



HONG KONG ELECTRONICS &
TECHNOLOGIES ASSOCIATION
香港電子科技商會



科技破疫境

創新建繁榮



Annual Journal

2021年會刊

in Electronics

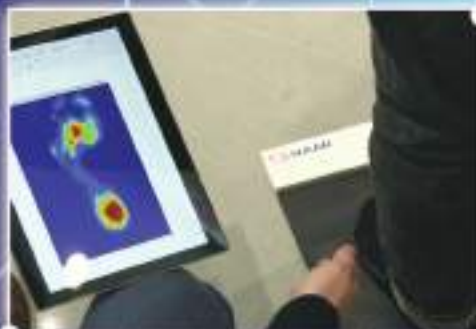
Battery Technologies



Thermal Management Materials



Printed Sensor Technologies



Optical Materials



Auto-Fitting Polymer eMuscle Materials





Logistics and Supply Chain MultiTech R&D Centre
物流及供應鏈多元技術研發中心

One-stop R&D Centre for Hong Kong Technologies

一站式香港技術研發中心

Follow-Me Robot
自動導行機器人



Product Authentication
Technology
產品溯源防偽技術



Heavy Duty Autonomous
Guided Vehicles (AGV)
重型自動導引車/搬車



e-Lock
電子鎖



LSCM was founded with funding from the Innovation and Technology Fund of the Government of the Hong Kong SAR

- Focuses on technology research
- Facilitates technology transfer
- Provides support to small and medium enterprises
- Non-profit-making R&D Centre

Virtual Reality (VR)
System for
Operation Training
虛擬實境培訓系統



居安抗疫
StayHomeSafe



StayHomeSafe System
「居安抗疫」系統

LSCM 由香港特別行政區政府
之創新及科技基金撥款資助成立

- 專注於技術研發
- 促進技術轉移
- 致力協助中小企業
- 非牟利研發中心

Smart Cargo Locating
貨物智能定位系統



Hong Kong-Zhuhai
Trade Facilitation
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Contact Us:

(852) 3973 6200

(852) 3106 0202

info@lscm.hk



LSCM R&D Centre

www.lscm.hk



Digital Technology Hub in Hong Kong

With a vision to be the hub for digital technology, creating a new economic driver for Hong Kong, Cyberport is committed to nurturing a vibrant tech ecosystem by cultivating talent, promoting entrepreneurship among youth, supporting start-ups on their growth journey, fostering industry development by promoting strategic collaboration with local and international partners, and integrating new and traditional economies by accelerating digital transformation in the public and private sectors.



- Innovative digital community with around 1,600 start-ups and technology companies
- Focuses on building key clusters of digital tech:

Application



FinTech



Smart Living



Digital
Entertainment
/Esports

Technology



AI / Big Data



Blockchain



Cybersecurity

 Your Springboard to Success

www.cyberport.hk

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數碼港
Cyberport

主席感言

Message from Chairman



2020年被喻為消失的一年，沒有出外旅遊，沒有出差，減少外出開會、用膳，甚至沒有假期(因為WFH)。絕大部份人都經歷了不一樣的工作、生活或面對新的環境、習慣及生活模式——所謂新經濟模式。

然而，本會每年的重點項目也慶幸得以舉行。年度晚宴於2020年1月17日如期舉辦，有約400名會員、嘉賓及會友出席。同場與香港科技園合辦了第一次IndustryConnect以及為我會第一屆Innovate For Future (IFF)進行頒獎禮。

另外，本會與香港貿易發展局合辦的年度創新及科技論壇亦於十一月十六日進行，以視像形式廣播，亦大獲好評，除超過一千名觀眾即時收看外，亦有超過五千次點擊，成績斐然。

本會在2020年3月當市面口罩供應短缺期間，亦四出為會員搜羅口罩，幫助會員渡過難關。期間亦為會員提供選擇口罩的知識，並協助部份生產口罩的會員之本地生產線提供免費技術支援。

展望2021年，本會將致力加強「官」、「產」、「學」、「研」之間的聯繫與合作，推動創科以及業務配對。值得一提的是和香港數碼港和嶺南大學的合作，肯定可以締造非常正面的效益。

承接過去一年多的努力，本會在2021年會加強以下活動的推展：

1. 提供更多商業配對機會。
2. 以商會名義，開拓網上商店，推介/展銷會員產品及服務。
3. 以在線形式推出更多科技資訊，實例專題講座，以及環繞Data Science為主題的課程。

經歷了一年多的動盪和疫情，社會上瀰漫着不同的極端情緒。本會承諾會投入更多資源致力於教育和照顧長者，包括開發樂齡科技有關產品以及社區活動。

最後藉此機會，感謝過去一直支持本會的各友好機構，謹祝大家戰勝疫境，生意興隆，身體健康。

謝謝大家！

蔡劍誠
香港電子科技商會 主席
2021年1月

宗旨

本會專注提供會員準確和及時的商業、科技與製造信息，並作為會員交流及創造商機的平台。會員致力香港電子與科技之發展，宏揚創業精神、精益求精，以助業界提升競爭力及生產力。

承諾

為達致本會的宗旨，執行委員會承諾：

1. 組織定期交流聚餐或貿易配對。
2. 舉辦資訊及通訊科技、綠色製造、科技及能源效益、生態設計、先進製造技術、嵌入式軟件等講座和會議。
3. 組團考察世界級先進廠商。
4. 致力尋找對本港業界有利及合適的科技轉移。
5. 保持與政府相關部門、院校、科研院所的緊密聯繫，向政府相關部門申請「有關項目」的調研經費，從而提升本港電子業的技術水平。

Mission

The Association aims to provide accurate and current business, technologies and manufacturing information to members and to act as a platform to foster friendship and business synergies.

Members strive to act as a team committed to the growth of the electronics and technologies in Hong Kong and to promote entrepreneurship and help local electronic businesspeople upgrade and grow.

Pledges

To achieve our mission, the Executive Committee members pledge:

1. Organize network/business-matching dinner party regularly.
2. Host seminars/symposiums on: ICT, Green Manufacturing, Technology & Energy Efficiency, Eco-design, Advanced Manufacturing Technology, Embedded Software etc.
3. Conduct study mission to world-class manufacturers.
4. Form business excursions to explore advantageous and suitable technology transfers to upgrade local manufacturers.
5. Maintain close ties with relevant government offices, local universities and research institutes. Apply for government funds to finance projects that may equip local electronics industry with the latest technologies and know-how.

2020-2021年度商會組織

Organization of the Association (2020-2021)

名譽主席 Honorary Chairmen



王明鑫太平紳士
Mr M Y WONG
SBS, BBS, JP



吳國豪先生
Ir Victor NG



畢堅文先生
Mr Mohamed Din Butt

名譽顧問 Honorary Advisors



徐建博士
Dr Claudia XU



張梓昌博士
Dr Lawrence CHEUNG



許志光博士
Dr Lucas HUI



唐志鴻博士
Dr Frank TONG



李偉文博士
Dr Peter LEE



葛儀文先生
Mr Edwin KEH

名譽法律顧問及知識產權顧問 Honorary Legal & Intellectual Property Advisor

名譽法律顧問 Honorary Legal Advisor



陳惠源律師
Mr Benson CHAN

名譽知識產權顧問 Honorary Intellectual Property Advisor



呂許昭棠博士
Dr Jacqueline LUI

名譽會員 Honorary Members



文効忠教授
Prof H C MAN
Dean of Engineering,
The Hong Kong Polytechnic University (PolyU)



黃國全教授
Prof George Q. HUANG
Head, Department of Industrial &
Manufacturing Systems Engineering,
The University of Hong Kong (HKU)



施毅明教授
Prof Bertram SHI
Head of ECE,
The Hong Kong University of
Science and Technology (HKUST)



彭慧芝教授
Prof Stella PANG
Chair Professor and Head of EE,
City University of Hong Kong (CityU)



Prof Guillermo GALLEGO
Chair Professor and Head of
IEDA Department
The Hong Kong University of
Science and Technology (HKUST)



鄒國棠教授
Prof K T CHAU
Professor and Head of EEE,
The University of Hong Kong (HKU)



蔡定平教授
Prof Din-Ping TSAI
Chair Professor and Head of EIE,
The Hong Kong Polytechnic University (PolyU)



何榮博士
Dr Ir Rosiah Ho, CEng, RPEng
Associate Director, Institute of Data Science,
Lingnan University



冷明明教授
Prof Mingming LEUNG
Professor and Dean of the Faculty of Business,
Lingnan University



許正德教授
Prof Chester SHU
Chairman, Department of EE,
The Chinese University of Hong Kong (CUHK)

2020-2021年度商會組織

Organization of the Association (2020-2021)

理事會成員 Executive Committee

主席
Chairman



蔡劍誠先生
Mr Victor CHOI

常務副主席
Deputy Chairperson



羅瑞真博士
Dr Teresa LAW
Activity and Event Sub-com Chair
Medical and Healthcare Sub-com Chair

副主席 Vice Chairmen



張念坤博士
Dr Nim Kwan CHEUNG



秦仲宇先生
Mr Daniel CHUN



關文龍先生
Mr Myron KWAN

名譽秘書長
Honorary Secretary



唐偉國博士
Ir Dr Aaron TONG
Administration Sub-com Chair

名譽司庫
Honorary Treasurer



侯經權先生
Mr KK HAU

理事會成員 Executive Committee

執行委員 Committee Members



簡斯任先生
Mr Cyril KAN
Community Service Sub-com Chair



瞿品雄先生
Mr George KUI
Membership Sub-com Chair



鄺文偉先生
Mr Manuel KWONG
Smart Electronics Sub-com Chair



李苡晴小姐
Ms Katie LAM



李偉業先生
Mr Alvin LEE
ICT Sub-com Chair



李少榮先生
Mr Derek LEE



梁思敏小姐
Ms Monica LEUNG
Youth and Startup Sub-com Chair



羅奕萱先生
Mr Benny LO
Marketing Sub-com Chair



文振聲博士
Dr Matthew MAN



吳卉茵小姐
Ms Novam NG



Youth Development at HKETA

It has been a challenging year in 2020. However, our HKETA Youth Sub-com has been continuously supporting our youth in career development and professional training, and has formulated key missions and accomplished some important milestones.

- 1) Innovate For Future (IFF2020)
- 2) SVIC Final Showcase Submissions
- 3) Youth Training Workshops
- 4) NICE Conference and Expo

Innovate For Future 2020 (IFF2020)



Innovate for Future (IFF) is an open competition of innovation & technology to inspire youth in Hong Kong to build products to solve real life problems through the ideation to prototype development. This year, we are inviting students from Secondary Schools and Higher Educational Institutes/Universities to join the competition. The competition theme in 2020 is Technology Shaping a Better Life: Health, Intelligence, Communication. We received 50 team applications, and 10 selected teams will go through the mentorship program and pitch their final ideas in Apr 2021 in Cyberport. Innovate for Future 2020 (IFF2020) is currently undergoing the idea submission period, and the winners will be submitted to the SVIC Final Showcase next year. We believe it is an invaluable experience for youth to develop core technology and entrepreneurship skills.

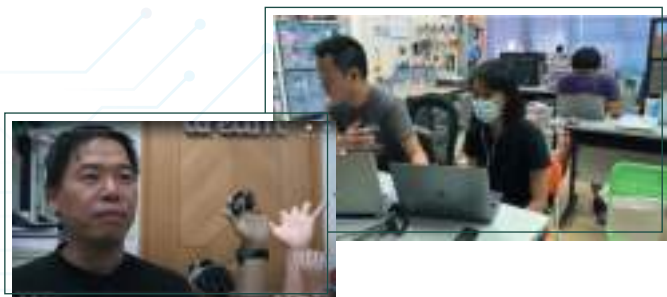
SVIC Final Showcase



One of the winners getting the Most Innovative Idea Award of Innovate For Future 2019 Competition (IFF2019) -ADHDreamer has been invited to be the finalist of Silicon Valley Innovation Challenge (SVIC) Showcase 2020 through San Jose State University (SJSU) global program. The school team pitched their innovative idea and showcased their creativity to industry leaders, investors and recruiters on Dec 1, 2020.

Congratulations to the ADHDreamer Team from St. Paul's Convent School, who was among hundreds of submitted university teams, won the Best Overall Innovation #2, and Best Healthcare Innovation Award in SVIC Finalist Showcase 2020. The ADHDreamer team developed a mobile app which helps ADHD kids to improve their focus / attention through playing games.

Youth Training Workshops



HKETA Youth has collaborated with different academic and industry partners to organize technology related workshops and trainings, including:

- Hackathon & Training Online Workshop in September, with Mr. Calvin Lau from Lingnan University to deploy design thinking workshops.
- Guest Interviews on social innovations, with Mr. Mike Li, the founder of 3D printed Prosthetics. The training video was prepared by our Youth Member, Ms. Maria Leung and Ms Christy Wong.
- Training Video on Cybersecurity, prepared by Mr. Calvin Kam, Leader of AI Club.
- Online Webinar: “Technologies Shaping a Better Life at Smart Offices and Smart Schools” was held in December, inviting Mr. Henry Leung, HID Global and Mr. George Wong, Armada International Limited to share the latest smart card technology.

NICE Conference and Expo



Our HKETA Youth Member, Mr. Calvin Kam presented together with Dr. Alan Wong, Director, Silicon Valley Center for Global Studies (SVC GS), San Jose State University, at NICE K12 cybersecurity education conference on Dec 8 3PM (US time). Most attendants are with K12 education backgrounds and over 100 participants joined his session. SVC GS collaborates with HKETA to incorporate cybersecurity awareness concepts into “Innovate For Future”, a smart-city themed competition targeting K-12 students in this “FinTech Hub” city. Participants are coached in cybersecurity awareness and incorporate such concepts into their innovative entries. Our IFF2020 competition will involve prototyping, such as computer vision and artificial intelligence applications. The co-presenter described the incorporation of cyber awareness into the ideation and technical training workshops.

Youth Plan for 2021

Hub for Youth on AI Research For Social Impact

The challenges facing our world today have grown more complex and technology is placing an important role in supporting the Sustainable Development Goals (SDGs). Artificial intelligence (AI) and machine learning (ML) have achieved high-profile successes to solve many global problems in health, aging and climate changes.

In 2021, HKETA Youth will continue to support more AI research projects under our newly formed AI Club,

led by our Youth Member, Mr. Calvin Kam. We believe Artificial intelligence can make a great social impact for building a smarter city.

We believe “Every Challenge Is An Opportunity”. HKETA Youth will continue acting as a platform for young people, focusing on innovation, technology, and entrepreneurship. We are currently recruiting energetic youth members. Join us!

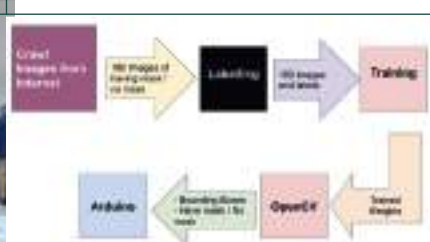


Technology Innovation with Artificial Intelligence

How Artificial Intelligence meets with Innovation to solve social problems

Artificial Intelligence (AI) is becoming more popular nowadays. The usage varies from beating the top human player in Go chess game (AlphaGo) to assisting medical diagnoses to find out early signs and trauma locations. With such fascinating aspects, people are wondering: can AI help fight some social problems? This year, we are working with students to undergo a series of research and development. Not only they can learn the latest technologies such as coding and AI, but also to identify the social problems around us and use the latest tools to tackle them.

AI Mask Detection



The first project we have done is AI mask detection. In the era of widespread epidemic, wearing a face mask becomes mandatory for protecting yourself and people around. We have come up with an application that automatically detects if a person is wearing a face mask. Object detection - a branch of vision AI that detects the presence of objects in a picture, is being used in the project. In order to teach “AI” what a face mask is, hundreds of images of people with / without face masks were collected from the Internet. Then they were annotated, which is a process of labour work to mark the region of face mask, before passing to the training process. Finally the result of the training, namely the weight, can be used to identify the face masks. The result is satisfactory, and students exhibited their creativity in warning people without the face mask, such as playing loud music to them.

AI Detection for Ocean Pollution

The second project involves ocean pollution. Garbage washing down to the ocean will be entangled under the seabed or floating on top, endangering the sea animals and the corals. Currently the discovery and the cleaning up of the debris relies on the regular divers or volunteers' reports. To automate the process, robots can be employed to auto-detect the garbage and even can collect them using nets. To empower the robot, AI is trained with pictures of the common garbage found in the ocean, such as plastic bags, aluminium cans and fishing nets. Students have gathered over 200 pictures and annotated them to teach AI. During the process, students learnt how the data quality affects the accuracy of the detection AI. Multiple rounds of data collection and training have been conducted to achieve the best results.

AI For Medical Usage

The third project is related to the medical usage. In hospitals, instrument counting is crucial before and after the operations lest they are left inside the patients' body. Currently before they are sterilized or after use, staff have to check them manually and repeatedly (hundred thousand times per year!). The goal of making it robust and efficient makes us come up with a smarter system. Again we applied object detection to find out the existence of the surgical instruments. In such cases, we can identify which instruments are on the tray, and their quantity. This was a challenging task as there were not enough training pictures. We utilize our colleagues and students to take pictures of the instruments, label them and even produce more datasets by data augmentation. From this project, we can learn that AI is just like a child, without good data it can go wrong.

The use of AI changes and improves our lives, if we can use it wisely to solve the current difficult problems. Previously due to the limitation of manpower, social problems such as protection from the epidemic and ocean pollution cannot be well addressed. Due to the advancement of technology, AI made them possible to be solved in an easy, sustainable and efficient way. We can foresee that the involvement of AI would be increased drastically, in even broader disciplines. Therefore students are encouraged to learn such new things, not only to keep up to the latest trends, but also to equip knowledge and skill sets that are utterly useful in their future.

Calvin Kam

Software Engineer, Blueinno Technology Limited
PhD Candidate, Dept. of Computer Science and Engineering, CUHK
Youth Sub-com Member of HKETA

Email: calvin@blueinnotechonology.com



Smart City Applications for Social Innovation



As a technological driven organization, HKETA youth members are constantly looking for opportunities to apply their skillset to the society. While only focusing on the technical side, the social aspect is equally important for the development and sustainability of innovation projects. In this year, our HKETA Youth Sub-com flagship program - Innovate for Future 2020 introduces the idea of social innovation to participants. In the pursuit of smart cities and a better future, the human factors should never be overlooked.



What is social innovation

Social innovations are new social practices that aim to meet social needs in a better way than the existing solutions, including but not limited to topics such as education, community development or health. These ideas are created with the goal of extending and strengthening civil society. Social innovation includes the social processes of innovation which have a social purpose or benefit such as open source method, virtual volunteering and distance learning. There are many definitions of social innovation, however, they usually include the broad criteria about social objectives with a multidisciplinary approach such as united nation sustainable development goals (SDGs)

Benny Cheung

Engineer II, The Hongkong Electric Company Limited
Youth Sub-com Member of HKETA

Email: bennycheungwl@gmail.com

Application of social innovation in a municipal area

With creativity and proper skill sets, teenagers are capable to handle complex social problems and propose proper solutions:

- **Smart Toilets** which can monitor health and detect potential disease seem to only exist in the fiction world. One of the IFF2019 participants proposed the idea by analyzing images of human feces characteristic, including the color, shape and texture. The proposal also considers privacy issues, therefore only providing local storage and access to sensitive information while providing useful information towards the user. A prototype was also been constructed and showcased in IFF2019 with the help of mentors and various supporting partners.
- **Wildfire Detection** with camera-based systems can reduce the cost for system maintenance while providing real-time monitoring to large areas. Early detection of wildfire can greatly reduce the response effort and minimize the damage toward public safety. The system also enables detection towards intentional fires caused by human activities. The system also protects our green spaces in sub-urban/rural areas which reduce the potential environmental cost.
- **Online Tutorial Platforms** offer opportunities for low income families to receive tutorial services from college graduates. Students who enjoy the service can raise questions without physical boundaries. The format of the question is not limited to pure text. Graphics and drawing also enable users to have a deeper understanding of academic content. With increasing network connectivity throughout the metropolitan area, students can enjoy greater flexibility in learning with different knowledge bases accessible on their mobile devices.

Human as the main factor

Traditional engineering approaches often focus on technological limitation and capability. With social factors in mind and outgrowing smart city infrastructure, new generations can create and innovate to a greater extent and cultivate a people-friendly human-centric society.

2020 創新科技論壇

2020 Symposium on Innovation & Technology

The Symposium on Innovation & Technology, jointly organized by the Hong Kong Trade Development Council (HKTDC) and Hong Kong Electronics & Technologies Association (HKETA), has become the signature event of HKTDC's Electronics Fair (Autumn Edition). In 2019, there were around 1000 participants from around the world attending the Symposium in person. Because of the pandemic this year, the 2020 Symposium was held in a virtual/webinar format on 16 November 2020. The theme of the Symposium is "A New Connected World Beyond the New Normal", with talks centering on how pivoting technology help combat the pandemic and create a better post pandemic world. We are happy to report that there were over 1200 registrations for the Symposium, with over 1000 attendees listening during the morning and afternoon sessions. Since this was a webinar which allowed online playback, we have received 5000+ click views from 39 countries and regions recorded as of to date.

Our Guest of Honour was Mr. Alfred Sit Wing Hang, Secretary for Innovation and Technology who gave the opening address. This was followed by the morning session with 4 speakers. Mr. Marcos Chow, Partner and Head of Technology Enablement, KPMG China, started by sharing his insight from "2020 CEO Outlook COVID-19 Special Edition", a study his team conducted by interviewing 1300 CEOs in January-February and 315 CEOs in July-August to learn how they cope with the new reality. The second speaker was Mr. Ricky Wong Wai Kay, Vice Chairman and CEO of Hong Kong Television Network Limited. A renowned entrepreneur in Hong Kong, Mr. Wong discussed how he developed his HKTV Mall from an online TV shopping system into a highly successful digital ecosystem with global footprint. The third speaker was Dr. Adam Drobot, member of the U.S. Federal Communications Commission Technological Advisory Council (FCC TAC) and Co-Chair of the Working Group on Artificial Intelligence and Computing. Dr. Drobot gave a 2020 update of the status of Digital Transformation (DX), Internet of Things (IoT), and Next Generation Communications (Beyond 5G), which he called the Technology Trifecta. The fourth speaker was Professor Yuen Kwok-yung, Henry Fok Professor in Infectious Diseases and Chair of Infectious Diseases, Department of Microbiology, the University of Hong Kong. As a well-known microbiologist in Hong Kong, Professor Yuen's talk covered the topic of Covid-19 virus -- its biological structure and worldwide approaches for prevention and cure of the disease.

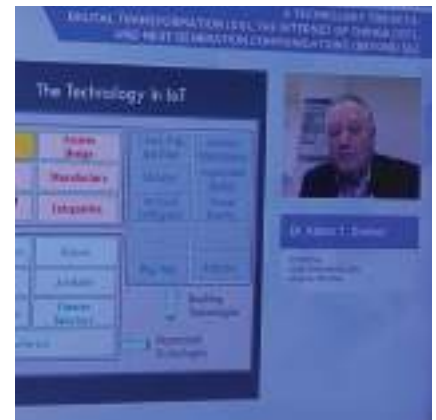
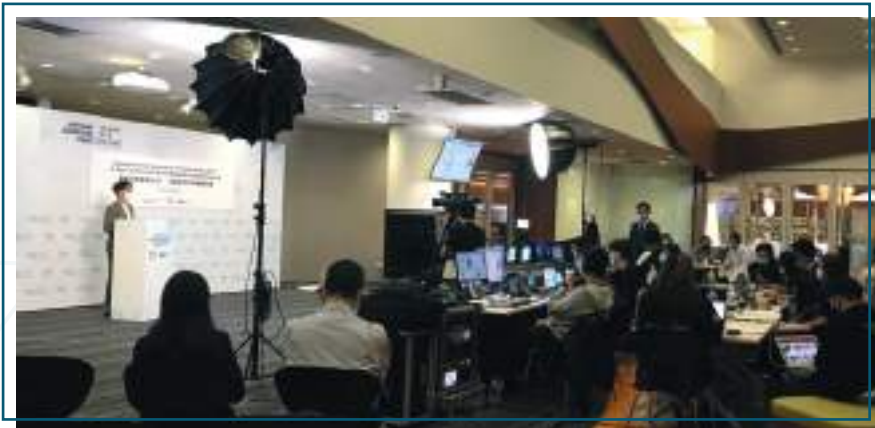
The morning session was followed by a panel discussion with the speakers and panelists, moderated by Dr. Nim Cheung, Chair of the Symposium organizing committee. We were honoured by the presence of Ir Dr Hon Lo Wai-kwok, Legislative Councilor (Engineering), and Mr Charles Mok, Honorary President, Hong Kong Information Technology Federation, who expressed their view on how the public should cope with the pandemic and its aftermath.

The afternoon session included 5 speakers. The first talk was given by Mr. Timothy Tam, Head of Government Affairs and Public Policy at Google's Hong Kong Office. Mr. Tam presented highlights of Google's 2020 white paper entitled "Smarter Digital City Journey – AI for Everyone". The second talk entitled "Reimagining the Customer Experience" was given by Mr. Olivier Klein, Amazon Web Services' Lead Technologist, Asia-Pacific, AWS Solutions Architecture. Mr. Klein described how AWS enables customer innovation in the 4 areas of rapid experimentation, demarcation, focus on what matters, and scale ideas quickly. The third speaker was Professor Ray Liu, 2021 IEEE President-Elect, Founder, Origin Wireless AI, and Distinguished University Professor and Distinguished Scholar-Teacher, University of Maryland at College Park. Using the technique of time-reversal invariance on WiFi and 5G propagation, Professor Liu's team was able to keep track of locations and tiny movements to high accuracy, resulting in a new "Sixth Sense" for deciphering our world. The last talk in the afternoon, entitled "2020: (En)vision Higher Education beyond COVID-19", was given by Dr. Ruth Huard, Dean, College of Professional & Global Education, and Dr. Alan Wong, Director, Silicon Valley Center for Global Studies, both at San Jose State University. The 2 speakers described how they addressed the pandemic head-on and took steps to bring education activities back to normal in their school and other institutions nearby.

In summary, although COVID-19 forced the 2020 edition of the Symposium to go virtual, HKTDC and HKETA were able to produce a highly successful webinar with a much larger no. of attendees than the previous editions held physically in the HKCEC Theatre. The video recording of the 2020 Symposium is available at <https://asw.hktdc.com/en/intelligence-hub>.

2020 創新科技論壇

2020 Symposium on Innovation & Technology



AUTUMN SOURCING WEEK ONLINE 秋季採購週 網上展

TODAY'S EVENT 是日活動
10:30 - 16:00

Symposium on Innovation & Technology 2020
創新科技論壇2020

A New Connected World Beyond the New Normal
互聯新世界 跨越新常态

Supporting Organizers 支援主辦機構

HKTDC | ETA | SME Centre 中小企服務中心



會員名錄

List of Members

A&A Solution (China) Ltd



Name of Representative: Alan Yeung
Position Held: Technical Director
Telephone: 9190 5419
Email: alan@asolution.com.hk

Office Address:
Flat 27, 9/F, Block B Proficient Industrial Center,
6 Wang Kun Road, Kowloon Bay, Hong Kong

Website: <https://www.aasolution.com.hk/>

Year of Establishment: 2013

Products/Services:

Drives, motors, automation solution

Major Markets: Automation and Robots

Ackuis Technology Limited



Name of Representative: George Kui
Position Held: Director
Telephone: +852-2890 5581
Mobile: +852-9535 8084
Email: info@ackuis.com

Office Address:

Unit 232, 2/F, Building 16W, No. 16 Science Park West Avenue,
Hong Kong Science Park, Phase 3, Shatin, N.T.

Website: <http://ackuis.com>

Year of Establishment: 2012

Products/Services:

Ackuis Technology Limited focuses on improving the technology for industrial automation, to change the way manufacturing companies operate, improve quality, enhance productivity and increase efficiency.

Our solutions include industrial data acquisition and control systems to equip industries with facilities to gather and process data, and perform controlled actions right from a centralized location. This is a complete and industrially integrated infrastructure with data communication throughout manufacturing operations. By leveraging machine vision technology, our system provides quality inspection to detect and remove product defects, identify component measurement and misplacement.

Major Markets: Hong Kong, China, Asia Pacific

高新材料企業有限公司 Advanced Materials Enterprises Co. Ltd.



Name of Representative: Ms Jessica Chua
Position Held: CEO
Telephone: 2436 3341
Fax: 2436 5959
Email: jessica.chua@ames.hk

Name of Representative: Dr Yeung Wing Yiu
Position Held: Founder & CTO
Telephone: 2436 3342
Fax: 2436 5959
Email: wy.yeung@ames.hk

Office Address:

Unit 2-3, 12/F, Block B, Vigor Ind. Bldg.,
14-20 Cheung Tat Road, Tsing Yi, N.T.

Website: www.ames.hk

Year of Establishment: 2006

Products/Services:

Nano Technology,
Energy Efficient Heating Product & Health Products

Major Markets: Europe, USA, China & Asia

Agile8 Consulting Limited



Name of Representative: Mr Kevin Moore
Position Held: Chief Executive Officer
Telephone: 2185 7679
Mobile: 9177 1342
Email: kevin.moore@agile8consulting.com

Office Address:

Wing Lok Trade Centre, 235 Wing Lok Street,
Sheung Wan, Hong Kong

Website: www.coolnomix.com

Year of Establishment: 2005

Products/Services:

COOLNOMIX® energy-saving products for
air-conditioning and refrigeration.

Major Markets: Worldwide

Alphotonics Limited



Name of Representative: Dr Nim Cheung
Position Held: Managing Director
Telephone: 3618 7677
Fax: 3103 8829
Email: nimcheung@aiphotonics.ai

Office Address:
 Room 616, Building 12W, Phase 3,
 Hong Kong Science Park, Shatin. N.T.
Website: <https://www.aasolution.com.hk/>
Year of Establishment: March, 2018
Products/Services:
 Photonics & Artificial Intelligence Products
Major Markets: Asia Pacific

雅高思先進科技有限公司 Akos Advanced Technology Limited



Name of Representative: Dr Teresa Law
Position Held: Managing Director

Office Address:
 Unit 542, 5/F, Enterprise Place, No.5 Science Park,
 Shatin, N.T., Hong Kong Science Park West Avenue, Hong Kong
Website: <http://www.akos.com.hk>
Year of Establishment: 2002
Products/Services:
 NANOX Air Purifier, Indoor Environment Analyzer
Major Markets: Global

峰創意有限公司 ALP Creation Company Limited



Name of Representative: Ms Connie Wong
Position Held: Director
Telephone: +852-2885 2855
Fax: +852-2885 2109
Email: group@alpcreation.com

Office Address:
 Unit 1808, 18/F, Tower A, Regent Centre,
 63 Wo Yi Hop Road, Kwai Chung, N.T., Hong Kong
Website: www.alpcreation.com
Year of Establishment: 2013
Products/Services:
 ALP is an established premium gift company in providing
 "ONE STOP" service, from design to manufacture of high quality
 innovative premium gifts and products. We offer various products,
 creative and innovative designs, high quality control systems as
 well as excellent follow up service, especially in handbags.
Major Markets: Hong Kong, Europe, US, China

Alpha Power Solutions Limited

Name of Representative: Mr Chau Wing Chong Tony
Position Held: CEO
Telephone: +852-2122 6009
Fax: +852-3909 3668
Email: contact@alpha-powers.com

Office Address:
 Unit 611, 6/F Building 12W, Phase 3,
 Hong Kong Science Park, Pak Shek Kok, Tai Po, Hong Kong
Website: www.alpha-powers.com
Year of Establishment: 2017
Products/Services:
 Si & SiC Power Devices
Major Markets: China

會員名錄

List of Members

萬迅科技
Armitage Technologies Limited 

Name of Representative: Mr Alvin Lee
Position Held: CEO
Telephone: 2950 0388
Fax: 2950 9698
Email: alvinlee@armitage.com.hk

Office Address:
10/F., Everwin Centre, 72 Hung To Road, KwunTong
Website: www.armitage.com.hk

Year of Establishment: 1972

Products/Services:
Sales of Armitage's proprietary and third party application including: Mobile APP, Online Shop, CRM, ERP, Fleet Management, Asset Management, Internet of Things and AI solutions. Provision of system development and integration, implementation, project management, system maintenance, software testing services, IT insourcing/outsourcing services and Big Data Analytics.

Major Markets: Hong Kong and PRD

Axis Communications Limited

Name of Representative: Mr Phil Luk Siu Cheung
Position Held: Sales Engineer
Telephone: 2598 3006
Email: phil.luk@axis.com

Office Address:
Unit 3506-10, 35/F, Manhattan Place,
No. 23 Wang Tai Road, Kowloon Bay

Website: https://www.axis.com/

Year of Establishment: 1984

Products/Services:
Network camera surveillance solutions

Major Markets: Hong Kong & Macau

BBPOS Limited



Name of Representative: Ms Gloria Chan
Position Held: Marketing Communications Manager
Telephone: 3158 2585
Email: gloria.chan@bbpos.com

Website: www.bbpos.com
Year of Establishment: 2008

Products/Services:
Mobile payment, solution and device

Major Markets: Asia, Africa, Europe, Latin America

宏志半導體有限公司
Binary Semiconductor Company Limited



Name of Representative: Mr Li Kwei Chung
Position Held: Director
Telephone: +852-3460 3631
Fax: +852-3460 3729
Email: stapler@binarysemi.com.hk

Office Address:
Unit 1015, 10/F., Building 19W, No. 19 Science Park West Avenue,
Hong Kong Science Park, Pak Shek Kok, N.T., Hong Kong.

Year of Establishment: 2019

Products/Services:
IC Design

Major Markets: China, Taiwan, Russia

BISA Technologies (Hong Kong) Limited

Name of Representative: Mr Allan Hui
Position Held: Managing Director
Telephone: +852-2423 0600
Email: allanwhui@yahoo.com

Office Address:
 Unit 315 Trans Asia Center,
 18 Kin Hong St., Kwai Chung, Hong Kong

Website: www.bisahealth.com

Year of Establishment: 2003

Products/Services:
 IOT products/solutions for industrial and medical.

Major Markets: Europe, Korea, North America, Hong Kong

Blueinno Technology Limited



Name of Representative: Ms Monica Leung
Position Held: Founder & CEO
Telephone: +852-5540 5257
Email: contact@blueinnotechnology.com

Office Address:
 Room 906, 9/F, Summit Insurance Building,
 789 Nathan Road, Prince Edward, Kowloon, Hong Kong

Website: blueinnotechnology.com

Year of Establishment: 2016

Products/Services:
 Training, Computer Vision, AI Consultancy & Solution

CEPREI (Hong Kong) Calibration And Testing Centre Limited

Name of Representative: Mr Luo Zhiman
Position Held: Deputy Manager
Telephone: 2668 0871
Fax: 2668 6197
Email: luozhiman@ceprei.com.hk

Office Address:
 G/F2, Cambridge Plaza,
 No. 188 San Wan Road, Sheungshui, N.T., Hong Kong, China

Website: http://www.ceprei-cal.com/

Year of Establishment: 2002

Products/Services:
 Calibration Services

Major Markets: Hong Kong

廠商會檢定中心 CMA Testing and Certification Laboratories



Name of Representative: Mr Dominic Lam
Position Held: Chief Operations Officer
Telephone: +852-2698 8198
Fax: +852-2695 4177
Email: info@cmatesting.org

Office Address:
 Rm. 1302, Yan Hing Ctr.
 9-13 Wong Chuk Yeung St., Fotan, Shatin, N.T., Hong Kong

Website: http://www.cmatesting.org

Year of Establishment: 1979

Products/Services:
 VDE CB, EMC, R&TTE (RED), FCC, IC, RSS, WEEE, RoHS and REACH, CE, ASTM and more for electrical and electronic products

Other Services:
 Inspection & Factory Audit, Certification, Testing on diversified products: toys, textiles & garments, materials, chemicals, food & food contact articles, furniture, cosmetics, pharmaceutical products, environmental and more.

會員名錄

List of Members

Contex Digital / Express Luck (Asia) Limited

Name of Representative: Mr Danny Lau

Position Held: Project Manager

Telephone: 2187 1321

Mobile: 9840 1061

Fax: 2120 5555

Email: danny.lau@contex.com.hk

Office Address:

新蒲崗爵祿街33A百勝工廠大廈D座6樓D2室

Website: <https://contex.com.hk>

Year of Establishment: 2016

Products:

LED TV, Commercial Display Panel,
Digital Kiosk, LED Wall, Video Wall

Services:

Equipment Rental, Installation, Graphic Design, Video Production

Major Markets: ASIAN

Cwlinux Limited

Cwlinux

Name of Representative: Mr Andrew Ip

Position Held: Managing Director

Telephone: +852-2863 9490

Fax: +852-2863 9599

Email: aip@cwlinux.com

Office Address:

Unit 138, 13/F, Weswick Commercial Building,
147-151 Queen's Road East, Wan Chai, Hong Kong, China

Website: <http://www.cwlinux.com>

Year of Establishment: 2001

Products/Services:

Cwlinux helps customers from design,
implement to manufacturing.

Major Markets: America, Asia and Europe

香港專業教育學院 (沙田) 工程系 Department of Engineering, IVE(Sha Tin)



Name of Representative: Ir Paco Tang

Position Held: Head of Department 系主任

Telephone: +852-2256 7500

Fax: +852-2601 2200

Email: st-eng@vtc.edu.hk

Office Address:

Hong Kong Institute of Vocational Education (Sha Tin) Room 506,
21 Yuen Wo Road, Shatin, New Territories, Hong Kong

Website: <http://st-eng.vtc.edu.hk>

Year of Establishment: 1986

Products/Services:

Offers higher technician and technician programmes in full-time
as well as part-time modes with specialization in
"Computer & Electronic Engineering",
"Building Services Engineering" and
"Architectural Technology and Design" streams.

Major Markets: Hong Kong

鷹翅知產有限公司 EAGLE IP LIMITED



Name of Representative: Dr Jacqueline Lui

Position Held: President

Telephone: +852-8101 4006

Fax: +852-8202 4006

Email: eip@eipgroup.asia

Office Address:

Rm 509, Global Gateway Tower,
63 Wing Hong Street, Lai Chi Kok, Hong Kong

Website: www.eipgroup.asia

Year of Establishment: 2005

Products/Services:

Professional Service: IP strategy counselling; global patent
portfolio development and management; patent drafting, filing,
prosecution, maintenance, enforcement, and licensing;
IP due diligence; patentability opinions.

Major Markets: Worldwide

Full Charter Limited

Name of Representative: Mr Benny Lo
Position Held: Director
Telephone: +852-2682 4406
Fax: +852-2419 2394
Email: info@fullcharter.com.hk

Office Address:
G/F, No 7A On Tsuen Street, Fanling, N.T., HK
Website: <http://full-charter.com>
Year of Establishment: 2002
Products/Services:
Exhibition Solutions
Major Markets: Hong Kong & Southeast Asia

環球資源 Global Sources

環球資源
global sources

Name of Representative: Mr Sam Hui
Position Held: General Manager
Telephone: +852-2814 5600
Fax: +852-2580 7988
Email: samhui@globalsources.com

Office Address:
30th Floor, 41 Heung Yip Road, Wong Chuk Hang, Hong Kong
Website: www.globalsources.com
Year of Establishment: 1971
Products/Services:
Specialized online marketplaces,
Trade shows and Sourcing Magazines
Major Markets: Global

Green Breeze Ltd



Name of Representative: Dr Paul KO
Telephone: +852 3488 7384
Email: paulko@gbt.com.hk

Office Address:
Unit 2302, 23/F New World Tower, 18 Queen's Road, Central
Website: cmd-adv.com
Year of Establishment: 2015
Products/Services:
Environmental Technology Development and Consultancy
Major Markets: Global

Group Sense Limited

Name of Representative: Mr Kazuhiro Otani
Position Held: Executive Director
Telephone: 2832 8268

Office Address:
Units 13-24, 2/F, Sino Ind Plaza,
9 Kai Cheung Road, Kowloon Bay, Kowloon
Website: www.gsl.com.hk
Year of Establishment: 1988
Products/Services:
ODM, EMS, OEM, and touch panel module assembly
Major Markets: Japan, Europe, China

會員名錄

List of Members

Healthloc (Branch of Pink Amoeba Ltd)

Name of Representative: Mr Timothy Wong
Position Held: Director
Telephone: 9684 7090
Email: tim@mintywebs.com

Office Address:
 No. 747 Tai Kei Lang, Yuen Long
Year of Establishment: 2017
Products/Services: Healthcare
Major Markets: Local

Heng Yep International Wealth Management Limited



Name of Representative: So Kit Man, Irene
Position Held: CEO
Telephone: 2521 3368
Mobile: 9718 1886
Fax: 2537 6551
Email: irene.so@hengyep.com

Office Address:
 Room 1202, 12/F, Tung Ming Building,
 40-42 Des Voeux Road Central, Hong Kong
Website: www.hengyep.com
Year of Establishment: 1st April, 2005
Products/Services:
 Annuity, Life insurance, Medical, GI & MPF etc.
Major Markets: Hong Kong, China

香港應用科技研究院 Hong Kong Applied Science and Technology Research Institute (ASTRI)

Name of Representative: Ms Priscilla Yeung
Position Held: Director, Commercialization Client Development
Telephone: +852-3406 0280
Fax: +852-3406 2801
Email: priscillayeung@astri.org

Office Address:
 5/F Photonics Center, 2 Science Park East Ave,
 Hong Kong Science Park, Shatin, Hong Kong
Website: www.astri.org

Products/Services:
 The Artificial Intelligence and Big Data Analytics (AIBD) Research and Development (R&D) Department conducts the applied research on artificial intelligence and big data covering the theoretic foundations (on data processing, computational models, and reasoning mechanism), system capabilities (including sensors getting data, network exchanging data, and interaction with people), and application domain technologies to solve the real world problems. We align our R&D effort with the core competency groups accordingly – from data processing (distributed, edge IoT, blockchain), to computational models (consensus, high performance, quantum computing), to intelligence (analytics, cognitive, linguistics). We provide technology platform, solution, design, and development services so that our partners and customers can focus on their core businesses.
Major Markets: Hong Kong, Mainland China

HKT Limited



Name of Representative: Mr Peter Lam
Position Held: MD, Engineering
Telephone: 2883 8238
Fax: 2741 7193
Email: peter.wc.lam@pccw.com

Website: http://www.hkt.com
Products/Services:
 Fixed-line, broadband, mobile communication and media entertainment services offer a unique quadruple-play experience. HKT meets the needs of the Hong Kong public and local and international businesses with a wide range of services including local telephony, local data and broadband, international telecommunications, mobile, media entertainment, enterprise solutions and other telecommunications businesses such as customer premises equipment sales, outsourcing, consulting and contact centers.
Major Markets: Hong Kong and Global market

汽車零部件研究及發展中心

Hong Kong Productivity Council -Automotive Parts and Accessory Systems R&D Centre (APAS)

Name of Representative: Dr Lawrence Cheung
Position Held: CEO
Telephone: +852-2788 5333
Fax: +852-2788 5406
Email: apas_info@hkpc.org

Office Address:
 4/F, HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong
Website: www.apas.hk

Year of Establishment: 2006

Products/Services:
 APAS undertakes R&D programmes as well as commercializing R&D results in collaboration with industry, universities and technology institutes for the development of the Automotive industry.

Major Markets: Hong Kong and China

HID Global



Name of Representative: Mr George Wong
Position Held: Regional Sales Manager
Telephone: 9130 6159
Mobile: 3160 4809
Email: gwong@hidglobal.com

Office Address:
 19/F, 625 King's Road, North Point, Hong Kong
Website: https://www.hidglobal.com

Year of Establishment: 1991

Products/Services:
 Door Access Controls, Smart Cards, Card Printers, Smart Card Readers and Fingerprint Scanners
Major Markets: Government and Enterprises

The Hong Kong Research Institute Of Textiles And Apparel Limited



Name of Representative: Mr Edwin Keh
Position Held: CEO
Telephone: 2627 0180 (General)
Fax: 2364 2727
Email: info@hkrita.com

Office Address:
 R906, Shirley Chan Building,
 The Hong Kong Polytechnic University, Hung Hom, Hong Kong
Website: http://www.hkrita.com/

Year of Establishment: 2006

Products/Services: R&D service

Hong Kong X'Tals Limited



Name of Representative: Mr Lee Kam Hung, Arthur
Position Held: CEO & Chairman
Telephone: +852-3511 2388
Fax: 3511 2420
Email: inquiry@hongkongcrystal.com

Office Address:
 Unit C, 24/F., Shield Industrial Centre,
 84-92 Chai Wan Kok Street, Tsuen Wan, N.T., Hong Kong

Factory Address:
 A-02 Taixiang Road, High-tech Industrial Park,
 Sandong Town, Huicheng District Huizhou City

Year of Establishment: 1989

Products/Services:
 Electronic/Frequency control products, quartz crystals, oscillators, PCBA matching service.

Testing and production equipment for quartz crystals and oscillators

Major Markets: Worldwide

Others:
 IATF16949:2016, ISO 14001:2015, ISO 9001:2015, OHSAS 18001:2007

會員名錄

List of Members

IngDan Technology (Hong Kong) Limited



Name of Representative: Ms Novam Ng
Position Held: Marketing Director
Telephone: (+86) 0755-26743210
Email: enquiry.hk@cogobuy.com

Office Address:

11/F Microsoft Comtech Tower, No. 55 Goaxin South 9th Road,
Nanshan District, Shenzhen, China
中國深圳市南山區高新科技園 高新南九道55號微軟科通大廈11樓

Website: <http://ingdan.com/>

Year of Establishment: 2015

Products/Services:

A subsidiary of Cogobuy Group (0400.HK), the technology service company focusing on serving global chip industry and artificial intelligence ("AI") and internet of things ("IoT", together "AIoT") ecosystem. IngDan, is the leading IoT and AI+ innovation platform, linking entrepreneurs from around the world to connect with the rich manufacturing resources in China and the global innovation ecosystem.

Major Markets: Worldwide

集成 – 聯科科技有限公司 Integration-Linkage Technology Limited



Name of Representative: Mr Myron Kwan
Position Held: Managing Director
Telephone: +852-2790 3616
Fax: +852-2950 9503
Email: sales@integration-linkage.com

Office Address:

Unit 1&3, 20/F, Aitken Vanson Centre,
61 Hoi Yuen Road, Kwun Tong, Hong Kong

Website: <http://www.integration-linkage.com>

Year of Establishment: 1994

Products/Services:

Offer embedded software and I.C

Major Markets:

Toys and Games, Interactive Education Products,
Robotics, Consumer Electronics and Digital Audio/Video Products.

Intertek Testing Services Hong Kong Limited



Name of Representative: Mr Jason Ho
Position Held: Vice President, Electrical
Telephone: +852-2173 8888
Email: hkg.marketing@intertek.com

Office Address:

2/F Garment Centre, 576 Castle Peak Road,
Kowloon, Hong Kong SAR, China

Website: www.intertek.com.hk

Year of Establishment: 1973 (Hong Kong)

Products/Services: About Intertek

Intertek is a leading Total Quality Assurance provider to industries worldwide. Our network of more than 1,000 laboratories and offices and over 46,000 people in more than 100 countries, delivers innovative and bespoke Assurance, Testing, Inspection and Certification solutions for our customers' operations and supply chains. Intertek Total Quality Assurance expertise, delivered consistently with precision, pace and passion, enabling our customers to power ahead safely.

- **Assurance:** Enabling our customers to identify and mitigate the intrinsic risk in their operations, supply chain and business processes
- **Testing:** Evaluating how our customers' products and services meet and exceed quality, safety, sustainability and performance standards
- **Inspection:** Validating the specifications, value and safety of our customers' raw materials, products and assets
- **Certification:** Formally confirming that our customers' products and services meet all trusted external and internal standards

Iotena Technology Limited

Name of Representative: Mr Eric Chan
Position Held: CEO
Telephone: 3104 4518
Fax: 3104 5008
Email: eric.chan@iotena.com

Office Address:

Room 601, 6/F, Kwai Cheong Centre,
No. 50 Kwai Cheong Road, Kwai Hin, N.T., Hong Kong

Website: www.iotena.com

Year of Establishment: 2019

Products/Services:

Lighting Fixture, Wireless Air Quality Sensor
and Wireless Air Purifier

Major Markets:

APAC, China, Oceania, Hong Kong, Macau, Middle East

富創技術有限公司
iSolution Technologies Limited  **iSolution**

Name of Representative: 蔡劍誠先生 Mr Victor Choi
Position Held: Managing Director
Telephone: +852-3520 3933
Fax: +852-3520 3903
Email: inquiry@ist.com.hk

Office Address:
Unit 08, 30/F., Skyline Tower,
39 Wang Kwong Road, Kowloon Bay, Kowloon, Hong Kong

Production Plant Address:
R&D Center at 12F, Fangda Bld., 12th South Keji Road,
High-Tech Industrial Park, Shenzhen
深圳市南山區高新科技園南區高新南十二道方大大廈12樓

Website: <http://www.ist.com.hk>

Year of Establishment: 2005

Products/Services:

1. Specialize in hardware & software development to both Audio & Video products;
2. One-stop all service for ODM manufacturing according to customer specification;
3. Provide both standard and custom embedded software MCU development on consumer electronics

Major Markets: Europe, Japan, China, domestic & ASEAN.

K.Science Limited

Name of Representative: Dr K K Chan
Email: k.k.chan@hkpx.org

Office Address:
九龍官塘偉業街偉業大廈10樓B6 171號

Products/Services:
Lighting Products and solutions

Major Markets: China, Local

Kingsford Far East Limited

Name of Representative: Ms Teresa Li
Telephone: 2348 0433
Email: teresa@kingsfordfe.com

Office Address:
Unit 06B, 38/F., Cable TV Tower,
9 Hoi Shing Road, Tsuen Wan, N.T.

樂傳訊有限公司
L Concept Communications Limited

Name of Representative: Ms Katie Lam
Position Held: Director
Telephone: 3564 8606
Fax: 3702 0309
Email: Katie@Lconcepthk.com

Office Address:
Rm1101, 11/F, CRE Centre,
No. 889 Cheung Sha Wan Road, Lai Chi Kok, Kowloon
Website: <http://www.LConceptHK.com>

Year of Establishment: 2014

Products/Services:
PR and Marketing, KOL and Media relations, Event Management
Major Markets: Hong Kong

會員名錄

List of Members

LHS Health Management Group Ltd

Name of Representative: Mr Herbert Lau
Position Held: Director
Telephone: 9090 0945
Email: atsjan@hotmail.com

Office Address:
 Rm 1, 9/F. Wing Hang Ind Bldg., 13-29 Kwai Hei St., Kwai Chung
Website: www.amrevita.com
Year of Establishment: 2015
Products/Services: Health Products and Rehab Treatment
Major Markets: Hong Kong, Macau, China, USA and Canada

樂域實業有限公司 Lomak Industrial Co., Ltd.



Name of Representative: Dr Lo Chi Wai, James Ph.D.
Position Held: CEO
Telephone: +852-2756 8680
Fax: +852-2750 6670
Email: lomak@lomak.com

Office Address:
 14/F, Phase 1, Leader Industrial Centre,
 188-202 Texaco Road, Tsuen Wan, N.T.
Website: www.lomak.com
Year of Establishment: 1976
Products/Services:
 Sensor Magnifying Mirror 感應倍鏡;
 Smart LED Lighting 智能照明;
 Optical Beauty Device 光學應用;
 Light Therapy System 醫學美療;
Major Markets: U.S.A., Europe, Canada and Japan

Longke Industrial (Asia) Limited

Name of Representative: Mr Ting Ming Hing
Position Held: Director
Telephone: 6766 2667
Email: factory@longke.hk

Office Address:
 22/F Lever Centre
Website: www.lkmlcd.com
Products/Services:
 LED lighting products
Major Markets: China, local, Asia

物流及供應鏈多元技術研發中心 Logistics and Supply Chain MultiTech R&D Centre



Name of Representative: Mr Simon Wong
Position Held: CEO
Telephone: 3973 6200
Email: info@lscm.hk

Office Address:
 Level 11, Cyberport 2, 100 Cyberport Road, Hong Kong
Website: http://www.lscm.hk

Medical Technologies Limited

Name of Representative: Mr Nikan Mak
Position Held: Assistant GM
Telephone: 2570 1118
Email: nikanmak@desonmedical.com

Office Address:
 11/F., Nanyang Plaza, 57 Hug To Road, Kwun Tong, Kowloon

Website: www.desonmedical.com

Year of Establishment: 1988

Products/Services:
 Air purifier, VR rehabilitation product

Major Markets: Local

萬信電子科技有限公司 Megasoft Limited



Name of Representative: Ms Janny Tsai
Position Held: Assistant Marketing Manager
Telephone: 2144 2006
Fax: 3999 4399
Email: jannytsai@myndar.com

Office Address:
 Unit 301-302, 3/F, Building 12W,
 No. 12 Science Park West Avenue, Hong Kong Science Park,
 Shatin, New Territories, Hong Kong

Website: www.myndar.com

Year of Establishment: 2008

Products/Services:
 Internet of Things (IoT) Solutions for Jewelry & Retail Industry,
 Healthcare Industry and Critical Logistics & Security Industry.
 The patented technologies consisted of IoT devices, automation,
 cloud platforms, big data analysis (BI) and artificial intelligence
 (AI) etc.

Major Markets: Hong Kong, Asia, Europe and USA

捷訊電腦科技有限公司 Micom Tech Limited



Name of Representative: Mr Manuel Kwong
Position Held: Managing Director
Telephone: +852-2838 3138
Mobile: +852-2838 3062
Email: marketing@micomtech.com.hk

Office Address:
 Unit H, 9/F, MG Tower, 133 Hoi Bun Road, Kowloon, Hong Kong.

Website: http://www.micomtech.com.hk

Year of Establishment: 1981

Products/Services:
 Provide electronics, embedded software, iOS & Android Apps
 solutions of Internet of Thing, Smart City System, Smart Home
 Solution, consumer product, home appliances, health care
 products and toys & games.

Major Markets: U.S.A., Europe and Japan

Mobicon Holdings Limited



Name of Representative: Dr Measure Hung
Position Held: Chairman
Telephone: 2397 6628
Fax: 2397 8187
Email: info@mobicon.com

Office Address:
 7/F, New Trend Centre,
 704 Prince Edward Road East, San Po Kong, Kln.

Website: www.mobicon.com

Year of Establishment: 1983

Products/Services:
 electronic components, automation, equipment,
 computer and mobile accessories

Major Markets: HK, China, East Asia, Europe, South Africa

會員名錄

List of Members

美好電子有限公司
Musical Electronics Limited



Name of Representative: Mr Christopher Tse
Position Held: Managing Director
Telephone: +852-2341 9281
Fax: +852-2341 9964
Email: marketing@musical.com.hk

Office Address:
Flat H,J,K, 12/F., World Tech Centre,
95 How Ming Street, Kwun Tong, Kowloon, Hong Kong

Website: www.musical.com.hk

Year of Establishment: Oct 1976

Products/Services:

Musical is principally engaged in the design, development, manufacture and sale of consumer electronic products on both ODM and OEM basis.

Major Markets: North America and Europe

**Nano and Advanced Materials
Institute Limited**



Name of Representative: Dr Tracy Liu
Position Held: Director of Research and Development (Electronics)
Telephone: 3511 3461
Fax: 3543 1005
Email: bizdev@nami.org.hk

Office Address:
Unit 510, 515-518 & 708-709, 5/F Lakeside 1,
No. 8 Science Park West Avenue, Hong Kong Science Park,
Shatin, N.T., H.K.

Website: www.nami.org.hk

Year of Establishment: 2006

Products/Services:

Nanotechnology and advanced materials in: Construction, Electronics, Energy, Environmental and Healthcare.

Major Markets: Hong Kong and China

**NVIDIA AI Technology Center –
Hong Kong and Macau**



Name of Representative: Mr Samuel Lo
Position Held: General Manager
Telephone: 9863 8388
Mobile: 2210 7087
Email: samuell@nvidia.com

Office Address:
3/F, Harbour View 1, No.12 Science Park East Avenue,
Hong Kong Science Park, N.T., HK

Website: www.nvidia.com

Year of Establishment: 1993 in Santa Clara, US

Products/Services:

Graphics Processing Unit (GPU) and Artificial Intelligence (AI)

Major Markets:

Gaming, Professional Visualization, Datacenter and Automotive

Open Text (Hong Kong) Ltd



Name of Representative: Mr Leo Yeung
Position Held: VP Sales, Business Network, Asia Pacific
Telephone: +852-2884 6088
Email: lyeung@opentext.com

Office Address:
Room 1609, 16/F, China Resources Building,
26 Harbour Road, Wanchai, Hong Kong

Website: <https://businessnetwork.opentext.com/>

Year of Establishment: 1991

Products/Services:

Application-to-Application integration, B2B Managed Services, Business Network Cloud Platform, EDI, invoicing with Compliance, IoT Access Management, Order Management P2P Cloud Platform, Supply Chain Analytics

Major Markets:

Hong Kong, China, Singapore, Malaysia, Thailand, Indonesia, Vietnam, India, Australia, New Zealand, UK, US & Canada, EMEA

粒子創投加速器

Particle Accelerator Limited



Name of Representative: Mr Mingles Tsoi

Position Held: CXO

Email: info@particlex.com

Office Address:

10/F, MassMutal Tower, 33 Lockhart Road, Wanchai, Hong Kong

Website: www.particlex.com

Year of Establishment: 2017

Products/Services:

ParticleX is a start-up accelerator headquartered in Shenzhen that focuses on the latest technology trends. ParticleX brings together early-staged capital, market expertise, research capabilities and talents to foster a strong and vibrant start-up ecosystem. Utilizing the distinct geographical advantages of Hong Kong and Shenzhen, ParticleX aims to help propagate the region's entrepreneurial leadership and influence to a whole new level.

Major Markets: Global Market

Power World Company

Name of Representative: Mr Ching Yin Lam, Jimmy

Position Held: Marketing Manager

Email: lcyjimmy@yahoo.com.hk

Office Address:

Rm1001B, 10/F, Witty Commercial Building,

1A-1L Tung Choi Street, Mongkok, Kowloon

Website: http://www.waleslam.com

Year of Establishment: 2004

Products/Services:

Trading & I.T. Products

Major Markets: China, Hong Kong

卓越培訓發展中心(電子業)

Pro-Act Training and Development Centre (Electronics)



The centre provides vocational education and training with module accumulation program for youths from secondary three to six to equip students with both vocational and generic skills and knowledge for employments in the areas of electronics, telecommunications, surveillance, security, computer, entertainment and digital systems. Graduates from diploma in vocation education may choose to further studies or start careers as technicians; engineering assistants; customer servicing, marketing and procurement technical supports in technologies and electronics related high-value added industrial economy. The centre also supports training needs in various sectors like Institutes of Vocational Education, government departments, undergraduate trainings of university, corporations and industrial practitioners through short or tailor made courses.

Name of Representative: Mr Lee Kin Sang Timothy

Position Held: Manager-in-charge

Telephone: +852-2751 5860

Fax: +852- 2756 8804

Email: timkslee@vtc.edu.hk

Office Address:

Room 608, 6/F, Kowloon Bay Training Centre Complex,

46 Tai Yip Street, Kowloon Bay, Hong Kong

Website: http://www.ectc.vtc.edu.hk

Year of Establishment: 1984

Products/Services:

Vocational Education and Training

Major Markets: Hong Kong

滉達實業有限公司

Qualiman Industrial Co. Ltd. / Qualiman Technology & Products Co Ltd.



Name of Representative: Mr Peter Lau

Position Held: Managing Director

Telephone: 2595 2000

Fax: 2898 7664

Email: cs.enquiry@qualiman.com.hk

Office Address:

19C, TML Tower, 3 Hoi Shing Road, Tsuen Wan, N.T.

Processing Plant Address:

Xin Mei Toys Factory:

Guang Dong Sheng, Nan Hai Shi, Guan Yan Zhen,

Yong An Gong Ye Qu

新美玩具廠: 中國廣東省南海市官窑鎮永安工業區

Website: http://www.qualiman.com.hk

Year of Establishment: 1996

Products/Services:

Products:

Electronic Toys, Plastic Hard Toys, Soft Stuffed Toys and Action Figures TV Game Peripheral, USB Peripheral Manufacturer

Services:

Original Equipment Manufacturing (OEM) / Original Design Manufacturing (ODM) RoHS Compliance since 2006 In-house X-ray Fluorescence Spectrometer (XRF)

Manufacturing Process:

- Prototyping & Mold Making
- Plastics Process: Injection molding, Rotational casting, Blow molding
- Decoration Process: Spray printing, Tampo printing, Hot-stamping, Silk-screen printing
- Electronics Assembly: Bonding, Surface Mount Technology (SMT), Reflow Soldering, Wave Soldering
- Sewing Operation:
- General Assembly and Packing

Major Markets: US, Europe

會員名錄

List of Members

志聯電業有限公司 Ray Electronics Industries Limited



Name of Representative: 簡亮秋先生 Mr Henry Kan
Position Held: Managing Director
Telephone: +852-2341 1378
Fax: +852-2341 9684
Email: rayelec@biznetvigator.com

Office Address:
15/F., Ray Center 88 Hung To Road,
Kwun Tong, Hong Kong SAR, China

Production Plant Address:
Block 3, 4th Floor, RiLiang Technology Park,
103 Waijing Industrial Area, Buji, ShenZhen, China

Website: <http://www.rayelec.com/>

Year of Establishment: 1969

Products/Services:
Electronics Components, Electronics Accessories,
i-POD, i-PHONE, PDA

Major Markets: Worldwide

REC Green Technologies Co Ltd

Name of Representative: Ms Carmen Wong
Position Held: General Manager
Telephone: +852- 2619 8988
Email: carmenwong@rec-eng.com

Office Address:
Unit A-D, 15/F, Goodman Kwai Chung Logistics Centre,
585-609 Castle Peak road, Kwai Chung

Website: <http://www.rec-gt.com>

Year of Establishment: 2011

Products/Services:
iFCU - Intelligent Fan Coil Unit, EOS - Energy Optimization Solution

Major Markets: Local, China

The Refined Industry Company Ltd.



Name of Representative: Mr Simon Wong Siu Fai
Position Held: Managing Director
Telephone: 2698 0811
Fax: 2691 2510
Email: swong@refined-ind.com /dchu@refined-ind.com

Office Address:
7/F, Sun King Factory Bldg., 1-7 Shing Chuen Rd., Shatin, N.T., H.K.

Website: <http://www.refined-ind.com>

Year of Establishment: 1972 March

Products/Services:
Plastic & Electronic toys, Digital Camera, Optical Products, Tape
Recorders, High Frequency Camera, Optical Products, Tape
Recorders, High Frequency Transformers, Digital Voice Recording
Products, Power Transformers, Industry grade PCB Assembly.

Major Markets: USA, Europe

Remotec Technology Limited



Name of Representative: Mr Daniel Chun
Position Held: General Manager
Telephone: 2314 0330
Fax: 2314 1006
Email: daniel_chun@remotec.com.hk
Skype: @djychun
Twitter: @djychun

Office Address:
9/F., Sing Shun Centre, No. 495 Castle Peak Rd,
Lai Chi Kok, Kowloon, Hong Kong

Website: www.remotec.com.hk

Year of Establishment: 1990

Products/Services:
ODM/OEM in Smart remote controls, Home Automation products,
MCU solutions and Infrared code library for IoT products, Solution
provider and supply chain management for Smart homes and
Smart IoT Things.

Major Markets: Worldwide with distribution channel

Ricacorp Properties Ltd

Name of Representative: Mr Dennis Tam
Position Held: Associate Director
Telephone: 3103 5520
Fax: 2573 7975
Email: dennistam@ricacorp.com

Office Address:
B/F, Centre Point, 181-185 Gloucester Road, Wanchai, Hong Kong
Website: www.ricacorp.com
Year of Establishment: 1981
Products/Services:
Property Agency Service
Major Markets: Hong Kong

Rohde & Schwarz Hong Kong Limited



Name of Representative: Mr Frank Wong
Position Held: Managing Director (Hong Kong, Macau, Taiwan)
Telephone: +852-2264 3788
Fax: +852-2264 3699
Email: info.rshk@rohde-schwarz.com

Office Address:
Unit 105-107, Wireless Centre, Hong Kong Science Park,
Shatin, N.T. Hong Kong
Website: www.rohde-schwarz.hk
On line Shop: <http://shop.rohde-schwarz.com/hk/>
Year of Establishment: July 2006
Products/Services:
Signal Generator, Signal & Spectrum Analyzer, EMC Receiver, TV
Transmitter and Test System, Radiomonitoring System and Air
Traffic Control System Test & Measurement, Broadcast & Media,
Secure Communications, Monitoring and Network Testing,
Cybersecurity
Major Markets: Hong Kong and Macau

RST Cloud (HK) Limited

Name of Representative: Mr Kelvin Lau
Position Held: Director
Telephone: 2832 3165
Email: kelvin.lau@rstcloud.com.hk

Website: www.rstcloud.com.hk
Products/Services:
Mobile Application Developer
Major Markets: Asia

新科實業有限公司 SAE Magnetics (H.K.) Ltd.



Name of Representative: Mr KF Ng
Position Held: Sr. Manager
Telephone: +852-2612 8888
Fax: +852-2480 4757
Email: kfng@sae.com.hk

Office Address:
SAE Technology Center, 6 Science Park East Avenue,
Hong Kong Science Park, Shatin, N.T., Hong Kong
Production Plant Address:
Winnerway Industrial Area, Nancheng, Dongguan City,
Guangdong Province, 523087, PRC
中國廣東省東莞市南城宏遠工業區郵編523087
Website: <http://www.sae.com.hk>
Year of Establishment: 1980
Products/Services:
Magnetic Recording Heads, OCC & Photonic Packaging and
Microelectronic Assemblies
Major Markets: U.S.A., Japan and Singapore

會員名錄

List of Members

Sanwa BioTech Limited



Name of Representative: Mr Kelvin Chiu
Position Held: CEO
Telephone: +852-2698 9903
Fax: +852-2927 6060

Office Address:
 Unit 2, 5/F., Wah Lai Industrial Centre,
 10-14 Kwei Tei Street, Fo Tan, Hong Kong SAR, CHINA

Science Park Address:
 Unit 627, 6/F, BioTech Centre Two,
 No.11 Science Park West Avenue, Hong Kong Science Park,
 Shatin, Hong Kong SAR, CHINA

Website: <http://sanwabiotech.com/>

Year of Establishment: 2012

Products/Services:
 Sanwa Biotech provides diagnostic solutions based on our microfluidic disposable Lab-On-Chip (LOC) platform, including integrative point of care device, reagents, software analytics & data management service, which brings convenience and value in diseases monitoring and supports clinical decisions, improves patients' health and contributes to innovative solution that overcomes challenges on global health care.

Major Markets: Worldwide

三和科技有限公司 Sanwa Technologies Ltd.



Name of Representative: Mr William Yim
Position Held: President
Telephone: +852-2927 6018
Fax: +852-2927 6060
Email: sanwa@sanwatechnologies.com

Office Address:
 Unit 5, 5/F., Wah Lai Industrial Centre,
 10-14 Kwei Tei Street, Fo Tan, Hong Kong.

PRC Office Address: Dongguan Office

Website: <http://www.sanwatechnologies.com>

Year of Establishment: 1991

Products/Services:
 Microjoining, Laser Micromachining, Printed Electronics

Major Markets:
 Hong Kong, India and other Southeast Asian countries

Simpson Marine Yacht Charter Ltd.



Name of Representative: Ms May Choi
Position Held: Charter Sales Manager - Hong Kong
Telephone: +852-6128 2603
Email: may.choi@simpsonyachtcharter.com

Office Address:
 Unit 6, G/F, Aberdeen Marina Tower, 8 Shum Wan Road,
 Aberdeen, Hong Kong

Website: www.simpsonyachtcharter.com

Year of Establishment: 1984

Products/Services:
 Yacht Sales, Yacht Management, Yacht Charter

Major Markets: Asia

香港通用檢測認證有限公司 SGS Hong Kong Limited



Name of Representative: Ms Candy Lau
Telephone: +852-2334 4481
Fax: +852-2144 7001
Email: Candy.Lau@sgs.com

Office Address:
 5/F & 8/F, Manhattan Centre,
 8 Kwai Cheong Road, Kwai Chung, NT, HK
 香港新界葵涌葵昌路8號萬泰中心5樓及8樓

Website: <http://www.sgsgroup.com.hk>

Year of Establishment: 1959

Products/Services:
 Testing, Certification, Inspection and Training services on electrical and electronics products

Major Markets: Worldwide

SG Wireless Limited



Name of Representative: Dr Ken Wong
Position Held: Chief Technology Officer
Telephone: 2407 3761
Fax: 2407 4998
Email: sales@sgwireless.com

Office Address:
 Unit 4, 5/F Sun Fung Industrial Building 8 Ma Kok Street,
 Tsuen Wan New Territories, Hong Kong, China

Website: www.sgwireless.com

Year of Establishment: 2018

Products/Services:

As a true full stack IoT solutions provider, SG Wireless offers design, development, manufacturing and everything in between. Apart from IoT services, we also offer certified ready-made products including modules, gateways and sensors. We are a one-stop shop to help accelerate customers' IoT journey from concept development to a finished product for any IoT application markets: connected homes, smart factories, automated lighting, transport and logistics IoT, etc.

Major Markets: Worldwide (in particular US, Europe)

Signify Hong Kong Limited



Name of Representative: Mr Wong Hoi Tung
Position Held: Marketing Manager
Telephone: 2360 1628
Fax: 2861 0568
Email: hoi.tung.wong@signify.com

Office Address:
 20/F, Tower 2, Phase 1, Enterprise Square,
 No.9 Sheung Yuet Road, Kowloon

Website: www.signify.com

Year of Establishment: 2001

Products/Services:

Manufacturer & Wholesaler of Lighting Products

Major Markets: Hong Kong

Sino-Pro Limited

Name of Representative: Mr Fred Lung
Telephone: +852-2840 1012
Email: fred.lung@sinopro ltd.com

Office Address:
 14B Gold Shine Tower, 346 Queen's Road Central

Sino Innovation Laboratory Limited



Name of Representative: Ir Andrew Young
Position Held: Associate Director (Innovation)
Telephone: +852-2132 8101
Email: innolab@sino.com

Office Address:
 12/F, Tsim Sha Tsui Centre, Salisbury Road,
 Tsim Sha Tsui, Kowloon, Hong Kong

Website: http://sinoinnolab.com

Year of Establishment: 2018

Products/Services:

A sandbox platform to support start-ups, inventors and technology companies from Hong Kong and overseas to develop PropTech solutions

Major Markets: HK & GBA

會員名錄

List of Members

SLL International Limited / Scanwell

Name of Representative: Mr Irvin Tse
Telephone: 2796 0678
Email: irvintse@scanwell.com

Office Address:
Unit 606, Block B, Po Lung Center,
11 Wang Chiu Road, Kowloon Bay

Website: www.sll.hk

Year of Establishment: 2013

Products/Services:

Logistics and trade operative support

Major Markets: North America and Asia Pacific

Suffice Industrial Technology Limited



Name of Representative: Mr Tony Wong
Position Held: Managing Director
Telephone: +852 2343 7563
Fax: +852 2797 8115
Email: mail@suffice.com.hk

Office Address:
Unit 812-816, 8/F, C-Bons International Centre,
108 Wai Yip Street, Kwun Tong, Kln., Hong Kong

Website: www.suffice-group.com

Year of Establishment: 1986

Products/Services:

Corporation in Agency & Distribution of Electronics, Semiconductors, Sensors and Wireless, Industrial, Electromechanical, Building and Lighting Components

Major Markets:

Hong Kong, Mainland China and Asian-Pacific region

信佳國際集團有限公司 Suga International Holdings Limited



Name of Representative: Dr C.H. Ng
Position Held: 主席兼董事總經理 Chairman & Managing Director
Telephone: +852-2953 0383
Fax: +852-2953 0393
Email: sugagen@suga.com.hk

Office Address:
22/F., Tower B, Billion Centre, 1 Wang Kwong Road,
Kowloon Bay, Kowloon, Hong Kong
香港九龍灣宏光道1號億京中心B座22樓

Processing Plant Address:
Suga High-tech Industrial Park in Qing Xi, Dongguan
東莞市清溪鎮信佳高新科技產業園

Website: http://www.suga.com.hk

Year of Establishment: 1991

Products/Services:

SUGA is mainly engaged in the research and development, manufacturing and sale of electronic products, including pet electronic devices, professional audio equipment, digital A/V products, interactive educational products, Wi-Fi and RF products, telecommunication products, consumer electronic products, smart cards and NFC-enabled products. SUGA also strives to build an innovative pet ecosystem by IoT technology and provide pet owners with a wide range of products and services and provide a community for pet owners.

信佳主要從事電子產品研發、製造及銷售。產品包括寵物電子產品、專業音響設備、電子影音產品、互動教育產品、無線網絡及射頻產品、電訊產品、消費電子產品、智能卡和備有近場通訊功能的產品等。信佳致力通過應用IoT科技，建立一個創新的寵物生態系統，為寵物主人提供各式寵物相關產品及服務，以及為寵物主人提供社交平台。

Major Markets: US, Japan, Europe, Asia Pacific and the Mainland China etc.

Business Categories: Manufacturer 製造商

Sunraydiant (Hong Kong) Company Limited

Name of Representative: Mr Raymond Li
Position Held: Director
Telephone: 9176 8464
Fax: 2707 9993
Email: rli@sunraydiant.com

Office Address:
F166, The Capital,
61-65 Chatham Road South, Tsim Sha Tsui, Kowloon

Website: www.sunraydiant.com

Year of Establishment: 2006

Products/Services:

Smart Home/Smart Living Solutions
Logistic Systems/Palletising Systems
Scientific Measurement Systems
Wood/Flooring Products

Major Markets: China, Hong Kong

TesTime Limited

Name of Representative: Mr Eleph Kwong
Position Held: Director
Telephone: 6993 7113
Email: eleph@TesTime.com

Office Address:
2/F, Dorset House, 979 King's Road, Hong Kong
Website: www.TesTime.com
Year of Establishment: 2008
Products/Services:
Mobile device and network certifications
Major Markets: Worldwide

TÜV Rheinland Hong Kong Limited



Name of Representative: Mr Ben Yu
Position Held: Senior Program Manager
Telephone: 2192 1589
Fax: 2192 1028
Email: ben.yu@tuv.com

Office Address:
3-4, 11/F., Fou Wah Industrial Building,
10-16 Pun Shan Street, Tsuen Wan, N.T., Hong Kong
Website: www.tuv.com
Year of Establishment: 1988
Products/Services:
Testing, Inspection, consulting, certification
Major Markets: Various

優質管理顧問有限公司 TQM Consultants Co. Limited



Name of Representative: Ms Patricia Cheung
Position Held: Corporate Managing Director
Telephone: 2569 2883
Fax: 2569 0108
Email: info@tqm.com.hk

Office Address:
11/F, Lockhart Centre, 301-307 Lockhart Road, Wan Chai, HK
Website: <http://www.tqm.com.hk/>
Year of Establishment: 1994
Products/Services:
We offer a wide range of consultancy to organizations in the following areas:
Corporate Strategies
Management System
Process Improvement
Supply Chain Management
Safety Management
Energy Management
Award and Assessment
Training Services
Major Markets: International

UL 安全檢定國際有限公司 UL International Limited



Name of Representative: Ms Jessica Liu
Position Held: Sales Manager
Telephone: 2276 9000
Email: jessica.liu@ul.com

Office Address:
18/F., Delta House, 3 On Yiu Street, Shatin, N.T., Hong Kong
Website: ul.com
Year of Establishment: 1988
Products/Services:
Product Testing
Major Markets: Global

會員名錄

List of Members

Unitech Corporation Limited

Name of Representative: Mr Stephen Lo
Position Held: Director
Telephone: 6338 3992
Email: slo@unitech.hk

Office Address:
1/F., Eaton House, 380 Nathan Road, Jordan, Kowloon, Hong Kong
Website: www.unitech.hk

Year of Establishment: 2006

Products/Services:
Cloud System Development / Website /
Whatsapp Application Development
Major Markets: Education / Retail / Training

Valence Semiconductor Design Ltd.



Name of Representative: Mr Aaron Lai
Position Held: General Manager
Telephone: +852-3702 0251
Email: aaron.lai@valencetech.com

Office Address:
Unit 5, 1/F, Blk B, Tonic Industrial Centre,
19 Lam Hing Street, Kowloon Bay, Kowloon, Hong Kong
Website: www.valencetech.com

Year of Establishment: 1985

Products/Services:
IDH, specialize in hardware/ software, app & cloud development
in consumer electronic, home & industrial IoT, smart wearable
devices.

Major Markets: Global

Vitellic Technology (International) Limited



Name of Representative: Mr CM Tam
Position Held: CEO
Telephone: +852-2690 3531
Fax: +852-2690 3551
Email: cmtam@vitelic.com

Office Address:
Flat R, 11/F, Valiant Industrial Centre,
2-12 Au Pui Wan Street, Fo Tan, Shatin, N.T., Hong Kong
Website: www.vitelic.com

Year of Establishment: 2006

Products/Services:
Power MOSFET design and supply, Wafer Foundry Services,
Electronic solution / ASIC design for electronic applications,
Wafer Testing and Backend turn-key services, Smart Living
Products Supplier.

Major Markets:
China PRC, Taiwan, Hong Kong,
Indonesia, Turkey, Europe, America.

Winshine International Technology Co Ltd

Name of Representative: Mr P C Lau
Position Held: Project Manager
Telephone: +852- 2151 9779
Email: pclau@winshine.com.hk

Office Address:
Room 2, Block 2, 15/F, Nan Fung Ind City,
18 Tin Hau Road, Tuen Mun

Year of Establishment: 2004

Products/Services:
Embedded MCU Software/Hardware development
Major Markets: China, Japan, USA

Win Win Industrial Company Ltd

Name of Representative: Mr Patrick Fung
Position Held: Sales Manager
Telephone: 6131 1799
Fax: 2558 2287
Email: patrick.fung@winwinindustrial.com

Office Address:
7/F, Block C, Sea View Estate,
8 Watson Road, North Point, Hong Kong
Website: <https://www.hkroboratory.com/>
Year of Establishment: 2015

Products/Services:
Alpha Mini, Cruzr, Pepper, Nao
Major Markets: Hong Kong

ZTE (H.K.) LIMITED

ZTE Leading 5G Innovations

Name of Representative: Mr Mu Lin
Position Held: Technology Director
Telephone: 2519 8993
Fax: 2519 8986
Email: Mu.lin@zte.com.cn

Office Address:
Rm 1206-07, 12/F, Berkshire House,
25 Westlands Road, Quarry Bay, HK
Website: <http://www.zte.com.cn>
Year of Establishment: 2000

Products/Services:
5G, Fixed Network, Bearer Network, Cloud Computing,
Multi-Media, Core Network, Device
Major Markets: Hong Kong

CONTACT US 聯絡我們

香港電子科技商會 Hong Kong Electronics & Technologies Association

秘書處 Secretariat

香港九龍灣宏光道39號宏天廣場30樓8室
Unit 08, 30/F, Skyline Tower, 39 Wang Kwong Road
Kowloon Bay, Kowloon, Hong Kong

T: +852 5498 7817 | F: +852 3547 8017
E: admin@hketa.org.hk | www.hketa.org.hk



Website Home Page



Membership
Application Form

會員名錄

List of Members

List of Individual Members

Dr William Poon
Accgirl Ltd
william@williampoon.com

Mr Tat-wah Chan
AMASIC Design Co Ltd
twchan@amasic.com.hk

Dr Emily Chan
AP Infosense
emily.chan@apinfosense.com

Mr Derek Poon
Cathay United Bank Co, Ltd
derek.typhoon@gmail.com

Mr Benson Chan
C & Y Lawyers
bensonchan@lawyerscny.com

Mr John Leung
Dah Sing Bank
Hinkeng2011@gmail.com

Mr Henry Yau
DeLight Power Products Limited
henry@delightintl.com

Mr Charles Lau
Energy Saving Lighting Controller Ltd
charleslau@126.com

Dr Stephen Ho
Ferguson International
Freight Forwarders Limited
stephen_ho@acf.hk

Mr Jeffa Leung
Friend Label Creation Ltd
jeffa@friendlabel.com

Mr Yee-kiwok Hui
retire
huiyeeekwok1013@yahoo.com.hk

Mr Alvin Yeung
Ex Legislative Councillor
info@alvinyeung.com.hk

Mr Charles Mok
Ex Legislative Councillor
charlespmok@gmail.com

Mr K K Pong
Epitech Ltd. 香港泓科有限公司
dearkkpong@gmail.com

Mr Theodoric Chan
NTT Com Asia Ltd
theodoric.chan@global.ntt

Mr Wing Lam
NTT Com Asia Ltd
wing.lam@global.ntt

Dr Alfred Tse
Preface Academy Ltd
dr.alfredtse@gmail.com

Dr Ben Cheng
RMIT University,
Melbourne, Australia
iben.cheng@rmit.edu.au

Ms Idy Ho
Share Age Company Limited
idy.cwho@gmail.com

Mr C M Lai
Shun Hing Group
cmlaihk@gmail.com

Mr Wilson Au
The King's Optical Company
wilson@alliance-optics.com

Mr David Jim Chi Chung
Venti-Tech International
Environmental Service Co., Ltd
hkventitech@gmail.com

Youth Members

Mr Chris Tsui
HKUST/Mphil

Mr Benny Cheung
HKU/EEE

Mr Jack Cheng
PolyU/EIE

Mr Calvin Kam
HKCU/CS/PhD

Ms Rachel Lam
HKUST/Biotech

Mr Ricky Yeung
HKUST/BBA/ISOM

Ms Rachel Cheng
HKUST/BBA/GB

Mr Thomas Lee
HKUST/Science

Ms Emma Yeung
HKU/Account & Finance

Mr Alvis Yim
Jacobs University (Bremen)/EE

Mr Alaric Yim
Technical University of Dresden,
Germany

Mr Yu Yeung Cheung
Master/ HKUST

Ms King Yee Choi Heidi
HKUST

**Ms Kimberley
Vanessa Cheung**
Athlete

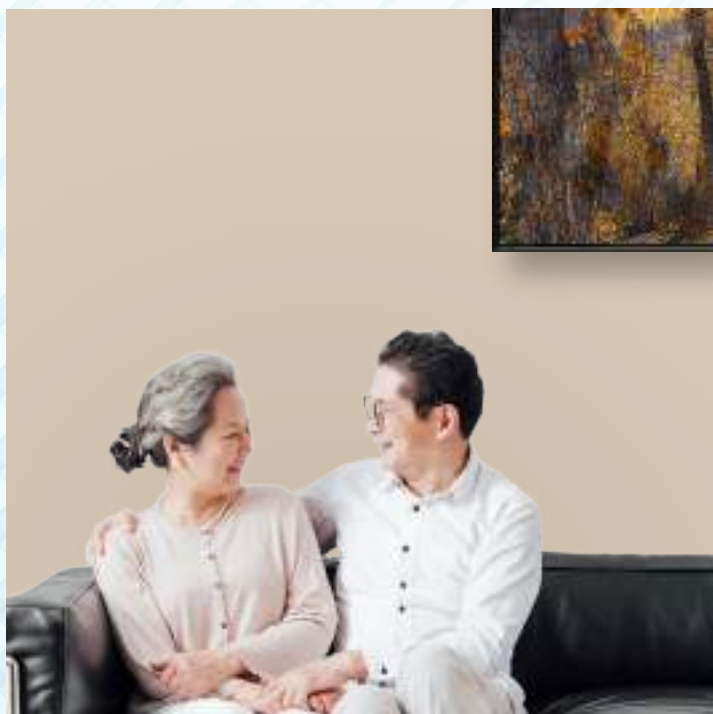
Ms Li Lok Yee Maria
Woman In Tech

Ms Wong Ka Ying Christy
HKUST

跌倒偵側雷達應用方案 - RadarSky Care



適合於各大院舍、醫療機構應用
私隱性高，可於浴室及廁所使用



美國及歐盟認證

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Wireless AI: Towards Smarter Wireless Sensing and Positioning

Dr. K. J. Ray Liu

2021 IEEE President Elect
Distinguished University Professor,
University of Maryland, College Park
Founder, Origin Wireless Inc.

Email: kjrlu@umd.edu

In the era of Internet of Things (IoT), billions of smart devices, household appliances, smart phones, sensors, security systems, vehicles and buildings are connected by radio frequency signals. With the ubiquitous deployment of wireless radio devices, it will be possible to measure and track virtually everything everywhere, and there is an increasing interest in knowing who, what, when, where, and how of everything happening in the surrounding environment with wireless technologies.

In fact, here when one refers to “wireless,” it is no longer in the narrow sense of communications. It has been for so long that we have been only concerned with the messages sent to us and have ignored that the radio signals actually contain rich information about our environment and activities. We try to remove interference, equalize the channel, decrypt the code, and decode the message. Yet we have ignored (or are simply unaware) that the radio signals come with them containing information about our environment and activities.

If we can make sense of the wireless/radio wave/signals, as if we are evolving to a new sixth sense that allows us to make sense of our environment, detect/monitor our activities, track and locate people and objects, it is in essence a new intelligence. The information analytics, signal processing, and machine learning that enable such a new intelligence constitute an emerging field of wireless artificial intelligence (AI).

Then how can we accomplish that vision? In recent years many approaches have been proposed by the research community attempting to unveil the secret. Here we would like to offer our view by combining the physical principle of time reversal, signal processing and information science to answer some difficult questions.

In wireless communications, when a signal emitted from a transmitter gets reflected or scattered by a scatterer, an attenuated copy of the original signal is generated and reaches the receiver through a different path. The phenomenon that a signal is received by two or more paths is well known as the multipath propagation. It has been a long time that people consider multipaths as interference, noise, or simply nuisance. Previous attempts have always been trying to take them out or at least to neutralize or compensate for their “bad” effects, but there has been too little

or no effect because the profiles of multipaths change from location to location, and how can one tell which multipath is a good one and which is not?

However, viewed from another perspective, the scatterers in the environment in fact act as virtual antennas/sensors that can be leveraged to offer some desirable outcomes. Just imagine that everyday human activities with motion and body movements affect wireless signal propagation surrounding us and thus change the channel profiles, and information about these activities is embedded in the signals. When signals get bounced back and forth by the scatterers, multiple “replicas” are generated, which contains enriched meaningful information about our activities. Each of such multipaths is in essence a degree of freedom naturally existing in our surrounding environment. They can be considered as tens or hundreds of virtual antennas ready to serve us on demand. In other words, our environment provides a high degree of freedom by means of radio multipath propagations, ready for our uses.

Now how do we harvest multipaths? Two approaches are by increasing power and bandwidth. The larger the transmitting power, the more radio waves can bounce back and forth around the environment, therefore the more observable number of multipaths. However, oftentimes such a transmitting power is limited by regulations or standards. The other means is to increase the bandwidth because the larger the bandwidth, the better the time resolution to reveal more multipaths.

Each of these multipaths is in essence a degree of freedom, ready for any use. But how can we control them to serve our purpose? As they are surrounding us virtually, we have to resort to the physics so that we can generate a waveform to reach out to “them” and control them to achieve the desired effect. One such physics is the principle of time reversal, where we use the time-reversal waveform to control the multipaths to generate the well-known focusing effect [1].

We have found that by using enough bandwidth in a typical indoor environment, such a focusing effect can be reliably produced. By using the 5 GHz ISM band, for example, we can produce a focusing ball of about 1–2 cm in diameter as shown in Fig. 1. This indicates that the multipath channel profile works as a unique and location-specific signature,

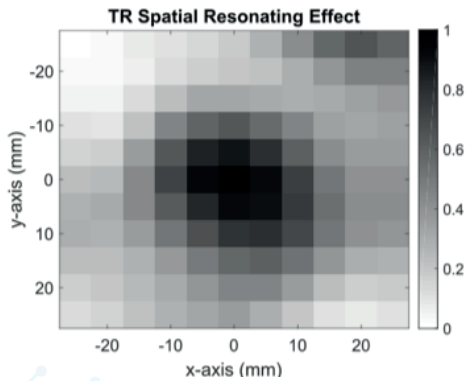


Fig.1: Illustration of spatial focusing effect

and the spatial focusing effect only happens when the channel can “match” the time-reversed waveform. Such an effect serves as the fundamental basis for us to implement an indoor positioning system with the unprecedented accuracy of a centimeter, under both line-of-sight (LOS) and non-line-of-sight (NLOS) conditions [2,3]. The pin-point locationing of time-reversal focusing effect regardless of any indoor conditions such as LOS and NLOS inherently implies that the notion of walls and obstacle no longer exists. It is as if there are no walls nor obstacles in the space.

Inspired by the spatial focusing effect, we further investigate the energy distribution of the focusing ball around its center. As shown in Fig. 2, with a large bandwidth, the energy distribution exhibits a location-independent property. This is because that with the large number of multipaths in indoors, the randomness of the received energy at different locations is averaged out. Based on the location-independent feature, we can estimate the moving distance of a device and implement a decimeter-accuracy real-time tracking system [4].

Due to the one-on-one mapping of a location and the corresponding multipath profile, one can imagine there is a time-reversal space, and every channel impulse response for a particular wireless propagation environment has a definite focusing ball location. Let one open a door to obtain an impulse response and then close the door to have another one. If one can tell both locations at the time-reversal space, then in essence one can tell if the door is open or closed. With this principle, one can further design various types of wireless AI techniques based on the multipath CSI. For example, an event detection system in indoor environments has been designed [5] by learning the CSI according to a training CSI database collected under different indoor events. Such a concept has been extended to recognize humans by developing radio human biometrics [6]. This is achievable because the human body contains over 70% water, and therefore each person can uniquely deflect/distort/absorb radio waves impinging on him in a unique way. Such a subtle difference allows us to distinguish different people.

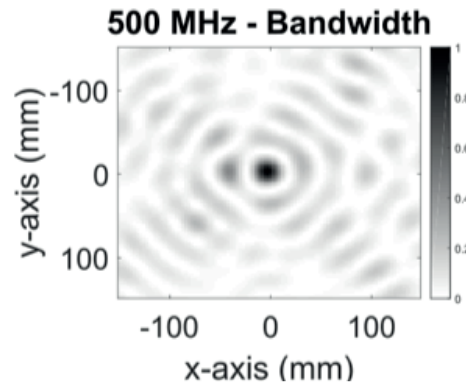


Fig.2: Energy distribution of the TR focusing effect with a 500 MHz bandwidth

By studying the time series of CSI collected during human breathing, we have shown that [7] even though breathing is a tiny motion, it embeds to the radio waves the periodic motion of chest movement, which can be used to estimate the breathing rate. Random motion is not periodic but can be detected as well. We have designed a very reliable motion detection system [8] by studying the correlation of the time series of CSI, because such correlation tends to be more obvious during a human motion, where the human body acts as a mass of uniformly-moving scatterers and thus has uniform impact on the CSI series. The speed of a motion can be further estimated [9] by investigating the changing pattern of the correlation of the CSI series.

To conclude, wireless AI techniques that decipher the radio waves to unveil the activities around us based on the wireless CSI have made many cutting-edge IoT applications envisioned for a long time but never achieved possible. With more powerful functionalities introduced by newer generation wireless standard, such as mmWave in IEEE 802.11ad/ay, we envision IoT as a revolutionary platform will continue changing our lifestyle and bring a brighter future.

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Stay Ahead of Your Future

李偉業先生
Mr Alvin LEE

ICT Sub-com Chair

The Evolving State of Digital Transformation

As the pandemic continues, entrepreneurs falter out of their past industrial norm and finding their companies' digital transformation more urgent than ever. The industries are increasingly focused on specific, digitally enables goals that will support their businesses' recovery. These goals include the large scale adoption of new working systems, as employees are working remotely – many for the first time; safeguarding their systems against cyber risks; honing their digital commerce and marketing capabilities; and, given the continued lockdowns and social distancing rules, increasing automation in operations and the supply chain.

The Grounding of 5G Leading to Infinite Project Cases in AI & IoT Technologies

Looking ahead in 2021 and beyond, digital acceleration definitely will go into overdrive as the global transformation pushed us faster, further, into the Data Age. 5G and edge computing will make an outsize contribution to organizations' success. The majority of data will pass through the cloud, and there will be billions of smart connected devices all over the world. As these data and our ability to analyze are escalating in a raving demand, businesses of all sizes will be forced to modify how they operate. With the government dedication on fostering an innovated and technology culture in the community, we are seeing more and more approved cases on Funding for various businesses in Hong Kong. Together with the grounding of 5G, the fast speed broadband will create more reliable infrastructure that unleash a new wave of innovative technologies we've yet to even invent. We anticipate new technologies with low latency linked to AI and IoT will contribute to create efficiency, increase production and even build carrying capacity. Without a doubt, technology will be the key to sustainability, and clearly it will be a part of our future.

POC Projects Propelled by Innovation Portals and Smart Labs

As OGCIO SOA-QPS 4 will expire by end of July 2021, we are well aware that SOA-QPS 5 is on its way for substitution. The good sign is that the Government has become much more open-minded to current trend to consider and adapt to local technological innovations. With the existence of OGCIO Smart labs and EMSD Inno-portal, we believe the future holds a very important place for POC projects and start-up companies to join this ecosystem.

The Prospect to Collaborate with Youth and Startup Sub-com in 2021

The cyber world holds much capacity for expansion and young technology staff is a much needed force for the Innovative Industry. In 2021, the ICT Subcom, the Youth and Startup Sub-com of the HKETA will intensify the foster of professional mentoring of young talents and early career engineers, and continues to cultivate their potential as future entrepreneurs in Hong Kong. The signing of a Strategic Partnership MoU between Lingnam University and HKETA is one of the solid testimony of such objective. Looking ahead, I am optimistic that HKETA will play an important role of bridging between new technologies incubated from the Universities and the commercial companies. With application of various Government funds, implementation of these new technologies and industrial partnership will also be practically achieved.

Staying ahead of the future, we anticipate Hong Kong's digital transformation to become one of the most significant determinants of competitive advantage as the inevitable global recovery journey continues.



香港電子科技商會每年都會熱心公益，希望可以回饋社會，但今年因為新冠肺炎肆虐，商會不能籌備很多探訪活動，但在會長的帶領和各位幹事及會員的幫助下，我們向主恩堂敬老之家捐助了18次，大約共五萬元的物資，包括消毒用品，口罩，空氣清新機，清新機濾芯和33套床上用品，包括床單，枕頭套和被套。

在中秋節的時候，我們還送上月餅去表達心意並希望各位老人家在疫情下都可以有一個快樂的中秋節。

商會寄望來年新冠肺炎疫情得以緩和，藉此可以舉辦多一些探訪活動，讓商會和會員可以繼續服務社會。

九龍主恩堂敬老之家是一間由李武凡牧師主辦，屹立大角嘴二十多年，經常收容無依及露宿長者的非牟利老人院。

2020 講座

Networking, Online and Offline talk in 2020



Nov Networking Sharing 2020

Motivation of the Startup & Way to Get Through during the Pandemic

Marcus Yeung
Chongtin Dishwash



