

HKTDC

Hong Kong Electronics Fair
(Autumn Edition)

香港秋季電子產品展

Symposium

on Innovation & Technology

「創新科技論壇」

— Power of IoT and Emerging Technologies

Thursday, 13th October 2016
10:00am to 4:30pm

Theatre, Hong Kong Convention &
Exhibition Centre
香港會議展覽中心 演講廳



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Programme Rundown

Time	Events
Morning Session: Emerging Technologies - Smarter Technologies, Smarter Life	
9:30am – 10:00am	<i>Reception</i>
10am – 10:03am	Welcoming Remarks by Mr Benjamin Chau, Acting Executive Director, Hong Kong Trade Development Council
10:03am – 10:06am	Welcoming Remarks by Ir Victor Ng, Chairman, Hong Kong Electronics & Technologies Association
10:06am – 10:24am	Opening Keynote by Dr David Chung Wai-keung, JP, Acting Secretary for Innovation and Technology, HKSAR
10:24am – 10:30am	<i>Group Photo</i>
10:30am – 10:55am	Accelerate the World's Transition to Sustainable Energy Ms Isabel Ching Fan, Regional Director, HK, Macau & Taiwan, Tesla
10:55am – 11:20am	A Smarter World: The Mesh of Interconnected Devices and Artificial Intelligence Mr Olivier Klein, Solutions Architect, Amazon Web Services
11:20am – 11:45am	Innovative Materials Solutions for Electronics, Appliances and Smart City Applications Dr Peter Lee, Chief Technology Officer, Nano and Advanced Materials Institute (NAMI)
11:45am – 12noon	Successful Case Sharing: Full Life Cycle Management for the 21st Economy Ms Rosana Wong, Executive Director, Yau Lee Holdings Limited
12noon – 12:30pm	Panel Discussions Moderator: Mr MY Wong, JP, Chairman, Hong Kong Applied Science and Technology Research Institute (ASTRI) Panelists: Ir Dr Hon WK Lo, SBS, MH, JP, Legislative Councilor (Engineering) The Hon Charles Mok, JP, Legislative Councilor (IT) Speakers of AM session
12:40pm-2:20pm	Networking Luncheon organised by HKETA (by invitation), Luncheon venue: Room S221, 2/F (Old Wing)
Afternoon Session: IoT Trends and Opportunities - Connected Living, the Next Big Thing	
2:30pm – 2:55pm	The Future of Connected Living (IoT) and Challenges Mr Wee Teck Loo, Head, Global Consumer Electronics Research, Euromonitor International
2:55pm – 3:20pm	Exploiting the IoT Growth Opportunity Mr Anthony Wai, APAC SE Director, Aruba, a Hewlett Packard Enterprise company
3:20pm-3:45pm	Unlocking Smart Home Opportunities with Qualcomm Mr Michael Wong, Senior Director of Sales, Qualcomm
3:45pm-4pm	Successful Case Sharing: 2020 IoT Discovery and Enterprise Disruptions Mr Matthew Man, President & CEO, Myndar
4:00pm-4:10pm	Group Photo
4pm – 4:30pm	Panel Discussions Moderator: Mr Simon Wong, CEO, Hong Kong R&D Centre for Logistics & Supply Chain Management Enabling Technologies (LSCM R&D Centre) Panelists: Prof On Ching Yue, Science Advisor, Innovation & Technology Commission Speakers of PM Session

Welcoming Remarks



Mr Benjamin Chau

Acting Executive Director, Hong Kong Trade Development Council

On behalf of the Hong Kong Trade Development Council (HKTDC), welcome to the Symposium on Innovation & Technology at the HKTDC Hong Kong Electronics Fair (Autumn Edition). Under the theme "Power of IoT and Emerging Technologies", the Symposium welcomes business leaders to share their insights on the latest developments in the industry.

The Electronics Fair and concurrent electronicAsia form the world's largest electronics marketplace, hosting more than 4,100 exhibitors from 29 countries and regions. This is the perfect platform for networking and intelligence sharing with a view to harnessing the power of today's rapid technological advancements.

The Symposium is jointly organised by the HKTDC and Hong Kong Electronics & Technologies Association (HKETA), as a major highlight this year to analyse the implications and opportunities arising from emerging technology and IoT.

A constant stream of innovation is re-shaping the way we live, work and communicate with each other. Companies engaged in virtually all industries have to re-think the way they do business to keep up with consumer demand and move up the value chain while paying close attention to their environmental footprint and, ultimately, their balance sheets.

To reveal the latest trends of emerging technology and IoT development, we are delighted to welcome elite speakers from global brands such as Tesla, Amazon Web Services, Euromonitor, Hewlett Packard and Qualcomm.

I would also like to thank our distinguished panel members for joining the Symposium to share their experience and success with the audience. Governments around the world are also aware of the need to provide the right conditions for new ideas to take root and to attract investment and talent from around the globe to help drive economic growth.

Finally, I would like to pay tribute to our supporting organisations and sponsors who, through their vision and commitment, have helped make this Symposium possible.

I wish you all a fruitful day and an enjoyable stay in Hong Kong.

Welcoming Remarks



Ir Victor Ng

Chairman of Hong Kong Electronics & Technologies Association

On behalf of the Hong Kong Electronics & Technologies Association (HKETA), I must thank our Partner, the Hong Kong Trade Development Council who jointly organize the Symposium. And on behalf of the Organizing Committee, I must thank our Guest of Honour, Dr. David Chung, Acting Secretary for Innovation and Technology, to spare some time out of his very busy schedule to support our function and to deliver the Opening Keynote.

In this digital era, electronic and information technology have become an omnipresent part of our daily lives and the smooth operation of most industries depend on them. Emerging technologies of electronic and information technology and nano technology are widely used in personal equipments, smart appliances, health care electronics, multi-media products, as well as smart and IoT devices for commerce, smart home and smart city applications. Thus we have “Emerging Technologies – Smarter Technologies, Smarter Life” as the theme of the morning session. We have invited speakers to talk about autopilot, the mesh of interconnected devices, artificial intelligence as well as innovative nano solutions. And a local successful case sharing on full life cycle management, followed by a panel discussion with Mr. MY Wong, Chairman of ASTRI, as the Moderator.

The global market of Internet of Things (IoT) is expected to reach US\$1.9 trillion in 2020 with over 50 billion connected devices. The industry is excited with the opportunity, and we will focus on IoT for the afternoon session. “IoT Trends

& Opportunities – Connected Living, the next Big Thing” will be the theme. The speakers will talk about the future of connected living (IoT) and challenges, the IoT growth opportunity and to unlock the smart home opportunities, all around IoT. We will also have a local successful case sharing on IoT discovery and enterprise disruptions. Besides, a panel discussion will be arranged with Mr Simon Wong, CEO of LSCM R&D Center as the Moderator.

This Symposium is not possible without the talks delivered by our expert speakers. The Symposium is not an one-way communication channel with our panel discussion as an integral part. So, a big thanks to all the speakers, moderators Mr MY Wong and Mr Simon Wong, and panelists including the two Legislative Councilors Ir Dr Hon WK Lo and the Hon Charles Mok and Prof On Ching Yue of ITC, for making this Symposium a success. I must also thank all the sponsors and supporting organizations for making this Symposium sustainable.

Last, but not the least, I would like to thank all the participants for your invaluable support! Thank you and enjoy the program to-day!

Opening Keynote



Dr David Chung Wai-keung, JP

Under Secretary for Innovation and Technology, HKSAR

Dr Chung is the Under Secretary for Innovation and Technology, assisting the Secretary for Innovation and Technology in strengthening the cooperation with the industry, academia and the research sector, fostering development of innovation and technology to promote development of high-end manufacturing industry as well as enhancing nurture of innovation and technology talents with an aim to create a vibrant ecosystem for innovation and technology. He has almost 30 years of experience in information technology strategic management and entrepreneurship development. Dr Chung worked as Chief Technology Officer at Cyberport Management Company Limited, responsible for taking forward its core mission on IT infrastructure, industry collaboration and incubation platforms for IT entrepreneurs. He also assisted in setting up the first Micro Fund Scheme in HK for young information and communications technology entrepreneurs. Dr Chung was a winner of the “China Top 5 CIO Award” in 2013.

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Accelerate the World's Transition to Sustainable Energy



Ms Isabel Fan

Regional Director, Hong Kong, Macau and Taiwan, Tesla

Isabel is focused on driving Tesla's business growth with delightful experiences for customers in Hong Kong, Macau and Taiwan. Her career includes twenty-five years at major corporations in U.S. and Asia Pacific. During this time, Isabel spent 19 years working for Apple Inc. in Asia Pacific in channel retail development and enterprise and education market development. She has strong expertise in strategic planning, partnership management, sales operations with an emphasis on improving efficiency and productivity to drive results.

Isabel has a strong passion for technology and how it works to enhance people's life.

Abstract

Tesla Motors was founded in 2003 by a group of engineers in Silicon Valley who wanted to prove that electric cars could be better than gasoline-powered cars. With instant torque, incredible power, and zero emissions, Tesla's products would be cars without compromise. Each new generation would be increasingly affordable, helping the company work towards its mission: to accelerate the world's transition to sustainable transport.

This talk will give an overview of Tesla's past, present and future highlighting the technology that has made the company successful. It will cover exciting recent developments such as Autopilot, Tesla Energy, the Model 3 and the Gigafactory, the world's largest battery factory.

A Smarter World: The Mesh of Interconnected Devices and Artificial Intelligence



Mr Olivier Klein
Solutions Architect, Amazon Web Services

Olivier has been working for Amazon Web Services across Asia-Pacific and Europe with a strong focus on building resilient, scalable, secure and cost effective application architectures. Together with various incubators and accelerators, he actively assisted startups to adopt a lean and agile concept to build platforms that align revenue model with their IT infrastructure spending, effectively reducing waste and disrupting how product development has been executed over the past decades. Entrepreneurial agility is driven through quick iterations of lean and quantifiable developments in Olivier's beliefs, the reason he has worked with key customers and partners to build intelligent analytics platforms using industry best practices to repeatedly streamline service usage, reduce costs and increase customer satisfaction. Prior to his AWS time, Olivier was responsible to run the digital product strategy for an educational book publisher across Asia and he actively lead key development efforts in building a virtualised web service platform for a Luxembourgish Internet Service Provider.

Abstract

Connected devices are all around us, from tiny sensors on Arduinos and Raspberry Pi's, to TV's, thermostats or even wind turbines. They collect and transmit a large amount of valuable information which, if processed and analyzed, can capture exceptions, generate alerts, drive recommendations, and make real-time operational decisions. But why does connecting physical devices to the cloud create more value for end users? How can connectivity enhance user experience? And why does connecting your things enhance your business model? In this session, Olivier Klein, Senior Solutions Architect at Amazon Web Services, will discuss the power of connecting devices to the cloud and share Amazon's vision, latest products and features. We will dive into real IoT use cases around logistics, entertainment, mobility and healthcare and furthermore showcase how devices like the Amazon Echo, can create broad ecosystems for a smarter and connected world.

Innovative Materials Solutions for Electronics, Appliances and Smart City Applications



Dr Peter W. Lee
Chief Technology Officer, Nano and Advanced Materials Institute Limited (NAMI)

Peter has been the CTO of Nano and Advanced Materials Institute (NAMI) for the last seven years, leading the institute's collaboration with industries to develop and commercialize innovative technologies and materials. The breadth of NAMI's applied research is wide. Its five focused market sectors include Electronics, Sustainable Energies, Environmental Technologies, Bio and Healthcare, and Building/Construction Materials.

Peter's background is in microelectronics, having spent more than 20 years in the US working in the semiconductor and photovoltaic industries. He received his BS degree in Chemical Engineering and Materials Science from University of California at Berkeley and his Ph.D. degree in Chemical Engineering from University of Minnesota where his research focused on MOCVD of GaAs. He has over 30 publications and holds more than 30 patents.

Abstract

The talk will focus on the application of innovative nano materials in the development of commercial products. Nano materials are in various shapes and forms, and most importantly, have unique properties that can be harnessed and turned into differentiated features in wide ranges of products.

One common research approach NAMI utilizes is to develop a material based technology platform and functionalize the material in specific ways to develop differentiated products in various markets. We will present examples of these platform technologies based on nano materials, that can create innovative products not only in electronics and appliances, but also in areas such as healthcare, air and water purification as well as construction materials that all contribute to the concept of a Smart City.

Successful Case Sharing:

Full Life Cycle Management for the 21st Economy



Miss Rosana Wong

Executive Director, Yau Lee Holdings Limited

As the Executive Director of Yau Lee Holdings Limited, Ms. Rosana Wong leads the Group's integrated business sectors and plays a pivotal role in formulating overall strategic planning. With over a decade of entrepreneurial experience, she oversees corporate business development, management of construction projects in Hong Kong, together with the expansion of regional and overseas markets, implementation of full lifecycle management and Virtual Design & Construction. From building construction, IT solutions, MEP Services, architecture & engineering, energy optimization solutions, precast and low carbon building materials, curtain wall & steel works, to investment, property and hotel development. Rosana is driven by her passion for combining technology, innovation and science with sustainable ecosystem in Energy & Environmental Systems, Water Sustainability, Nanotechnology & Digital Fabrication, Artificial Intelligence as well as Networks & Computing Systems. Under her leadership, Yau Lee has grown to be a forward-thinking, green integrated corporation on a global scale.

Rosana is also the Chairperson of Next Generation Leadership Council, Smart Living Committee of Smart City Consortium, Council Member of The Better Hong Kong Foundation, Member of Zonta Club of Kowloon, Exponential Advisory

Board Member of Singularity University, Board Member of Virtual Builder and Advisory Board Member of Center for Integrated Facility Engineering (CIFE) at Stanford University.

Rosana holds a Bachelor Degree in Design from the De Montfort University, a Master Degree in Design from the Royal College of Art in the UK, and Executive Master Degree in Business Administration and Master Degree in Philosophy, both awarded by the Chinese University of Hong Kong and completed an Executive Programme in Technology from the Singularity University in the US.

Abstract

Urban, technology and green are the essence of the 21st Century Economy. To succeed in the 21st century economy our city needs to be productive, accessible as well as sustainable – a transformation of Smart City - which will grow the innovation economy. Ms. Rosana Wong, owing to her extensive experiences in awarding winning projects, would be illustrating several successful cases to share how the latest technologies through Full Life Cycle Management to create a smarter and sustainable city for the society.



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Moderator

Mr MY Wong, JP
Chairman,

The Hong Kong Applied Science and Technology Research Institute (ASTRI)



Mr Wong Ming Yam is currently the Chairman of InnoLink Investment Limited. He is also the Director of a number of companies; eSPOT Company Limited, eSPOT Lighting Limited, Top Brilliant Technology Limited, Sanwa Technologies (Holdings) Limited, NED of Sanwa BioTech Limited, and INED of DeLight Power Products Limited. Prior to this, he was the CEO of Elec & Eltek Display Technology Limited and Senior Vice President of Royal Philips Electronics where he has gained over 35 years of Global Industrial Operations experience. His responsibilities include not only the Industrial Management of Philips Audio Video Entertainments but also the supply base and technology development.

Devoted to promoting innovation and technology, and public service, Mr. Wong has served as a member of several Government Boards and Committees for more than 35 years. He was a member of Innovation and Technology Fund Vetting Committee, member of Assessment Panel of SERAP of ITC Hong Kong SAR, Director of Hong Kong Standards and Testing Centre, Council Member & Deputy Chairman of Hong Kong Productivity Council, Director of the Hong Kong Industrial Estates Corporation, Director of Hong Kong Science & Technology Parks Corporation, Member of Advisory Committee of Innovation and Technology of Hong Kong Trade Development Council, Member of the working group on Intellectual Property Trading of Commerce and Economic Development Bureau, Member of Panel on Promoting Testing & Certification Service in Environmental Protection Trade of Hong Kong Council for Testing and Certification, and ex-officio member of the Steering Committee on Innovation and Technology of the Hong Kong SAR.

At present, he is the Honorary Chairman of Hong Kong Electronics & Technologies Association, Honorary Chairman of Hong Kong Critical Components Manufacturers Association,

Chairman of the Advisory Committee of the Department of System Engineering and Engineering Management of The Chinese University of Hong Kong, Member of EE Departmental Advisory Committee of City University of Hong Kong, Member of Selection Committee and Hong Kong Mentor of Asia America Multi Technology Association – Pearl River Delta Chapter Credle Program, Board Advisor of International Intellectual Property Commercialization Council Hong Kong Chapter, Fellow member of Hong Kong Green Strategy Alliance, Chairman of the Create Smart Initiative (CSI) Vetting Committee of Create Hong Kong, ex-officio member of the Advisory Committee on Innovation and Technology of the Hong Kong SAR, and Chairman of Hong Kong Applied Science and Technology Research Institute Company Limited.

Abstract

Available of digital technology speed up the emerging technologies development. Technologies focus around the improvement on human living, energy management, improvement on communication, logistics, and improvement of business processes.

While every individual company or country is coming up with different new technology for new application. Creation of standard and alignment of standard will hardly catch up with the technologies development.

Apart from new products being created, a lot of emerging technologies are disruptive also. For products, user benefit is outstanding. But for a disruptive business processes, the impact to the society is huge. Cyber security will become the hottest issue ever seen.

Panelist

Ir Dr the Hon LO Wai Kwok, SBS, MH, JP
Legislative Councillor



Ir Dr the Hon LO Wai Kwok, SBS, MH, JP, is Member of the Legislative Council of the Hong Kong Special Administrative Region, representing the Engineering Functional Constituency.

Dr Lo is very active in the community and has served many government organizations, professional bodies and trade associations. He was President of the Hong Kong Institution of Engineers in the session 2007/08 and was a Sha Tin District Councillor for many years. He is currently Chairman of the Hong Kong Quality Assurance Agency, member of the Hong Kong Science & Technology Park Board of Directors, the Housing Authority, the Hospital Authority, the West Kowloon Cultural District Authority, and member of the Hong Kong Certification and Testing Council. He is Vice Chairman of the Business and Professionals for Hong Kong, Chairman of the Hong Kong Green Strategy Alliance, and President of the Hong Kong Professionals and Senior Executives Association.

Dr Lo's expertise and areas of service cover infrastructure, town planning, environment, housing, technology, industry, education and community service. He has over 30 years of working experience in engineering, industrial management, technology innovation and market development, and has held top management positions in multinational technology groups in the past.

Dr Lo holds an Engineering Doctorate degree of the University of Warwick. He is Honorary Fellow of the Hong Kong University of Science and Technology, Industrial Fellow of the University of Warwick, Honorary Fellow and Visiting Professor of the Hong Kong Vocational Training Council, Honorary Professor of the Open University of Hong Kong, and Adjunct Professor of the City University of Hong Kong.

Dr. Lo was awarded "Ten Outstanding Young Persons" and "Young Industrialist Awards of Hong Kong" in 1992. He was awarded Medal of Honour (MH) by the Chief Executive of the HKSAR Government in 2001, appointed as a Justice of the Peace (JP) since July 2004, granted Bronze Bauhinia Star (BBS) award in 2009 and Silver Bauhinia Star (SBS) award in 2015.

Panelist



The Hon Charles Mok, JP
Legislative Councillor

Charles Mok, is the Legislative Councillor representing the Information Technology Functional Constituency. He has been serving the ICT industry for more than 20 years. He is currently the Vice Chairman of the Professional Commons, Honorary President of the Hong Kong Information Technology Federation and Founding Chairman of the Internet Society Hong Kong.

Charles is active in public services with a view to upholding the core values of Hong Kong of which include democracy, liberty, human rights, rule of law and integrity, and is serving on various advisory bodies in the Hong Kong government, Hospital Authority, WKCD, higher educational institutions, and etc.

Charles graduated from Purdue University in the United States with his Bachelor and Master degrees of Science in Computer and Electrical Engineering.

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The Future of Connected Living (IoT) and Challenges



Mr Wee Teck Loo

Head of the Global Consumer Electronics Research, Euromonitor International

Wee Teck leads the global consumer electronics research at Euromonitor and supports clients on a broad range of areas, including business transformations, regulatory changes and marketing plans. Internally, he spearheads the research programme, providing strategic trends and global market insights to the country research teams.

Prior to joining Euromonitor International, Wee Teck worked with hedge fund managers in identifying upcoming technologies for investments. He spent his early career in product management, garnering international awards (including the prestigious CES Innovation Award).

Abstract

The smart home has been on the verge of a breakthrough for years, yet the lack of a dominant standard, confusion over product choice and limited consumer tech-suaveness have derailed its mainstream adoption.

Moving forward, rising Internet usage, high smartphone penetration and the proliferation of connected products (including appliances) will enable more homes to get smart. We will look at how the trends will evolve, the challenges and market value of the smart home.

Synopsis:

Smart home is becoming a reality as devices gained processing prowess and are connected to the Internet. Is our home ready to become smart?

- * There are more mobile telephone subscriptions than people in the world
- * Sales of connected electronic devices will exceed 2.6 billion units
- * Consumer expenditure on electricity and gas will exceed US\$2 trillion

Exploiting the IoT Growth Opportunity



Mr Anthony Wai

APAC SE Director, Aruba, a Hewlett Packard Enterprise company

Anthony Wai is the Sales Engineering Director of Aruba in the Asia Pacific region. He leads a team of engineers to offer wireless LAN, secure mobility access, and centralized management to customers.

Since joining Aruba, Anthony has provided professional situation analysis and advice to customers to enhance their wireless workplace, remote branch access, and mobility engagement deployment with Aruba's cutting edge solutions and technologies.

Anthony brings diverse and cross-cultural experience to the Aruba team, having worked on various networking, security infrastructure design, and integrated solutions projects at large corporations in Canada, USA, and Greater China.

Anthony holds a Bachelor Degree of Computer Science from University of British Columbia in Vancouver, Canada, and an MBA degree from Hong Kong University of Science and Technology.

Abstract

The market for the Internet-of-Things devices and applications, and the new business processes they enable is enormous. Gartner estimates a 35.2% compound annual growth rate (CAGR) of non-consumer IoT devices from 2013-2020, reaching an installed base of 25 billion units in 2020. This rapid expansion of connected devices presents a unique opportunity to grow your business. The Internet of Things offers new ways to engage customers, new business models and greater insights into existing processes.

The rise of the IoT is giving businesses a choice: innovate, or be left behind. But to take full advantage of the power of the IoT, you need to integrate heterogeneous technologies across multiple environments. Discover how HPE connects data, people, and processes through open, flexible technologies and services, to drive insight, increase efficiency, predict maintenance and reduce risk. This session will also share the HPE IoT value proposition, the universal IoT Platform as well as specific real life use cases.

Unlocking Smart Home Opportunities with Qualcomm



Mr Michael Wong
Senior Director of Sales, Qualcomm

Michael Wong is a Senior Director of Sales at Qualcomm. In this role, he heads the company's China and Southeast Asia semiconductor sales organization with specific focus in the "Internet of Things" and "Wireless Infrastructure" market segments, driving business growth across Voice & Music, Drones, VR, Wearables, Cameras, and Smart Cities applications.

Previously, Michael was a Director of Business Development for the Asia Pacific region, primarily focusing on attaching wireless connectivity technologies (WiFi, Bluetooth) into handsets and computing devices. Michael joined Qualcomm as part of the company's acquisition of Atheros Communications where he led various Business Development and Applications engineering operations for the company. In his early years as a systems and software engineer, Michael also made important contributions to the development of the 802.11 WLAN protocols and algorithms.

He currently holds a Master of Science degree in Electrical Engineering from Stanford University, and MBA degrees from Northwestern University's Kellogg School of Management and from Hong Kong University of Science and Technology. He also holds a Bachelor of Applied Science and Engineering degree from University of Toronto.

Over the past few years, Qualcomm has been a catalyst in driving forward the IoT momentum and has heavily engaged across many axes of the IoT. This presentation provides an overview of Qualcomm's approach in addressing the IoT needs and focuses on the areas where Qualcomm is particularly active within the smart home segment which includes VR, Drones, Cameras, Home Automation, and other Consumer Electronics. Qualcomm's IoT vision is to create an ecosystem across body & wearables, home and cities with smart devices that can interact seamlessly and provide a platform for applications and services. In order to ease ecosystem fragmentation for IoT devices, Qualcomm aims to provide a portfolio of hardware, software, and ecosystem solutions to (1) enrich consumers with things that can unlock better entertainment, greater efficiencies and convenience, personalized services and new user experience; (2) enable OEMs & service providers to deliver products/services that meet the diverse needs of key verticals in terms of features, performance, interoperability, power, security, and cost); (3) empower developers to accelerate the building of these products and services for IoT.

Abstract

IoT has begun and will continue to transform every aspect of our lives – as our everyday become increasingly immersed in networks of things that are more seamlessly connected and more intuitive than ever before. The realization of this vision hinges on a healthy development of the IoT ecosystem – particularly on the commercialization of interoperable products and associated services up and down the value chain. It is here that technology providers can help accelerate progress and reduce fragmentation by offering to device makers application-specific platforms that combine essential connectivity and intelligence elements with specific features that meet the needs of distinct verticals. Consequently, this reduces the development time and cost for the device makers, enabling them to deliver products and services with the right set of capabilities. In addition, technology providers will be key in driving horizontal efforts to encourage interoperability across the industry as well as develop vertical relationships to strengthen the entire value chain, from the supply chain, to device makers, to service providers.

Successful Case Sharing

2020 IoT Discovery and Enterprise Disruptions



Mr Matthew Man
President & Chief Executive Officer, Myndar

A true local Hong Kong inventor, innovator and successful entrepreneur, Matthew's visionary thinking and strong leadership have led his companies to pioneer a series of revolutionary IoT solutions. These innovations have earned Matthew many high profile accolades locally and internationally for his technological innovation including Hong Kong's Most Valuable Companies Award, the Grand Award of Hong Kong Awards for Industries (Innovation and Creativity) and the Gold Award of Geneva Inventions.

In 2015, Matthew received the highest honor in recognition of his innovative spirit and exceptional achievements by being awarded Ernst & Young - Entrepreneur of the Year.

Matthew's hard work and commitment to innovation has earned him a reputation as a global leader of IOT technology in providing many patented IOT solutions in different vertical industries under "Enterprise" market segment. One of the most successful and innovative IOT solutions, Myndar Jewelry, a next generation intelligent retail management system, has transformed the jewelry and watches industries globally.

His passion for innovation and enthusiasm for local R&D development has created many opportunities for his companies to

collaborate with Hong Kong's R&D centers, ASTRI and NAMI, to explore the latest IOT technology in Big Data applications and Nano Technology applications.

"Apart from a good innovative product, an innovative business model is equally important to create a blue ocean and a sustainable business within one particular industry", said Matthew.

Matthew actively supports many local start-ups in Hong Kong as an advisor and is an active member of the Industry & Technology Committee of Hong Kong General Chamber of Commerce, and the Hong Kong Electronics & Technologies Association.

Abstract

IOT technology has totally disrupted and dominated our lives; it seems that nobody can live without their "digital organ" – the mobile phone. Many new disrupting opportunities in the Consumer sector will continue to be dominated mainly by big players such as Google, Facebook, Apple, Wechat, Alibaba, etc. Despite the huge potential business opportunities in the Consumer Sector, it is becoming more and more difficult for new startups and SMEs to make any significant impact in this sector without the huge funding needed to make it scalable and sustainable in a long term.

However, new opportunities in the Enterprise and Industrial sectors are frequently overlooked. According to survey figures, each of these sectors has a higher growth than the Consumer sector. One of the challenges is to be industry focused and leveraged the existing IOT success of the Consumer sector to extend the value into the Enterprise and Industrial sectors by identifying the pain points of each vertical industry and offer them innovative IOT solutions as "pain killers" to their business problems.

Megasoft Limited managed to disrupt the Enterprise sector by offering their innovative IOT solutions in the Jewelry & Watches, Cold Chain Logistics and Healthcare industries. With over 80 patents in IOT technology, Megasoft Limited is sharing their success and experience as a home grown Hong Kong company to disrupt the Enterprise sector globally.

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Intelligence that builds brands



Suffice Industrial Technology Limited was established in 1986 in Hong Kong. From an agent of small light bulbs, we start nearly three decades of business development. Our entire team consistently uphold the spirit of innovation and pragmatic professionalism, up to now we have developed four professional teams which include: House Appliance, Power Electronics and Green Energy, Sensors, Intelligent Building and Lighting. The company's sales network spreads all over Taiwan, Shanghai, Shenzhen, Beijing and Guangzhou.

For make still further progress. We ushered in a new transformation in the thirtieth anniversary, we transform to a sales agent and solution provider from an electronic components agent that has extensive sales experience. What's more, we actively set foot in the internet industrial and move with the times in the new information era, always remain competitive forces in the future's technology industrial. We focus more on excavation components with innovation technology and sensors, introducing the international leading technology in terms of energy conservation and environmental protection. At the same time, we are also committed to promotion the building intelligent and the standard of smart city control; we provide the accurate information collection, reliable communication and transport and optimization technology solutions to our end customer which in the fields of renewable energy, HEV, environment monitoring, medical monitoring, intelligence appliance, smart city and the entire of IoT.

At the time of 30th anniversary, Suffice will continue to innovate in advance and progress in innovation, to satisfy the growing needs and challenges from our customer, this is our constant goals and objectives.



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Moderator

Mr Simon Wong

Chief Executive Officer,
Hong Kong R&D Centre for Logistics & Supply Chain
Management Enabling Technologies (LSCM)



Mr Simon KY Wong is the Chief Executive Officer of the Hong Kong R&D Centre for Logistics and Supply Chain Management Enabling Technologies (LSCM R&D Centre). It was established in 2006 by the HKSAR Government and charged with the mission to research and develop relevant technical solutions to serve the logistics, construction and eCommerce industries in Hong Kong and the Pearl River Delta region.

Mr Wong has more than 30 years of working experience in the commercial sector. Before joining the LSCM R&D Centre, Mr Wong held a number of technology development and management positions in Hong Kong and Taiwan. He worked at the General Electric Company between 1996 and 1999 and from 1999 to 2004, he was the President of GE Appliances Asia. He joined Johnson Electric in 2004 as the President of JE Trading Limited. He was highly involved in developing supply chain solutions for customers and exploring new business models. He held this position until 2010.

Mr Wong holds a master degree in Electrical Engineering and Computer Science from the University of California, Berkeley, United States. Currently, he is serving the following posts:

- Chartered Fellow of the Chartered Institute of Logistics and Transport
- Member of Hong Kong Logistics Development Council (LOGSCOUNCIL)
- Member of HKTDC Logistics Services Advisory Committee
- Member of the Steering Group on Financial Technologies (Fintech) by FSTB (2015)
- Member of Airport Technology Advisory Council of Airport Authority Hong Kong

Panelist

Prof On Ching Yue

Science Advisor, Innovation & Technology Commission



Prof. OnChing Yue is the Science Advisor in the HKSAR Innovation and Technology Commission, providing assistance and advice to the Commissioner on technology development under the government's new strategic framework for innovation and technology.

Prof. Yue was born in Macao, grew up in Hong Kong and immigrated with his parents to the United States in 1963. He joined the Radio Research Lab at Bell Labs in 1977 after receiving his Ph.D. in Electrical and Computer Engineering from the University of California at San Diego. After spending 26 years at Bell Labs, he became a visiting professor in the Information Engineering Department at the Chinese University of Hong Kong in 2003. In September 2005, Prof. Yue took leave from CUHK and joined the Innovation and Technology Commission.

Before leaving Bell Labs, Dr. Yue was a department director in the Advanced Technologies division. His department was responsible for developing new algorithms and protocols for improving and predicting the performance and reliability of wireless networks.

Prof. Yue has over 20 journal publications and over 30 conference papers. Among his 18 patents, the one on mechanisms for guaranteeing Quality of Service (QoS) in Internet Protocol (IP) networks was named as one of 2003's top five patented new technologies by MIT Technology Review in 2004. His research interests include wireless access networks (3G, wireless LANs and PANs), security (DDoS, priority access and sensor networks), and application QoS (VoIP, TCP, streaming video and games).



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Closing Remarks



Mr Andrew Ip
Chairman of Organising Committee

After marveling at Michelangelo's statue of David, the Pope asked Michelangelo, "How do you know what to cut away?"

Michelangelo replied, "It's simple. I just remove everything that doesn't look like David."

Same applies, if we ever want to be successful in IoT, "It's simple. we just need to remove everything that doesn't look like IoT." With the enormous markets out there, it is hard to ignore this golden opportunity. IoT is more than tiny sensor with network capability. It is an ecosystem consists of IoT Devices, M2M, network infrastructure, data storage and machine intelligence. With the size of the markets and complexity, no single player will able to dominate this market.

HKETA aims to provide a platform for opportunity seekers from Industry, Academia and R&D centers. We believe opportunities will arise through collaboration and trust building. Through symposium, forums, exhibitions, technical visits, networking events, participants could meet people beyond their normal network and exchange ideas.

Symposium on Innovation and Technology brought together key industries across the world. Introducing and exploring the latest innovation within IoT and emerging technologies. We believe that it will leave good memories in everyone of our hearts. And I would like to express my heartfelt gratitude to HKTDC, our sponsors, supporting organizations, speakers, moderators and panelists for making this happen. Organizing committee and our Chairman Ir. Victor Ng who devotes themselves to work tirelessly behind the scenes. We look forward to meeting you in our future events.

CONTACT US

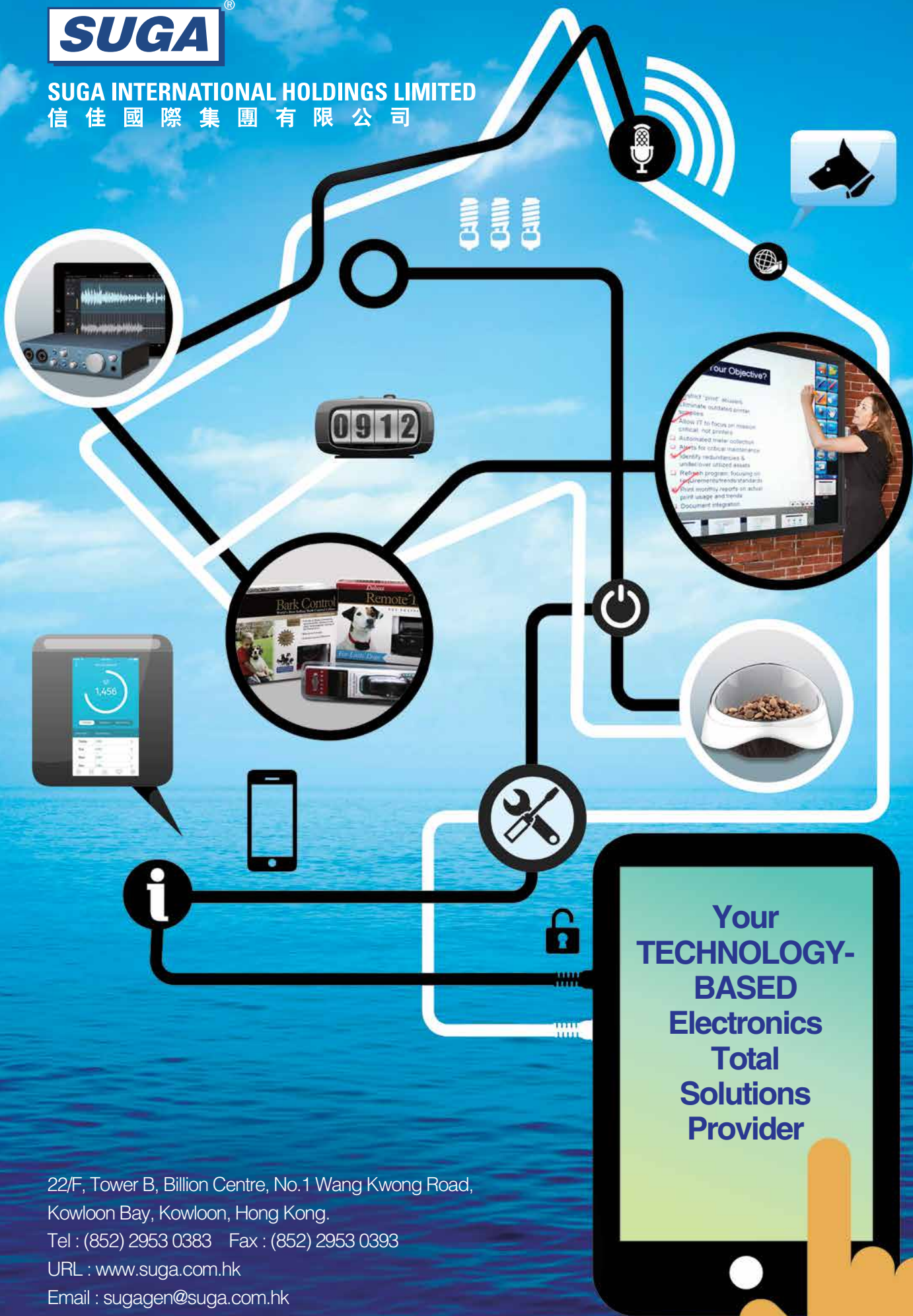
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