun-Fei Hu, Yung-Jung Huang, Zi-Ning Luo, Yi-Ching Chen	大葉大學/ 植寧寵物芳療美容作坊/ 台灣寵物長照安寧關懷協會	Extract Dried Tangerine Peel, Toon, Mint, Rosemary, and Lavender to Improve Ulcerative Tumors and Odor in Doggies
309765	台灣	Fa-Shian Chang, Jing-Zhe Yan, Yi-Cheng Tsai, Jun-Xian Wu, Heng-An Huang, Shang-Chi Su	正修科技大學	ULTRASONIC THICKNESS MEASURING DEVICE APPLIED
309780	台灣	Ming-Cheng Kao, Chang-Yen Hsieh, Chih-Chieh Lin, Yu-Chuan Shen, Mahesh	朝陽科技大學	Low-power non-volatile ferroelectric composite memory

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309790	台灣	YIH-RAN SHEU, JEEN-MIN LING, ZONG-HAN WU, YUN-KUAN ZHUANG	南臺科技大學	Customized Cultivation and Control Method for Mushrooms
309825	台灣	Wen-Cheng Lai, Jia-En Huang, Jun-Xiang Tung, Yu-Ting Wei	明志科技大學	Influence of T-shaped Magnetodielectric Materials on Radiation Pattern of Dual-band Planar Antenna
309827	台灣	YU-CHENG LIN, HSIEN-RU CHU, YUAN-CHENG TSAI, YI-YUN ZHANG, ZHI-XIANG CAI, YEN-CHIN LAI	僑光科技大學	An assistive devices of upper limb to reduce musculoskeletal injuries in fixed handling positions
309828	台灣	Wen-Cheng Lai, Jun-Jie Wang, Yung-Cheng Su, Qian-Xiang Zhou	明志科技大學	Effect of Double Magnetodielectric Materials on Ladder-type Monopole Antenna
309939	Malaysia	Choo Mei Teng-Stephanie, Nadzirah Binti Zainordin	UCSI University	Model of Sustainable Workspace for Architecture Firms in Malaysia
309963	台灣	Mia Yishan Tsai, Amber Tzuchi Tsai, Yen-Si Lin, Yen-Shu Lin, Chao-Chang Liao	林口康橋國際學校	Two-Stage Door Safety Device for Automobiles
309969	台灣	RONG-BIN LAI, CHUN-YEN CHUNG, CHIH-WEI CHIANG	崑山科技大學	SELF-PROPELLED UV GERMICIDAL EQUIPMENT
309974	台灣	Ya-Kuan Chou, Tun-Hsueh Chan	國立雲林科技大學	Portable Paper Folded Piece of Furniture
309977	台灣	Ming-Chun Hsieh, Ta-Chun Chai, Shih-Chieh Kao, Tung-Lin Chen, Ting-Yu Chuang	崑山科技大學	Natural roof ventilator power generation device
309998	台灣	Chih-Yuan Chang, Sheng-Hong Shi	台鋼科技大學	Development of cast-in heater with high thermal efficiency

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310005	台灣	Tse-Min Wei, Po-Jui Chen, Hsiu-Chu Hsu	國立陽明交通大學	Application of Augmented Reality Technology for the Visualization and Demonstration of Heavy Metal Detection Methods
310010	台灣	Chang-Yue Chiang, Chien-Hsing Chen, Chien-Tsung Wang, Chin-Wei Wu, Fang-Chi Chen, Hsing-Yu Chiang	國立彰化師範大學	Dual-Channel Fiber Optic Plasmonic Sensor for Nicotine Detection Based on Molecular Imprinting Technology
310014	台灣	Tseng-Fung Ho, Chih-Ling Lin, Wei-Ming Ho, Jia-Uei Chan, Wei-Xin Fang	國立勤益科技大學	Intelligent digital medical hand tool AI diagnosis and surgical parameter treatment recommendation auxiliary system
310015	台灣	Ken-Lin Chang, Hui-Chun Chang, Anh Khoa Nguyen, Thuy Duong Le, Quang-Tam Huynh, Yi-Ting Wu	國立中山大學	Sustainable Bioplastic Innovation: Using Microalgae Protein and Agricultural Waste for Eco-Friendly Production
310021	台灣	Chun-Yen Chung, Teng-Fu Chang, Rong-Bin Lai, Yu-Cyuan Chen	崑山科技大學	FIRE EXTINGUISHING DISPATCH CONTROL SYSTEM AND AUTOMATIC FIRE EXTINGUISHING SYSTEM
310033	台灣	Wei-Wu Liu, Wan-Chin Wang, Pin-Hsuan Chen	宏國德霖科技大學	Extremely fast decanter with Zen rain chain style and rotatable decanting device set
310036	台灣	Tian-Jye Hsieh, Shu-Chen Hsu, Hsiao-Ling Huang, Pao-Chen Kuo, Chen-Ling Liu, Yi-Chun Liu	輔英科技大學	Beauty Gel
310040	台灣	Syu-Jyun Peng, Chun-Chun Huang	臺北醫學大學 Taipei Medical University	BRAIN IMAGING NEUROLOGICAL ABNORMALITY PERDICTION SYSTEM AND OPERATION METHOD THEREOF
310043	台灣	Pen-Shan Chao, Guan-Jong Hwang, Hsiu-Yi Pan, Tzu-Yuan Chao, Pin-An Chao	新創力顧問有限公司	Recycling of brewery waste to make bio-degradable and eco-friendly products

# 2024 International Innovation & Invention Competition Gold Medal Award List

SID	Country	Inventor	Organization	Invention
310058	台灣	Hsiao-Chin Jen, Tzu-Hsien Yu, Yan-Ting Liu, Yu-Xiang Song, Qin-Yi Chen, Hui-Chen Tsai	台北海洋科技大學	Smart Necklace
310059	台灣	Hanagata Yayoi, Yun-Jen Liao, Han-Lin Hsiung, Chung-Chang Lien	康寧學校財團法人 康寧大學	Life-Saving-Kettle
310060	台灣	KUAN-CHI TU, CHE-CHUAN WANG, TE-CHANG WU, YUNG-DE KUO, CHING-LUNG KUO, JUI-YU WENG	奇美醫療財團法人 奇美醫院	Interchangeable Simulated Femoral Vein Catheter Insertion Training Device
310066	台灣	Chia-Jui Chiang, Chia-Ying Chiang, Jung-Lung Chiang	國立勤益科技大學	Disposable Flexible Sensor : pH and Cell Viability Applications
310072	台灣	CHEN SHIH-YING, CHEN MU-HSIEN, LAI YUN-CHIEH, TSAI CHENG-TING	嘉南藥理大學	AI ring and bracelet recognition system
310073	台灣	Chia-Hua Liang, Leong-Perng Chan, Pin-Ju Chen, Han-Ting Chan, Hung-Tzu Hsu	嘉南藥理大學	Peony Extract High-Performance Protective Gel – Innovative Elastic Protection Technology and Skincare Application
310079	台灣	Uzu-Kuei Hsu, Hong-Bin Chang, Yan-Ru Lee, Hong-Qi Guo, Sheng-Xiang Huang	國立屏東科技大學	A Stirling Magnet Power Generator Driven by Solar Thermal
310086	台灣	Shi-Hun Haung, Yi-Ru Hung, Chung-Yu Hsu, Chun-Shih Cheng	僑光科技大學	AR Home Rehabilitation Assistant
310087	台灣	Yong-Dong Chang, Bo-Wei Lin, Dun-Min Xu, Hong-Yue Chen, Hsin-Tsai Hsu, Min-Syuan Huang	國立澎湖科技大學	Novel High-Efficiency Floating Solar Photovoltaic Array Power Generation System

## 2024 International Innovation &amp; Invention Competition Gold Medal Award List

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310088	台灣	Samuel Y. Ruan, Ting-Ting Chang, Huan-Jui Hsu, Guan-Yi Liu, Yi-Syuan Chen, Ting-Yu Zheng	龍華科技大學	Multicolor Fused Deposition Modeling
310089	台灣	CHEN SHIH-YING, HSIEH YA-LU, FEI CHING-YU, HSU FU-CHIANG	嘉南藥理大學	Eel pet food
310095	台灣	CHI-MING WONG, MING-CHE HSIEH, HSIN-YU LAI, WEN-CHENG TSAI, LI-HSIANG HSIEH, HSIN-AN LIN	景文科技大學	A Smart Time Slot Selection Scheme for Beacon Broadcasting Cluster-Tree IoT Sensor Networks
310097	台灣	Chao-Shun Yang	明志科技大學	The testing setup for a microwave radar sensor
310105	台灣	CHIA-CHING WU, HAO-LUN ZOU, YUNG-LUN KAO, TING-CHEN CHEN, WEN-YEN HSUEH, RU-JIN YANG	台東大學	Emergency Vehicle Right-of-Way Control AI System
310106	台灣	CHUN-SHIH CHENG, XIAO-YU WANG, QING-FENG HUANG, JIA-YOU YANG, HONG-EN GONG	僑光科技大學	Intelligent pet care assistant
310110	台灣	Chin-Hua Huang, Yu-Cai Lin, Li-Xin Huang, Yi-Yun Zhang, Yen-Chin Lai, Zhi-Wei Zhang	僑光科技大學	Plastic Bottle Converter
310112	台灣	Chien-Sheng Huang, Yen-Chun Huang, Po-Hsien Huang, Yu-Jen Lu, Cheng-Han Tai, Yao-Yu Li	國立雲林科技大學 /私立正心高級中學	A new healthy paper container with low recycling cost

# 2024 International Innovation & Invention Competition Gold Medal Award List

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310114	台灣	CHUN-SHIH CHENG, YOU-PENG SUN, YU-SHENG LO, YU-TA CHENG	僑光科技大學	Indoor behavioral intention prediction eagle eye
310122	台灣	Huai-Kuei Wu, Wei-Di Chen, Si-Huei Lee, Ming-Xian Wang, Wei-Hsiang Chen, Yi-Zhe Lin	亞東科技大學	Analyzing System for Predicting Rehabilitation Outcomes
310126	台灣	I-Chuang Wang, Kuan-Wen Chen, Bo-Xiang Huang, En-Ti Luo, Yun-An Li, Yi-De Ho	僑光科技大學	Automatic Following Electric Wheelchair
310134	台灣	CHIH-WEN CHEN, PO-HSUN CHEN, MENG-ZE WU, CHENG-YU YU, RUI-YING CHEN, ZHENG-YANG CHEN	龍華科技大學	3D printer automatic feeding device with broken wire detection, refilling and color changing functions
310145	台灣	Yuan-Hsiou Chang, Hsiao-Ling Lu, Tzu-An Liao, Ting-Yun Wang, Hsing-Hung Chen, Cheng-Han Jhan	國立臺中科技大學 / 國立虎尾科技大學	Multifunctional AIoT Kitchen Island System
310157	台灣	Yuan-Hsiou Chang, Hsiao-Ling Lu, Jun-Kai Yang, Yi-Yu Chen, Shang-Feng Li, Bo-Hong Jhao	國立臺中科技大學	Smart Pet Paradise Den
310205	台灣	Syu-Jyun Peng, Chia-Lun Chou, Chun-Chun Huang	臺北醫學大學	EVALUATION SYSTEM OF POSRIASIS IMAGING AND ITS OPERATION METHOD
310209	台灣	Wen-Liang Chen, Ying-Liang Yao, Miao-Syuan Zeng	樹德科技大學	FORKLIFT WITH LED WARNING FUNCTION
310211	台灣	Wen-Liang Chen, Ying-Liang Yao, Mei-Chi Chen	樹德科技大學	REAL-TIME TRAFFIC ALERT DEVICE AND SYSTEM

## 2024 International Innovation & Invention Competition Gold Medal Award List

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310253	台灣	JUI-YI WU		Smart Automatic Adjustable Design of Motorcycle Side Kickstand
310292	台灣	Chih-Yuan Weng, Chung-Wei Yeh, Chien-Chin Su, Ya-Wen Yang, Yuan-Ming Chiu	空軍航空技術學院	Airborne charging device for drones
310399	台灣	Xin-Liang Chen, Chia-Ling Chen, Ta-Lun Sung, Bing-Yi Jiang, Jing-Tan Wang, Chuan-Ting Lee	龍華科技大學	Application of environmentally friendly metallized ceramics in electronic connectors
310402	台灣	Kwan-Nin Kuo, Szu-Hui Wu, Chun-Yao Lin, Yu-Quan Kang, Jing-Tan Wang, Shang-Hua Yang	龍華科技大學	Preparation of nanodiamonds by chemical composite plating
310411	台灣	Ta-Lun Sung, Szu-Hui Wu, Qi-Ling Li, Yi-Wei Chiu, Bo-Hung Lee, Chuan-Ting Lee	龍華科技大學	Manual Operation to Automation Language Conversion System and Method
310413	台灣	Shih-Hsiang Chen, Kwan-Nin Kuo, Fu-Chuan Cho, Yu-Syuan Jheng, Bo-Hung Lee, Shang-Hua Yang	龍華科技大學	Enhanced memory alloy surface material properties
310418	台灣	Kwan-Nin Kuo, Yi-Cyuan Shih, Bing-Rui Chen, Chun-Yao Lin, Jing-Tan Wang, Shang-Hua Yang	龍華科技大學	Lightening color treatment of anodic oxide film on cast aluminum alloy surface
310428	台灣	Yu-Ting Wang, Hsiao-Chin Jen, Yu-Ming Yu, Pin-Chien Ho, Kuan-Ta Liu, Bing-Hong Lin	臺北市開南高中	Smart Electronic Cutting Board



## 2024 International Innovation &amp; Invention Competition Gold Medal Award List

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310457	台灣	Kwan-Nin Kuo, Szu-Hui Wu, Yu-Quan Kang, Bing-Rui Chen, Jing-Tan Wang, Shang-Hua Yang	龍華科技大學	Antibacterial micro-arc oxidation film on zinc-magnesium alloy
310460	台灣	Ching-Long Wei, Lai-Wang Ji, Tzu- Chien Huang, Bo-Hung Lee, Chuan-Ting Lee, Bing-Yi Jiang	龍華科技大學	Fabrication of ordered porous alumina template
310467	台灣	Ching-Long Wei, Yi-Cyuan Shih, Kuo-Ming Lai, Bing-Yi Jiang, Bo-Hung Lee, Chuan-Ting Lee	龍華科技大學	Preparation of titanium dioxide photocatalytic antibacterial film on titanium surface by micro-arc oxidation
310469	台灣	Ching-Long Wei, Yu-Syuan Jheng, Kuo-Ming Lai, Bo-Hung Lee, Chuan-Ting Lee, Yi-Cyuan Shih	龍華科技大學	Ceramic insulation layer on metal heat dissipation substrate surface
310471	台灣	Jeou-Long Lee, Szu-Hui Wu, Cheng Chao, Cheng-Yu Hsieh, Jing-Tan Wang, Shang-Hua Yang	龍華科技大學	Fabrication of mold and reflector by nanoimprinting on porous alumina array template
310472	台灣	Jeou-Long Lee, Kwan-Nin Kuo, Shan-Yen Chen, Bo-Hung Lee, Jing-Tan Wang, Shang-Hua Yang	龍華科技大學	The mold surface is coated with diamond-like carbon coating
310494	台灣	Chia-Wei Hsu, Chih-Huang Chiang, Li-Kai Liu, Pin-Yu Liu, Yu-Xin Ye	空軍航空技術學院	Multifunctional Aircraft Parking System
310502	台灣	Chih-Yuan Weng, Yuan-Ming Chiu, Ya-Wen Yang, Yu-Chen Weng, Yu-Fan Weng	空軍航空技術學院	Multifunctional drone for disaster relief
310506	台灣	Yuan-Ming Chiu, Chih-Yuan Weng, Ya-Wen Yang, Yu-Fan Weng, Yu-Chen Weng, Chien-Chin Su	空軍航空技術學院	Detachable mobile multi-functional fire sprinkler tower

# 2024 International Innovation & Invention Competition Gold Medal Award List

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310575	台灣	Huan-Liang Tasi, Hsien-Hsiu Chen, Bo-Ming Huang	大葉大學	Generalized Wireless Alternating Current Power-Monitoring Module
310782	台灣	CHANG-HIS WU, RUEY-CHANG HSIAO, TZU-YI LIU, CHIUNG-HSUAN LIU, MING-PAO LIN, SHIH-CHANG CHO	龍華科技大學	FOREIN OBJECTION REMOVAL DEVICE
310785	台灣	RUEY-CHANG HSIAO, CHANG-HIS WU, TZU-YI LIU, MING-PAO LIN, DE-SHIN KE, BO-YAN LIN	龍華科技大學	Small hydraulic turbine generator set
310789	Malaysia	Asst. Professor Ts. Sr Dr. Nadzirah Hj. Zainordin, Ts. Sr Khoo Sui Lai	UCSI University	Model of Sustainable Smart Cities
310801	台灣	Ming-Che Sung	內政部消防署	Mountain Operations Body Bag
310803	台灣	Wu-Chi Chen	內政部消防署	SERAF - UAV Extinguish Device System
310805	台灣	Chih-Hsiang Li	內政部消防署	Hazardous Gas Detector
310986	台灣	Pi-Heng Chung, Jung-Hung Yen, Zhi-Yu Tong	宏國德霖科技大學	Collapsible Coffee Filter Cup
311558	台灣	Ya-Ying Wang, Shu-Lin Yang, Shinn-Dar Wu	社團法人新北市身心障礙者體育運動總會	Mouse for people with disabilities
311700	台灣	Justin Shea, Jessica Shea	台北市私立再興小學	AI Assistant for Fresh Elementary Students

## 2024 International Innovation &amp; Invention Competition Gold Medal Award List

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311731	台灣	CHANG CHIN-CHIH, TSENG CHU-CHENG, SUNG YI-EN, HUANG SHENG-HSUAN, CHEN CHIEH-CHEN, CHAO WEI-CHI	仁德醫護管理專科學校	Interactive Sandbag Throwing Game Device
312002	Singapore	Jonathan Lim Wei Jie, Darren Chow De Jian, Lee Boon Yew	MatchWise Pte Ltd	MatchWise
312006	CHINA	An-jun Li, Jing-jun Su, Zhong Chen, Jin-rui Zhang, Xuan Xuan, Xiao-li He	Guangdong Polytechnic of Water Resources and Electric Engineering	A cleaning robot for photovoltaic modules
312008	Morocco	Hassan Ammor, Er-Reguig Zakaria	Technology Innovation Center (TIC), Mohammadia School of Engineers (EMI), Mohammed V University in Rabat	Invention of an intelligent scanner non-ionizing, contactless, efficient and low cost radio frequency for the detection of breast cancer
312010	Russia	Zatuchny Alexander Mikhailovich	JSC “Tupolev”	Critical flight mode signaling device
312110	Thailand	Asst. Prof. Dr. Chutima Kongjaroon, Miss Tormai Kumwongdee, Mr. Chayin Wattanjittikul, Mr. Prem Kaewboonsong, Miss Kanwara Suangkaew	Maejo University	Unlocking Aromas and Flavors with an Innovative Cold Brew Coffee Method
312112	Thailand	Suraphon Chaiwongsar, Prawet Meeburut, Nuttha-amorn Chuangchoeam, Nittaya Ekbang, Sarawut Ekbang, Naruemon Saewang	Rajamangala University of Technology Lanna Lampang	Cool Clay Pot

## 2024 International Innovation & Invention Competition Gold Medal Award List

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312114	Thailand	Nuttha-amorn Chuangchoeam, Prawet Meeburut, Suraphon Chaiwongsar, Wanwisa Inkaewpuangkham, Naruemon Saewang, Manoch Kimpanalaisatit	Rajamangala University of Technology Lanna Lampang	Microwavable Herbal Compress Massage Ball
312562	USA	Serenna Wu and Amber Chen		Wearable Rehabilitation Device: Helps patients with rehabilitation training and improves recovery outcomes.
312563	USA	Nathan Lisonbee, Mya Mascherino, and Jarid Walser		Smart Home Control Center: Allows you to control all your smart home appliances with a single button, saving time and effort.
315654	台灣	ZHI-TING YE	國立中正大學	Micro display panel structure