



3rd ASIA EXHIBITION OF INNOVATIONS AND INVENTIONS HONG KONG

Inventions Hong Kong

7-8 DECEMBER 2023
HONG KONG CONVENTION
AND EXHIBITION CENTRE
INVENTION-ASIA.HK

ORGANIZER



THE HONG KONG
EXPORTERS'
ASSOCIATION
香港出口商會
since 1955

PARTNERED WITH



THE ASIA'S UNIQUE ANNUAL INNOVATION & INVENTION EXHIBITION

The Asia Exhibition of Innovations and Inventions Hong Kong (AEII) is the Asia's annual exhibition cum competition exclusively devoted to innovations and inventions from Asia to be hosted in Hong Kong, by partnering with Palexpo, Geneva, organizer of the International Exhibition of Inventions Geneva.

Under the innovation-driven development strategy by the Government, Hong Kong aims to enhance its transformation into a knowledge-based economy, by taking the city's strength as an innovation and technology hub in the Asia-Pacific region as well as its key role in the Guangdong-Hong Kong-Macao Greater Bay Area. Out of the Area 86 million population and collective GDP reaching US\$1.79 trillion, Hong Kong is the most open and international city, not only for its well-developed finance system, transportation, trade centre and aviation hub, but also its renowned professional services. These advantages foster Hong Kong as a hub that provides the infrastructure and talent for innovations and collaborations.

After 3 years, the event is finally back to Hong Kong physically. Riding on the success the events in 2018 and 2019, and under the advocate of government policies, AEII 2023 will once again be the spotlight on best innovations and inventions uniquely from Asia. Through exhibition and competition under one roof, global experts, inventors in industry will showcase their breakthrough and versatile inventions and solutions to the world. Along with HKTDC events, the Entrepreneur Day (7 - 8 December) and the Business of IP Asia Forum (7 - 8 December) will generate synergy to benefit the community for valuable idea exchanges and unlimited new opportunities.

ORGANIZING COMMITTEE

GENEVA



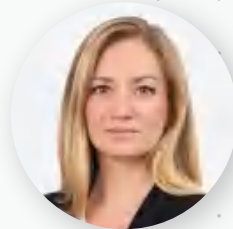
Mr. Claude Membrez

CEO
Palexpo SA



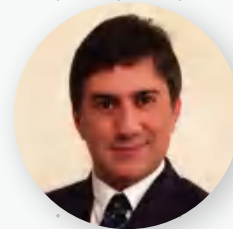
Mr. David Taji

President of the Jury
Inventions Geneva



Ms. Caroline Simonet

Project Director
Inventions Geneva



Mr. Ali Reza Rastegar

President
IFIA

HONG KONG ADVISORY COMMITTEE



Mr. Eric Sun

Chairman of HKEA
Advisory Committee of
Hong Kong Innovation & Invention



Mr. Vincent Ma, MH

Project Convenor of AEII
Vice Chairman of HKEA
Project Convenor of
Hong Kong Innovation & Invention



Ir. Andrew Young

Honorary Advisor of
Hong Kong Innovation & Invention
Honorary Advisor of HKEA



**Mr. Willy Lin
GBS, MBE, JP**

Honorary Chairman of HKEA



Mr. Benson Pau

Honorary Chairman of HKEA

AWARDS

All the Awards will be selected from the above awardees by a group of veteran venture capitalists and angel investors to recognize the most worthy investable invention. The International Jury comprised of specialists will judge the inventions, and Awards will be bestowed to successful inventors.

- Grand Award
- Gold Medal
- Bronze Medal
- Geneva Inventions Award
- Silver Medal

Special Awards selected by the following Associations / Organizations

- IFIA
- CAI
- NRCT
- Technopol Group

JUDGE PANEL

Main Judge Panel



Mr. David Taji
PRESIDENT OF THE JURY
President of the Jury
Inventions Geneva



Mr. Steve Chuang
MAIN JUDGE PANEL
Chairman
Federation of Hong Kong
Industries



Ir. Andrew Young
MAIN JUDGE PANEL
Associate Director
(Innovation & Technology)
Sino Group

Class A & B



Mr. Gary Yeung, MH
President
Smart City Consortium



Mr. MY Wong
SBS, BBS, JP
Former Chairman
ASTRI



Mr. Mingles Tsoi
CXO
ParticleX



Dr. Alfred Ng
Chairman
Hong Kong Electronics
Industry Council (HKEIC)



Mr. Peter Mok
Head of Greater Bay Area
HKSTP



Mr. Sam Wong
General Manager
TusPark Hong Kong.

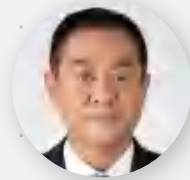


Ms. Ellen Lim
Assistant General Manager
(Innovation)
Sino Inno Lab

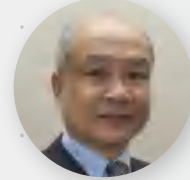


Mr. Perkins Ho
Head of Operations
MTR Lab Company Limited

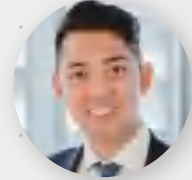
Class D



**Prof. Albert Yu
Ph.D., JP**
Chairman
Hong Kong Biotechnology
Organization



**Ir. Prof.
Andros Chan**
Honorary Chairman
Hong Kong Medical
and Healthcare Devices
Industries Association



Mr. Emmanuel Hui
CEO
The Tiger Jade Pebble
Accelerator (Pebble)



Mr. Sammi Wong
Founding Member and Leader
Hong Kong-based
HKSTP Ventures



**Dr. Chuen Yan Leung,
PhD**
Vice President
Hong Kong Biotechnology
Organization



Dr. Simon Law
Assistant General Manager
(Innovation)
Sino Inno Lab



Dr. Lydia Leung, PhD
Chairman
Hong Kong Medical
and Healthcare Devices
Industries Association



Mr. Edmond W.F. Yau
Executive Committee
Hong Kong Automation
Technology Council

Class C



Mr. Basil Wai
CEO
The Hong Kong Electronic
Industries Association



Ms. Akina Ho
Venture Partner - Asia Pacific
UK Venture Fund - Pi Labs

Class E



Mr. Lit Fung
VP & Managing Director
Geek Plus International
Co., Ltd.



Ir. Dr. Eric Liu
Deputy Executive Director
VTC

Class F



Dr. Wing Ching Keung
Professional Advisor
FITMI



Mr. Roy Lim
Executive Committee
Hong Kong Automation
Technology Council

EXHIBITOR LIST

BOOTH	COMPANY / ORGANIZATION NAME	CLASS
1D-F17	Allied Success Technology Development Limited	A
1D-D24	Soteri Technology Limited	A
1D-E20	Digitized Cleaner Cities Lab, Peking University	A
1D-B06	Eternal Technology Concept Limited	C
1D-E22	io.net, inc.	C
1D-E24	Pamela Youde Nethesole Eastern Hospital	D
1D-E16	Simply Mask Ltd	B
1D-F15	Bioneer Corporation	D

Automotive Platforms and Application Systems (APAS) R&D Centre

1D-B07	APAS - Development of PEM fuel cell technology platform for EV mobile charging system	A
1D-B13	APAS - Development of Pantograph High Power Charging Solution for Electric Commercial Vehicles	E

Centre for Eye and Vision Research

1D-F21	CEVR - Obstar	D
1D-F23	CEVR - Structured Light Observation, Perception and Evaluation (SLOPE) device	D

China Association of Inventions (CAI)

1D-B04	Chaobei Tools (Shandong) Co., Ltd.	A
1D-A12	Suzhou SeeEx Technology Co.	E
1D-A14	Taizhou Hongda Electric Power Construction Co., Ltd.	F
1D-A10	Wuhan University of Technology	E

City University of Hong Kong

1D-B02	CityU - Negative Reactance: A Game Changing Device for Power Applications	A
1D-B10	CityU - Multi-Site Integrated Power Converters for DC Distribution Networks of Data Centers	C
1D-B12	CityU - Ice Transfer for 2D Materials and Ultra-clean Semiconductor Device Manufacture	C
1D-B16	CityU - ClusterAD : Method of Presenting Flight Data of an Aircraft and a Graphical User Interface for Use with the Same	E
1D-C01	CityU - Solar-Electrocatalytic System for Hydrogen Generation	A
1D-C04	CityU - Selective Oil-absorbing Eco-Friendly Materials Developed by Simple Chemical Modification	A
City University of Hong Kong (HK Tech 300)		
1D-C11	AniTech Limited	D
1D-C07	Arbele Limited	D
1D-C09	ASA Robotics Limited	D
1D-C10	CAT Limited	A
1D-B08	Doctech HK Limited	C
1D-C12	HK Super Carbon Nano Technology Limited	A
1D-C14	I2COOL Limited	A
1D-C16	InnoSpire Technology Limited	B
1D-C13	ITsci Company Ltd.	D

City University of Hong Kong

BOOTH	COMPANY / ORGANIZATION NAME	CLASS
City University of Hong Kong (HK Tech 300)		
1D-C05	Micro Sensing and Imaging Technologies Limited	D
1D-C06	NerOcean Limited	A
1D-C20	S3Tough Tech Co. Limited	B
1D-C15	Seth Biotech Limited	D
1D-B14	SmartSkyBuilder	E
1D-C18	Sramek Insight Limited	B
1D-C08	Super Bamboo Limited	A
1D-C03	Wearable Intelligent Sensing Technologies Limited	D

Electrical and Mechanical Services Department

1D-D03	EMSD - Use of Artificial Intelligence, Drone and Remote Sensors for Tower Inspections	A
1D-D05	EMSD - City-level Robotic Inspection and Diagnostic System for Building Systems	A
1D-D07	EMSD - A.I. Real-time Lift Door Inspection System	A
1D-D09	EMSD - Smart Antifouling Seawater Screen	A
1D-D11	EMSD - AI Voicebot Training System with Performance Evaluation for Call Centre Agents	A
1D-D13	EMSD - 3D printed Trap case and T-Shaped Bait Box for rodent control and management	B

Hong Kong Applied Science and Technology Research Institute Company Limited

1D-C02	ASTRI - Optical Security Label for anti-counterfeit, data encryption & storage	C
1D-D01	ASTRI - Smart Contactless Robots Charging (SCRC): A High-Efficiency & Compact Wireless Charging Platform for Industrial Robotics	F
1D-D02	ASTRI - Method and Apparatus for Virtual Avatar Generation	B
1D-D04	ASTRI - Full-dome laser scanner	A
1D-D06	ASTRI - Long-Wave Infrared Imaging Metalens	A
1D-D08	ASTRI - Advanced lighting system for large scale green architecture applications	A
1D-D10	ASTRI - Time-Sensitive 5G Communication for New Industrialization	A
1D-D12	ASTRI - 5G Multi-Hop Backhaul for Smart Cities and Rural Communications	A
1D-E01	ASTRI - Image Processing Method For Multi-frequency Ultrasound Probe Device	D

Hong Kong Industrial Artificial Intelligence & Robotics Centre

1D-A16	FLAIR - AssemblyWise: Intelligent Sequence Planning	F
1D-B15	FLAIR - Logistics Process Intelligent System	E

EXHIBITOR LIST

Hong Kong Productivity Council

BOOTH	COMPANY / ORGANIZATION NAME	CLASS
1D-B03	HKPC - Cutting-Edge Aluminum-Silicon Casting Alloy with Superior Thermal Conductivity and Minimal Thermal Expansion	A
1D-B09	HKPC - Develop Smart Logistics Solution with Autonomous Moving Robots	E
1D-B05	HKPC - Power-hawk Inspector: A Drone-based Power Grid Defect Inspection Equipment using Federated and Few-shot Learning	A
1D-B11	HKPC - Super Mario Bros - Mario & Luigi Fire fighting Support Mobile Robots	E

Logistics and Supply Chain MultiTech R&D Centre

1D-D26	LSCM - AI Vision Technology for Heat Source Detection to Enhance the Effectiveness of Automated Hill Fire Surveillance	A
1D-D28	LSCM - Automated Concrete Cube Testing System	A
1D-E17	LSCM - AIoT Herbal Picking and Delivery System for Traditional Chinese Medicine Hospital	D
1D-E19	LSCM - Baby Tag and Baby Tracking Management Control System	D
1D-E21	LSCM - Tele-practice Platform System	D
1D-E23	LSCM - RFID Device (Two-piece Device for Tolling Application)	E
1D-E25	LSCM - Vehicle Detection and Alert System for Better Mobility	E
1D-E27	LSCM - Robo-9 with Multi-Sensor Technologies for Visually Impaired	B

MTR Corporation Limited

1D-A04	MTRCL - Real Time Computer Vision Based Inspection Device for Escalator Clearance	A
1D-A06	MTRCL - AI Sensors Fusion Technique in Train Bogie Maintenance	E
1D-A08	MTRCL - Automatic Railway Intelligent Shunting Application (ARISA)	E

National Research Council of Thailand (NRCT)

1E-B37	A&B Innovation, Faculty of Agro and Bio Industry, Thaksin University	D
1E-A40	Chulalongkorn Demonstration Elementary School - Germ Guard Goo (G.G.G)	A
1D-F46	Chulalongkorn Demonstration Elementary School - O-NE CASE air purifier	B
1E-A30	Chulalongkorn University - BioCa: Plant Bio-Calcium Booster	F
1D-F42	Chulalongkorn University - OxyRock	B
1D-F44	Chulalongkorn University - WELL Weaver : Weaving Invention for Wellbeing and Sustainable Decoration	B
1E-B33	King Mongkut's University of Technology Thonburi - Bone substitute with biodegradability control for enhancing bone integration efficiency in Orthopedic treatment	D
1E-B35	King Mongkut's University of Technology Thonburi - Portable oxygen canister for enhanced freshness and disease prevention	D
1E-A34	King Mongkut's Institute of Technology Ladkrabang	F
1E-B39	MT Natural Herb Company Limited	D
1D-F48	National Nanotechnology Center, Chulalongkorn University	B
1E-A38	Princess Chulabhorn Science High School Pathum Thani - BSM : Innovative Friendly Bio-based Surfactants for Mangrove Conservation	A
1E-A36	Princess Chulabhorn Science High School Pathum Thani - NRHP : Innovative High Efficiency Nursery Bags Supplement Nutrients for the Root Harvesting Plant	F
1E-B29	Thammasat University - Miracle concentrated curcumin facial cream	D

National Research Council of Thailand (NRCT)

BOOTH	COMPANY / ORGANIZATION NAME	CLASS
1E-B31	Thammasat University - Dietary supplement for damaged and degraded skin care	D
1E-A32	Thammasat University - Trace EBN: A Traceability Platform for Genuine Swiftlet Nest	F
1D-F50	The Radio Control Airplane Modeler Sport Association	E

Technopol Group

1D-F19	Federal State Autonomous Institution "National Medical Research Neurosurgical Center named after Nikolay Burdenko" of the Ministry of Health of the Russian Federation	D
--------	--	---

The Chinese University of Hong Kong

1D-D14	CUHK - Novel Sustainable Inorganic Hollow UV Filters for Cosmetic Applications	A
1D-E03	CUHK - AI-guided and Personalised Fecal Microbiota Transplantation (FMT) Treatment for Human Diseases	D
1D-E05	CUHK - Secretome derived from fetal goat stem cells under hypoxic condition for skin regeneration	D
1D-E07	CUHK - Universal 3D Tissue Imaging & Analysis Methods	D
1D-E09	CUHK - Self-healing Magnetic Slime Robot for Non-invasive Endoluminal Intervention in the Gastrointestinal System	D
1D-E11	CUHK - Re uxChip – a Miniature, Battery-free Remote Sensing System for Real-Time Monitoring of Gastroesophageal Re ux Disease	D
1D-E13	CUHK - ARIA-diabetes risk	D

The Education University of Hong Kong

1D-D16	EdUHK - Nano-Sensor System for Meat and Seafood Monitoring	B
1D-D18	EdUHK - Rapid Quantification of Microplastics Using Total Organic Carbon Analysis with Simple Sample Pre-treatment	A
1D-E15	EdUHK - An Intelligent Ocular Misalignment Measurement System	D

The Hong Kong and China Gas Company Limited

1D-C22	Towngas - Smart Controller	B
1D-C24	Towngas - Smart Kitchen Solution	B
1D-C26	Towngas - Smart Safety Gas Meter	B

EXHIBITOR LIST

The Hong Kong Polytechnic University

BOOTH	COMPANY / ORGANIZATION NAME	CLASS
1D-D15	PolyU - AIoT Empowered All-Terrain Personal Vehicle for People with Disabilities	B
1D-D17	PolyU - Autonomous-legged Robotic Dog Providing Navigation Support for the Blind	D
1D-D19	PolyU - Mixed Reality-based Radiotherapy and Imaging Simulation for Clinical Education and Services	D
1D-D20	PolyU - ZC-01TM: Fully Automatic Commercial Washroom Cleaning Robot	A
1D-D21	PolyU - Contrast-free Virtually-enhanced MRI for Precise Tumour Treatment in Carcinoma	D
1D-D22	PolyU - AI Ambassador (Digital Human Version)	A
1D-D23	PolyU - Light Field Microscope Imaging and 3D Visualizing System	F

The Hong Kong University of Science and Technology

1D-D25	Confo Quanta	F
1D-D27	Digital Continents Limited	C
1D-C28	Tranquility Acoustronics (HK) Limited	B

ORGANIZER

THE HONG KONG EXPORTERS' ASSOCIATION

Room 924, Star House, 3 Salisbury Road, Tsimshatsui, Kowloon, Hong Kong
T. (852) 2730 9851 | E. hkea@exporters.org.hk

hkexporters.org.hk

HKEA



AEII



SCAN TO KNOW MORE