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INDUSTRY OVERVIEW

Electronic products occupy a prominent position in the import and export trade of Hong Kong, accounting for 68.3% of Hong Kong's total exports in 2018. According to HKTDC industry research, parts and components constitute about three quarters of Hong Kong's electronics exports, the majority of which are re-exported to the Chinese mainland for outward processing production.

68.3%
of Hong Kong's total exports in 2018

Capitalising on the opportunities presented by the development of the Greater Bay Area, most Hong Kong manufacturers have relocated their production facilities to the Chinese mainland to reduce cost. Their Hong Kong offices now focus mainly on R&D activities, product design and development, management, logistics support, marketing, etc.

INDUSTRY FUN FACTS

Global electronics wave: The old and the new

1990s:
personal computers
and the Internet

2000s:
smartphones

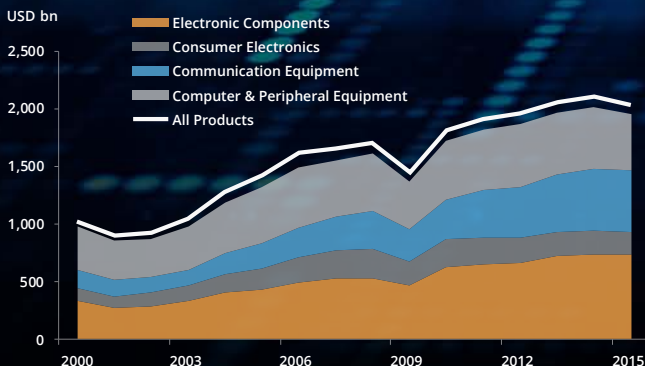
By 2020:
technological innovation, such as AI,
IoT, Big Data, the cloud, 3D printing



Source: Understanding China Electronics wave; the old and the new by DBS

Diverse demand for electronics components

The chart illustrated a wide range of global demand on traditional and non-traditional electronic products and software from 2000 to 2015.



Source:
Understanding
China Electronics
wave; the old and
the new by DBS /
UNCTAD, CEIC, DBS

Performance of Hong Kong's Exports of Electronics

Total Exports by Major Markets	2017		2018		Jan-Mar 2019	
	Share %	Growth %	Share %	Growth %	Share %	Growth %
Chinese mainland	63.1	+9.0	62.6	+9.8	59.2	-8.7
EU (28)	7.8	+7.9	8.3	+17.9	9.4	+14.8
Netherlands	2.0	+13.5	2.0	+11.4	2.1	+13.7
Germany	1.6	+9.9	1.6	+13.0	1.9	+9.4
ASEAN	6.4	+13.9	6.2	+7.3	7.3	+14.8
Singapore	1.5	+7.6	1.5	+14.5	2.0	+28.7
US	6.0	+2.9	6.2	+14.5	5.8	-9.8
Japan	2.7	+15.0	2.5	Negligible	2.7	-5.5

Source: HKTDC / Census and Statistics Department

PAIN POINTS OF THE INDUSTRY

Accelerated Innovation

- Rapid product innovation cycles and changing trends mean an increasingly complex manufacturing and New Product Introduction (NPI) process.

Rising Costs, Shrinking Margins

- Evolution to technology-intensive, capital-intensive and equipment-intensive production.

More Opportunities, More Challenges

- Despite new opportunities presented by the Greater Bay Area, Hong Kong manufacturers have to invest more in R&D and technological innovations to survive amid fierce global competition.

EVENT MISSION

- ▶ To support the development of a more innovative economy in Hong Kong, DBS BusinessClass hopes to create a vibrant and collaborative networking platform for Hong Kong business owners, SMEs and start-ups to share and exchange advice, insights and connections.

Through Electronics Disrupt, DBS BusinessClass will provide a holistic overview of the electronics industry, introduce innovative industry solutions and offer insights with the aim of enhancing the competitiveness of local companies and helping them grow.

DBS BusinessClass will also showcase the Bank's suite of innovative SME banking solutions and elaborate on how it provides banking support across the industry chain.

KEYNOTE SPEAKERS



Mr. Tsz-Wang Tam

*Hong Kong and Mainland China Telecom and Technology Analyst,
Group Research, DBS Bank (Hong Kong) Limited*

Mr. Tsz-Wang Tam is a Research Director of DBS Vickers (Hong Kong) Limited, and covers Hong Kong and Mainland China telecom and technology stocks. He joined DBS Vickers (Hong Kong) as an equity analyst in 2010.

Mr. Tam has been covering the telecom and technology sector in Hong Kong and Mainland China for more than 10 years. In 2015, he was ranked No. 1 in Asiamoney's Brokers Poll for Best Analyst for Telecom Services in Hong Kong and was StarMine's No. 1 Earnings Estimator in Telecom Services (Asia). Prior to joining DBS Vickers (Hong Kong), Mr. Tam worked as an analyst at Kim Eng Securities.

Mr. Tam graduated from the University of Hong Kong with a Master's degree in Economics.

Topic: US-China Tech War



Dr. Crystal Fok

*Associate Director, MPE Cluster & Robotics Platform,
Hong Kong Science and Technology Parks Corporation*

Dr. Crystal Fok is currently the Associate Director of the MPE Cluster & Robotics Platform at Hong Kong Science and Technology Parks Corporation (HKSTP). She is mainly responsible for the Artificial Intelligence and Robotics (A.I.R) initiative and related innovations.

Dr. Fok was previously a Manager at ASTRI and a Consultant at the Hong Kong Productivity Council. She received her Ph.D. degree in Mechanical and Automation Engineering from The Chinese University of Hong Kong.

**Topic: *How A.I.R. is Impacting
SMEs and Startups***



Ms. Dorothy Ho

Senior Manager, Enterprise Business, Samsung Electronics Co., Ltd

Ms. Dorothy Ho has over 20 years' experience in the telecommunications and IT industry. Previously, as regional sales manager at Blackberry, JABRA and JAMF Software, she specialised in business development in the Asia market including Hong Kong, Singapore, Korea and China. She also held other management positions at Jardine One Solution and 3HK where she played a key role in leading and developing enterprise solutions since 3G launch.

Currently, through collaborations with global partners and startup companies, Ms. Ho is helping enterprises transition to digital platforms where they can develop online marketplaces and ecosystems.

Topic: *5G and its Related Applications*

MACHINE DEMO

Presented by Technologies from Science Park

Industry Specialist:



Mr. Anvil Ng

*Senior Manager, Acceleration Programmes,
Hong Kong Science and Technology Parks Corporation*

Mr. Anvil Ng is currently the Senior Manager of the Hong Kong Science & Technology Parks Corporation (HKSTP). He is responsible for managing acceleratee accounts to help them grow into global companies. He has over 20 years of experience in R & D, IP, operation and business development. He was a serial entrepreneur, and the inventor of 9 patents in US and China. He joined Perception Digital Holdings Limited as founding member in 1999, which went public in 2011 (HKEx: 1822).

Featured Partners:



Dr. John Koo

*Director, Cyber-Physical Systems (CPS),
Hong Kong Applied Science and Technology Research Institute*

Dr. John Koo received his Ph.D. degree in Electrical Engineering from the University of California at Berkeley, USA, in 2000. He received the US National Science Foundation (NSF) CAREER Award in 2005 and the 2012 Distinguished Young Scientist Award of Scientific Chinese, the China Association for Science and Technology. He co-received the 2018 Hong Kong Awards for Industries: Equipment and Machinery Design Award.



Mr. Roy Lim

Vice President, Tung Hing Automation Investment Limited

Mr. Roy Lim is the Vice President of Tung Hing Automation Investment Ltd., which is the largest Mitsubishi automation product distributor in China. He founded L2F Inc., a robotics engineering house in USA which was acquired in Oct 2017 by Middleby. He is an advisor of the company.

Mr. Lim received the award of Young Industrialist of Hong Kong in 2017, and is currently the Vice Chairman in the Artificial Intelligence and Robotic Alliance of Hong Kong and Youth Executive Councils. He is also an executive member of the Hong Kong Automation and Technology Council, the Hong Kong Baptist University Advisory Committee on Graduate Employment and the Hong Kong Innovation and Technology Development Committee.

Temi is a mobile computer. It is equipped with a military-grade indoor navigation and positioning system, Harman Kardon speakers and an open SDK for android app development. Among all the robots in the world, Temi has been chosen as the earthly body of Amazon's Alexa.



Mr. Alvin Cheung

Co-founder and Chief Operating Officer, HandyRehab, Zunosaki Limited

Mr. Alvin Cheung is the Co-Founder and Chief Operating Officer of HandyRehab, Zunosaki Limited, a health tech start-up devoted to bringing affordable robotics to the rehabilitation industry. He is responsible for the commercialisation of technology, business development and fundraising of the venture. He has extensive understanding of community healthcare needs through working with various NGOs and community-based healthcare service providers.

HandyRehab is a portable assistive device which helps disabled persons to perform daily tasks, such as holding a glass of water. With a smart sensor, the product is able to interpret the user's intention of movement and provide assistive force whenever necessary.



STARTER PACKAGE

by Consultation Partners

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free of charge**



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OFF**



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**10%
OFF**



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**5%
OFF**



- Venue rental offer: 20% off venue rental
- Membership offer: 2 months free with a commitment of 12 months

**20%
OFF**



CONSULTATION PARTNERS



Alibaba Cloud

Alibaba Cloud, the data intelligence backbone of Alibaba Group, is among the world's top three IaaS providers, according to Gartner. It is also the largest provider of public cloud services in China, according to IDC. Alibaba Cloud provides a comprehensive suite of cloud computing services to businesses worldwide, including merchants doing business on Alibaba Group marketplaces, start-ups, corporations and public services.

hk.alibabacloud.com



Live more, Bank less

DBS

Recognised for its global leadership, DBS has been named "World's Best Bank" by Euromoney, "Global Bank of the Year" by The Banker and "Best Bank in the World" by Global Finance. The bank is at the forefront of leveraging digital technology to shape the future of banking, having been named "World's Best Digital Bank" by Euromoney. In addition, DBS has been accorded the "Safest Bank in Asia" award by Global Finance for ten consecutive years from 2009 to 2018.

www.dbs.com.hk



HKT

HKT is Hong Kong's premier telecommunications service provider and leading operator in fixed-line, broadband and mobile communication services. For enterprises, HKT deliver end-to-end integrated solutions employing emerging technologies such as cloud computing, Internet of Things (IoT) and Artificial Intelligence (AI) to accelerate their digital transformation, contributing to Hong Kong's development into a smart city.

www.hkt-enterprise.com



Hong Kong Science and Technology Parks Corporation

HKSTP is a statutory body dedicated to building a vibrant innovation and technology ecosystem to connect stakeholders, nurture technology talents, facilitate collaboration, and catalyse innovations to deliver social and economic benefits to Hong Kong and the region.

www.hkstp.org



LimeHK

LimeHK is a Hong Kong-based accelerator and innovation consultation firm committing to connecting global networks of Start-ups, Corporates and Capital markets. LimeHK provides full support on knowledge and intelligence, including management consultancy, innovation and technology enablement, market entry and strategic partnerships.

www.limehk.co



LinkedIn

LinkedIn is the world's largest professional network with more than 615 million users in more than 200 countries and territories worldwide.

www.linkedin.com



Microsoft HK

Microsoft enables digital transformation in an era of an intelligent cloud with an intelligent edge. Our mission is to empower every person and every organisation on the planet to achieve more.

www.microsoft.com



Samsung

Samsung inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, digital appliances, network systems, and memory, system LSI, foundry and LED solutions.

www.samsung.com



SGS Hong Kong

SGS is the world's leading inspection, verification, testing and certification company. With the unrivalled global expertise, SGS provides specialised business solutions that improve quality, safety and productivity, reduce risk, and help customers navigate an increasingly regulated world.

www.sgsgroup.com.hk



Tencent WeStart (Hong Kong)

Tencent WeStart (Hong Kong) is a creative hub co-established by Tencent, VS MEDIA and K11. It provides digital entrepreneurs with flexible workspaces, networking opportunities, industry advisors, regional resources, funding and a gateway to China.

www.westarthk.com

EXHIBITORS



Animae Technologies Limited

Animae Technologies Limited is specialised in developing creative, innovative and interactive solutions with emerging technologies, merging physical and digital worlds to create engaging experiences.

www.animaetech.com



Armitage Technology Limited

Armitage Technologies Limited was established in 1972, our various solutions including industry specific products, project development, IoT, AI and Big Data Analytic service for delivering to different industries.

www.armitage.com.hk



Dayta AI

Dayta AI's cloud computer vision platform, Cyclops, processes every in-store security camera to extract offline stores' market intelligence cost effectively.

<https://dayta.ai>



Hong Kong Applied Science and Technology Research Institute

ASTRI was set up in 2000 with the mission of enhancing Hong Kong's competitiveness in technology-based industries through applied research. ASTRI's core R&D competence includes Smart City, Financial Technologies, Health Technologies, Intelligent Manufacturing, and Application Specific Integrated Circuits.

www.astri.org



Hong Kong Lava Holdings Company Limited

Hong Kong Lava Holdings Company Limited distributes high quality, creative and innovative products to Hong Kong and Macau market.

www.lavatech.com.hk



IHP

IHP focuses on the development of chocolate piping technologies. ChocoQuill is a robot series that makes bespoke cookie decals, chocolate plaques or dining plates by drawing with chocolate. With ChocoQuill, everyone can pipe their regards with great taste!

www.ihp.com.hk



Megasoft Limited

Megasoft Limited was established in 2008 and specialises in the development of IoT devices and solutions leveraging cloud-based applications and big data analysis. Our MyndVIZ visualised cold chain monitoring platform, and real-time monitoring of temperature and humidity changes that may occur in the process of cold chain distribution of food and drugs help safeguard public safety and health.

www.myndar.com



MIoT

MIoT powers IoT applications for Smart Cities with the IoT edge sensor module technology. MIoT is the maker and solution provider of IoT Smart Downlight Radar & Edge Sensors with Infineon Technology, IoT Energy Saving Method with CLP Smart Energy Connect, IoT Smart Battery Lifetime Prediction System with City University, and IoT Remote Control Module with Remotec. MIoT is a member company of the Incu-Tec Programme of the Hong Kong Science Park.

www.miothk.com



Nano and Advanced Materials Institute

Nano and Advanced Materials Institute (NAMI) undertakes and provides support for market-oriented research in nanotechnology and advanced materials, and strives for commercialisation of the technologies. As a Materials Expert, NAMI supports industries of Hong Kong by offering frontier applied research on materials and technology transfer.

www.nami.org.hk



Neosen Energy

Neosen Energy has developed an eco-friendly printable battery for various low power IoT devices to target different industries like hospitals, elderly homes, construction sites, courier companies, property development companies and contractors, campuses and hotels.

www.neosenenergy.com



PlusD

PlusD is a high-tech startup specialising in optical 3D technologies which can digitally reconstruct 3D information of captured scenes with high resolution and single lens under a high frame rate. With a wide application in intelligent manufacture such as 3D recognition, positioning, controlling and measurement, PlusD's products can fulfill various customised industrial demands to effectively control quality, save costs and improve production efficiency.

www.plusd-tech.com

EXHIBITORS

Remotec

Remotec

Remotec Technology Limited is a leader in providing wireless remote control solutions in Infrared, Bluetooth, Wi-Fi, ZigBee and Z-wave targeting the IoT and smart home market with over 28 years of experience in connecting the last mile using our IR Fabric.

www.remotec.com.hk



Shadow Factory

Shadow Factory is the leading VR/AR/MR production company in immersive content development and digital strategy. We are specialists in implementing XR (extended reality) and interactive media. We produce story-driven experiences and offer exciting ways to engage audiences.

www.shadowfactory.io



Tung Hing Automation Investment Limited

Tung Hing Enterprise was established in 1977 by Mr. Tony Lim. The core business includes distribution and system integration of industrial automation products and information technology products. Tung Hing is the largest Mitsubishi Automation distributor in China and the sole distributor and investor in temi.

www.tunghingautomation.com

*** This exhibitor will also conduct a machine demo on stage*



Win Wing Group

A dynamic robotic solution company specialised in robotic application and software development. We are the Official Business and Technical Partner for Softbank Robotics, Ubtech, Sanbot Robotics and Asus Robotics.

www.winwingroup.com.hk



Zetakey Solutions Limited

Zetakey Universal IoT gateway solutions help enterprises to build a long-term IoT strategy and achieve digitalisation. The applications include smart control, healthcare, environment monitoring etc.

www.zetakey.com



Zunosaki Limited

Zunosaki is a Hong Kong-based robotic technology venture founded in 2015. With an aim to tackle the problem of healthcare accessibility and to improve the quality of life of the disabled, the start-up designs and develops affordable robotic products for physical rehabilitation.

www.handyrehab.com

*** This exhibitor will also conduct a machine demo on stage*

EVENT RUNDOWN

Date : 15 August 2019 (Thursday)
Time : 2:30 – 5:30 pm
Venue : L21, K11 ATELIER, Victoria Dockside, 18 Salisbury Road,
Tsim Sha Tsui (TST East Station Exit J2)
Language : Cantonese (Presentation material by partial speakers
will be supplemented in English)

2:30 – 3:00pm Registration, Exhibition and Networking

3:00 – 3:05pm Opening Speech by **DBS**

3:05 – 3:10pm Ceremony and Group Photos

3:10 – 3:25pm 1st Keynote Speech by **Mr. Tsz-Wang Tam**

*Hong Kong and Mainland China Telecom and
Technology Analyst, Group Research,
DBS Bank (Hong Kong) Limited*

Topic: US-China Tech War

3:25 – 3:40pm 2nd Keynote Speech by **Dr. Crystal Fok**

*Associate Director, MPE Cluster & Robotics Platform,
Hong Kong Science and Technology Parks Corporation*

Topic: How A.I.R. is Impacting SMEs and Startups

3:40 – 4:05pm Machine Demo *Presented by Technologies from Science Park*

Industry Specialist:

- **Mr. Anvil Ng**, *Senior Manager, Acceleration Programmes,
Hong Kong Science and Technology Parks Corporation*

Featured Partners:

- **Dr. John Koo**, *Director, Cyber-Physical System (CPS),
Hong Kong Applied Science and Technology Research Institute*

- **Mr. Roy Lim**, *Vice President, Tung Hing Automation Investment Limited*

- **Mr. Alvin Cheung**, *Co-founder and Chief Operating Officer, HandyRehab,
Zunosaki Limited*

4:05 – 4:20pm 3rd Keynote Speech by **Ms. Dorothy Ho**

*Senior Manager, Enterprise Business,
Samsung Electronics Co., Ltd*

Topic: 5G and its Related Applications

4:20 – 4:35pm Exhibition Highlights

4:35 – 5:30pm Exhibition and Networking

