

Symposium on Innovation & Technology 創新科技論壇

Innovate for a Sustainable Future 永續發展 科創未來

Date 日期 : 13 / 10 / 2022 (Thursday 星期四)
Time 時間 : 10:30am – 4:10pm / GMT+8
Venue 地點 : The STAGE, Hall 1E, Hong Kong Convention and Exhibition Centre & Online Streaming 香港會議展覽中心展覽廳 1E The STAGE 及線上直播

(Attendees are welcomed to participate the event in either format

歡迎參會人士以親身或線上形式出席)

Language 語言 : English (With simultaneous interpretation service)
英語 (附設即時傳譯服務)

Remarks 備註 : Free admission (Please scan the QR Code to register online) CPD Available
免費登記 (請掃描二維碼登記) · 可申請持續進修專業學分



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Time 時間	Proposed Programme Rundown 暫定程序表
AM SESSION 上午時段	
10:30AM – 10:40AM	<p>Welcome Remarks by Mr Victor Choi, Chairman, Hong Kong Electronics & Technologies Association 香港電子科技商會主席 蔡劍誠先生致歡迎辭</p> <p>Group Photo with Guest of Honour 與主禮嘉賓合照 Guest of Honour: Prof Dong SUN, JP, Secretary for Innovation, Technology and Industry Bureau 主禮嘉賓: 創新科技及工業局局長 孫東教授, JP</p>
10:40AM – 11AM	<p>Latest ESG Trends and Opportunities Ms Sammie Leung, Partner, Regional ESG Services, PwC Asia Pacific 羅兵咸永道亞太區 ESG 服務合夥人 梁小慧女士</p> 
11AM – 11:20AM	<p>6 Tech Trends for Cities Mr Boudewijn Pesch, Vice President Asia Pacific, Axis Communications 安訊士網絡通訊</p> 
11:20AM – 11:40AM	<p>A Better Future with Web 3.0 and the Metaverse Mr Yat Siu, Co-founder & Executive Chairman, Animoca Brands</p> 
11:40AM – 12NN	<p>Low Power SerDes—Key to the Bandwidth Explosion Future Dr Haoli Qian, Vice President of Engineering, Credo Semiconductor</p> 
12NN – 12:45PM	<p>Panel Discussion Moderator: Dr Nim Cheung, Chairman, Symposium on Innovation & Technology Organising Committee Panellists: Speakers of the Symposium (Both AM & PM Sessions)</p>

PM SESSION 下午時段	
2:30PM – 2:50PM	<p>Safe and Low-Cost Aqueous Energy Storage Technologies and Their Applications Prof Yi Chun Lu, Professor, Department of Mechanical and Automation Engineering, The Chinese University of Hong Kong 香港中文大學機械與自動化工程學系教授 盧怡君教授</p> 
2:50PM – 3:10PM	<p>Semiconductors – A Foundational Technology for Artificial Intelligence Prof Philip Wong, Professor of Electrical Engineering, Willard R. and Inez Kerr Bell Professor in the School of Engineering, Stanford University 美國史丹福大學</p> 
3:10PM – 3:30PM	<p>3R to 5R - Innovative Biodegradable Materials complementing Recycling for Carbon Footprint Reduction Dr Peter Lee, Director of Research and Development (Environmental), Nano and Advanced Materials Institute 納米及先進材料研發院研究發展總監(環保) 李偉文博士</p> 
3:30PM – 3:50PM	<p>VCSEL Technology & Innovations for ICT, Metaverse and beyond Dr Babu Dayal Padullaparthi, Formerly JSPS Postdoc and Research Fellow at Microsystems Research Centre, Precision & Intelligence Lab, Tokyo Institute of Technology 東京工業大學</p>
3:50PM – 4:00PM	<p>Decentralising Healthcare: Preventive Screening and Chronic Disease Management with Portable Self-Test Medical Imaging Mr Justin Chan, CEO & Co-founder, Gense Technologies 尖思科研行政總裁及聯合創辦人 陳柏衡先生</p> 
4:00PM – 4:10PM	<p>Making Plant-based Pork Enjoyed by the Mass through Innovation Dr Andrew Leung, Co-Founder, Good Food Technologies 好食科技聯合創辦人 梁毓強博士</p> 

CPD Applications 持續進修專業學分申請

- 3.5 hours of CPD would be obtained for participants who have attended the event on time in both AM & PM sessions. 準時出席論壇上午及下午兩節之觀眾將可獲得 3.5 小時持續進修專業學分。
- The CPD credits are to be endorsed by the Hong Kong Electronics & Technologies Association (HKETA). Applicants agreed to share the name and email with the HKETA under such practice.
是次論壇之持續進修專業學分由香港電子科技商會頒發。申請者需同意其登記姓名及電郵資料將被分享至其會中資料庫。
- Upon the event completion, the CPD certificates will be distributed via email. Please ensure the name and email address used to access the webinar are correct as they will be served as the information to issue the certificate.
持續進修專業學分證書將於論壇完結後以電郵發送至各申請人。敬請閣下確保在登入論壇時所輸入之姓名及電郵地址無誤，以便妥發證書。

Supporting Organizations 支持機構

Automotive Platforms and Application Systems R&D Centre (汽車科技研發中心)

Business Environment Council

City University of Hong Kong - Department of Electrical Engineering

GS1 Hong Kong

Hong Kong Academy of Engineering Sciences

Hong Kong Applied Science and Technology Research Institute Company Limited

Hong Kong Baptist University

Hong Kong Cyberport

Hong Kong Electronics Industry Council

Hong Kong IoT Alliance

Hong Kong Medical and Healthcare Device Industries Association

Hong Kong Metropolitan University

Hong Kong Productivity Council

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Nano & Advanced Materials Institute

Smart City Consortium

The Chinese University of Hong Kong - Department of Electronic Engineering

The Education University of Hong Kong

The Hong Kong Electronic Industries Association Limited

The Hong Kong Information Technology Federation

The Hong Kong Institution of Engineers (Electronics Division)

The Hong Kong Polytechnic University - Department of Electronic & Information Engineering

The Hong Kong Research Institute of Textiles and Apparel

The Hong Kong University of Science & Technology - Department of Electronic & Computer Engineering

The Information and Software Industry Association

The Institution of Engineering and Technology

The University of Hong Kong - Department of Electronic & Electrical Engineering

The Hong Kong Exporters' Association

Ms Sammie Leung 梁小慧女士

Partner, Regional ESG Services, PwC Asia Pacific

羅兵咸永道亞太區 ESG 服務合夥人

About the Presentation

ESG and climate issues have been high up on the agenda - globally, regionally and locally. What are the ESG trends and opportunities? How has ESG been factored into key business decisions as a competitive advantage? How can business stay ahead of the game with sustained outcomes?

In this session by Sammie Leung, Regional ESG Services partner from PwC Asia Pacific will share with insights and practical advice of ESG transformation.

About the Speaker

Sammie Leung is the PwC's regional subject matter expert of ESG and climate services covering markets include Hong Kong, Mainland China, Singapore and Taiwan. Sammie is the founding member of the Hong Kong and Mainland China team of 600+ ESG professionals where the PwC ESG practice categorises the key services into four key areas: Sustainable Finance, Responsible Investment, Climate Change and Sustainable Value Chains.

Sammie assists clients in setting science-based target, decarbonisation strategy design and implementation. Sammie also works closely with clients in their TCFD adoption journey, which include identify, assess, quantify, manage, and disclose climate-relating risks and opportunities.

In addition to advising 100+ companies in ESG disclosures, Sammie has in-depth understanding with how the financial services sector integrate ESG and climate-related factors as their risk assessment and investment processes.

Sammie is the partner in charge of developing PwC's proprietary digital assets include the PwC's ESG Reporting Tool and Climate-relating risks assessment Tool (enabled science-model scenario analysis / NGFS framework).

In addition to client serving, Sammie serves the wider community through active participation of knowledge sharing event and the following capacity:

- Sustainability & Climate Taskforce of the Hong Kong Financial Reporting Council
- ESG Working Group of the Hong Kong Securities Institute
- Green Finance expert, Academy of Finance
- ESG Working Group and Policy Working Group of the Hong Kong Green Finance Association
- Audit Committee member of Tung Wah College

梁小慧女士是羅兵咸永道亞太區的 ESG 及氣候相關服務的專家，其服務市場涵蓋香港、中國大陸、新加坡以及台灣。梁女士為羅兵咸永道 ESG 服務團隊之始創成員之一，目前團隊擁有超過 600 位具有環境、社會與治理 (ESG) 專業資質的專家及顧問，並提供四個主要服務領域：可持續金融、社會責任投資、氣候變化以及可持續價值鏈。

梁女士協助客戶設定以科學為基礎的目標、脫碳戰略設計和實踐。她亦和客戶在應用 TCFD 的過程中密切合作，其中包括識別、評估、量化、管理和披露與氣候相關的風險和機遇。

除了為 100 多家公司的 ESG 披露提供建議外，梁女士還深入瞭解金融服務行業如何將 ESG 和氣候相關因素整合為風險評估和投資流程。



梁女士負責開發羅兵咸永道專有數位資產的合夥人，包括羅兵咸永道的 ESG 報告工具和氣候相關風險評估工具（應用科學模型情景分析/NGFS 框架）。

除了客戶服務，梁女士亦廣泛積極通過知識分享活動以及以下公職回饋社會：

- 香港財務匯報局可持續發展及氣候專案小組
- 香港證券及投資學會 ESG 工作小組
- 香港金融學院 (AoF) 綠色金融專家
- 香港綠色金融協會 (HKGFA) ESG 工作小組及政策工作小組
- 東華學院審核委員會會員

Mr Boudewijn Pesch

Vice President Asia Pacific, Axis Communications 安訊士網絡通訊

About the Presentation

As cities get smarter, they redefine and readapt urban ecosystems to new ways of functioning and living for citizens. The acceleration of 6 technology trends, as a result of the pandemic over the last 2 years, has also brought about many changes to city structures that it sometimes feels like we've fast forwarded into the future – and the future is now.

Smart cities are built on a number of layers that interconnect and determine how a city functions. Key technologies such as 5G, cybersecurity, digital transformation, smart energy and mobility, have spawned new applications and usage scenarios that not only transforms and adapts to citizens' needs, but also simplifies urban planning and enhances quality of life.

A review of the 6 technology trends identified by Axis gives us a glimpse into how cities will continue to evolve as we set our sights on 2023 and beyond. We will also share 3 global cases to illustrate how innovation and technology drives the evolution and success of secure, sustainable cities.

About the Speaker

Based in Singapore, Boudewijn Pesch is Vice President for Axis Communications Asia Pacific. In this role, he is responsible for developing Axis' strategy, accelerating business growth, and overseeing the expansion of Axis' portfolio in the Asia Pacific region.

Boudewijn is a global telecom veteran with more than 25 years of experience and proven track record managing multiple business transformations with strong growth.

Prior to joining Axis in 2019, Boudewijn was head of business operations and strategy for the Japanese and Asia Pacific theatre of Oracle Communications.

Before that, he served as Chief Representative at CMG where he successfully expanded the company's presence to China. His contributions resulted in a promotion to Managing Director of CMG Asia-Pacific (later known as LogicaCMG and now CGI) and relocation to Singapore where he managed the regional offices. As Managing Director for LogicaCMG's telecom products, Boudewijn expanded business presence in new emerging markets, including Pakistan, Bangladesh, Vietnam and Thailand.

Boudewijn holds a master's degree in management studies and a bachelor's degree in engineering. He regularly speaks at industry conferences and CxO meetings. When he is not working, Boudewijn enjoys adventure mountain biking and has cycled in less travelled places like the Karakoram mountains in Pakistan, the high Andes in Peru, the Atlas mountains in Morocco and the Tibetan Plateau.



Mr Yat Siu

Co-founder & Executive Chairman, Animoca Brands

About the Speaker

Veteran technology entrepreneur/investor Yat Siu is the co-founder and executive chairman of Animoca Brands, a global leader in blockchain and gaming with the goal to provide property rights for virtual assets. Yat began his career at Atari Germany, then established Hong Kong Cybercity/Freenation, the first free web page and email provider in Asia. In 1998 he set up Outblaze, an award-winning pioneer of multilingual white label web services. After selling one of its business units to IBM, he pivoted Outblaze to incubate digital entertainment projects. One of those projects is Animoca Brands.



Yat has numerous accolades, including Global Leader of Tomorrow at the World Economic Forum, Young Entrepreneur of the Year at the DHL/SCMP Awards, and recognition as one of Cointelegraph's top 100 notable people in blockchain. A classically trained musician, Yat is a member of the advisory board of BAFTA (British Academy of Film and Television Arts) and a director of the Asian Youth Orchestra.

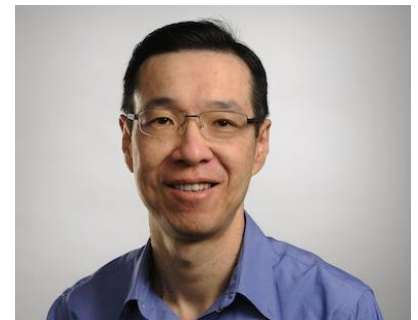
Dr Haoli Qian

Vice President of Engineering, Credo Semiconductor

About the Presentation

As the internet usage skyrockets for average person, cloud computing, AI, autonomous driving, and data collecting, analyzing, and monetizing for all kinds of business, the bandwidth explosion is happening in front of our eyes right now and will continue its exponential curve in the foreseeable future.

However, with the physical limits on energy generation and storage, thermal dissipation efficiency, and device or equipment sizes evolving at a snail speed compared to the growth rate on the need for more bandwidth, the crave for more power efficient high speed I/O technology starts to overweight all other considerations. Super high speed SerDes is becoming the key technology to enable next generation applications in mega datacenters, cloud computing, AI acceleration, autonomous driving, and even consumer electronics.



In this presentation, we will provide a brief overview of the history of Credo's company growth and its technology development. The presentation will also touch on a variety of low power SerDes technologies that Credo developed over many advanced process nodes to address different reach needs existing in the datacenters and other applications. We will show how does Credo's unique low power SerDes technology make a meaningful impact on today and tomorrow's datacenter deployments and consumer electronics applications.

About the Speaker

Dr. Haoli Qian has over 20 years of communication system architect experience with deep knowledge and insights in mixed-signal architecture optimization. He is Credo's Vice President, Engineering. Prior to Credo, Dr. Qian was the design manager and system architect leader for Marvell Ethernet Products. He received degrees from University of Buffalo and Tsinghua University.

Prof Yi Chun Lu 盧怡君教授**Professor, Department of Mechanical and Automation Engineering, The Chinese University of Hong Kong**
香港中文大學機械與自動化工程學系教授**About the Presentation**

Energy storage system is a critical enabling factor for deploying unstable and intermittent renewable power sources, such as solar and wind power sources. Non-aqueous lithium ion batteries dominate the battery markets owing to its high energy density. However, they are flammable, which could bring catastrophic damages in large-scale applications. Redox flow batteries are promising technologies for large-scale electricity storage, owing to its design flexibility in decoupling power and energy capacity. However, redox flow batteries have been suffering from low energy density, which significantly decreases its competitiveness for both stationary and transportation applications. In this presentation, we will discuss strategies to improve the safety, energy density, and cycle life of Li-ion batteries and redox flow batteries. Ultimately, we aim to enable stable and efficient high-energy-density energy storage systems to address the severe intermittency of the renewable power sources. This will bridge the gap between intermittent renewable power supplies and power demands in grid-storage and electric-vehicles.

**About the Speaker**

Prof. Yi-Chun Lu received her Ph.D. degree in Materials Science & Engineering from the Massachusetts Institute of Technology in 2012. She is currently a Professor at The Chinese University of Hong Kong (CUHK). Prof. Lu is the Fellow of The Royal Society of Chemistry, Founding Member of Young Academy of Science of Hong Kong, and was the recipient of the RGC Research Fellow (2022), Xplorer Prize (2021), International Battery Materials Association (IBA) Early Career Award (2021), Top 10 Falling Walls Science Breakthroughs of the Year Award (2020), Excellent Young Scientists, National Natural Science Foundation of China (2019), Hong Kong SAR Research Grants Council Early Career Award (2014) etc. Her research interest centers on developing fundamental understandings and material design principles for clean energy storage and conversion. In particular, her research group focuses on electrode and electrolyte design for high-energy aqueous batteries, metal-air and metal-sulfur batteries; redox-active components and solution chemistry for redox-flow batteries; mechanistic understanding of interfacial phenomena governing electrochemical energy conversion and storage processes.

Prof Philip Wong**Professor of Electrical Engineering, Willard R. and Inez Kerr Bell Professor in the School of Engineering,**
Stanford University 美國史丹福大學**About the Presentation**

The artificial intelligence (AI) revolution has been made possible by advances in three areas: first, the availability of large data sets for machine learning; second, computers sufficiently powerful to process this large volume of data; finally, the development of new AI algorithms. Two out of three of these advances were made possible with semiconductor technologies.

I will start with an overview of semiconductor technology – a foundational technology for AI and machine learning (ML). I will illustrate how system level performance is advanced by the underlying device and process technologies. In the coming decades, three-dimensional (3D) heterogeneous integration of domain-specific device technologies will improve computing energy efficiency to fulfill society's expectations of AI/ML: smart cities, self-driving cars, personalized medicine, virtual and augmented reality, and applications that one cannot even dream of today. I will give



examples of compute-in-memory chips that feature RRAM integration with CMOS logic as an illustration of how future 3D systems may be designed.

Semiconductor technology is the foundation for economic security. I will close with a personal observation of how Hong Kong may participate in the development of semiconductor technology and hardware chips for AI.

About the Speaker

H.-S. Philip Wong is the Willard R. and Inez Kerr Bell Professor in the School of Engineering at Stanford University. He joined Stanford University as Professor of Electrical Engineering in 2004. From 1988 to 2004, he was with the IBM T.J. Watson Research Center. From 2018 to 2020, he was on leave from Stanford and was the Vice President of Corporate Research at TSMC, the largest semiconductor foundry in the world, and since 2020 remains the Chief Scientist of TSMC in a consulting, advisory role. He is a Fellow of the IEEE and received the IEEE Electron Devices Society J.J. Ebers Award, the society’s highest honor to recognize outstanding technical contributions to the field of electron devices that have made a lasting impact, as well as the IEEE Andrew S. Grove Award, the IEEE Technical Field Award to honor individuals for outstanding contributions to solid-state devices and technology. He is the founding Faculty Co-Director of the Stanford SystemX Alliance – an industrial affiliate program focused on building systems, the faculty director of the Stanford Non-Volatile Memory Technology Research Initiative (NMTRI), and the faculty director of the Stanford Nanofabrication Facility. He received his B.Sc. (Hons), MS, PhD degrees from the University of Hong Kong, State University of New York at Stony Brook, and Lehigh University, respectively, and is an Honorary University Fellow of the University of Hong Kong.

Dr Peter Lee 李偉文博士

Director of Research and Development (Environmental), Nano and Advanced Materials Institute
納米及先進材料研發院研究發展總監(環保)

About the Presentation

The current pandemic poses many environmental challenges including the explosive increase of landfill wastes from take away meals and face masks. The current focus on the 3R (Reuse, Reduce, Recycle) is necessary but insufficient to tackle plastic pollution. Novel materials and technologies are in great demand to tackle these challenges and the ESG mandates from many industries to minimize carbon footprint. Biodegradable alternative materials are not developed to replace 3R, but to expand 3R to include Replacement of plastics and Recover in landfill; hence, 3R evolves to the new concept of 5R. In this seminar, we will present innovative biodegradable materials and how they can be used in complement to recycling to lower overall carbon footprint in development of sustainable products. In addition, a high volume direct carbon reduction microalgae technology will be introduced.



About the Speaker

Dr. Peter Lee joined Nano and Advanced Materials Institute (NAMI) in 2009, leading the institute’s collaboration with industries to develop and commercialize innovative technologies and materials. NAMI’s applied research focuses on five market sectors including Environmental Technologies, Electronics, Energy, Healthcare, and Construction/Building Materials. He is currently the Director of R&D on Environmental Technologies at NAMI with focus on development and commercialization of technologies in air and water purification, green coatings, waste recycling as well as biodegradable materials at NAMI.

Before joining NAMI, Dr. Lee had worked in semiconductor and photovoltaic industries in the United States for more than 20 years. He has over 30 publications and holds more than 30 patents.

Dr Babu Dayal Padullaparthi

Formerly JSPS Postdoc and Research Fellow at Microsystems Research Centre, Precision & Intelligence Lab, Tokyo Institute of Technology 東京工業大學

About the Presentation

A semiconductor laser that emits light either in horizontal or vertical direction at a given wavelength on a substrate with controlled speed, power or beam divergence can be called a Photonic Chip. A vertical-cavity surface-emitting laser (VCSEL) act as a building block of a Photonic Chip and these are currently transitioned from a rapid growth to full digital maturity, attracting over US\$ 12 Billion markets by 2030 [1]. These built-in next-generation smart optical sensors with various benefits such as flexibility in compactness (Size), light Weight and high Power performance in adverse (SWaP) environments that connected to high-speed internet to perform seamless operation of various pre-programmed functions are strongly influencing the landscape of ICT, IoT and Metaverse.



Over the past 4.5 decades, VCSEL technology and its R&D innovations show exploding commercial applications as advanced photonic chips in numerous industries. These include 1D or 2D arrays of multi-mode VCSEL photonic chips as high-speed (112 or 224 Gb/s) Data communications for short-reach (100m+) optical interconnects in Datacenters, high power sensing & imaging in consumer electronics (smart phone face ID, proximity sensing, flood illumination up to 20m+), addressable scan and flash LiDARs in ADAS in automotive/Intelligence transport up to 300m+), smart optical sensors in Metaverse (AR/MR, Smart Glasses, Drones & Robotics), Security and Surveillance in Defense (night vision illumination and directed energy systems as High Energy Lasers up to few km with over 1kW/mm² pulse power densities), industrial (kW level power densities) for digital heating/additive manufacturing/3D printing etc. Besides, single-mode & polarization controlled VCSELs also find various applications in laser printing, gas sensors, bio-medical (OCT, blood oxygen monitoring through wearables, endoscopy, neuromorphic computing), long distance optical and quantum communications etc. In this talk the author will discuss technology and innovations of GaAs based VCSELs and its extension to other technologies (GaN, Ge, GaSb, InP, Si platforms) to cover the Photonic Chip products from UV to Mid-IR regions of EM spectrum.

[1] Babu Dayal PADULLAPARTHI, Jim A TATUM, and Kenichi IGA; VCSEL Industry: Communication and & Sensing, IEEE-Wiley Press, New York (2021)

<https://ieeepress.ieee.org/wiley-ieee-press-awards/>

About the Speaker

Babu Dayal PADULLAPARTHI (Ph.D. from IIT Delhi) has been the Co-Founder and Executive Director of VQuanta PLC, founded in in September 2022 in New Delhi, India. He also founded Photonic Components DFM Ltd., HK (2017), and founding member of AIS Laser Technology Company Ltd. (2020) in Hong Kong to provide professional services in development of VCSEL Photonic Chips. He held many senior executive roles in (SAE Magnetics HK Ltd, A TDK Company in Hong Kong and Sanan Optoelectronics Ltd & SAIC PRC) listed companies in promoting multiple high volume VCSEL product development & manufacturing projects including fund raising. He worked as JSPS Post-Doc in Tokyo Institute of Technology on VCSELs during 2005-09. He received several international Best Poster Awards, Research Scholarships and Fellowships, including Wiley-IEEE Press Professional Book Award for 2022. He has co-authored more than 50 technical papers, one book on VCSEL Industry, co-inventor of 31 patents, and is a member of IEEE (Photonics and Communications Societies), Optica (formerly OSA) & SPIE.

Mr Justin Chan 陳柏衡先生**CEO & Co-founder, Gense Technologies**

尖思科研行政總裁及聯合創辦人

About the Speaker

Justin is the co-founder and CEO of Gense Technologies, a medtech startup offering an affordable and portable self-help medical imaging device for in-depth health monitoring and preventive screening at home and clinics. The device targets some of the most prevalent and costliest diseases' early detection and chronic disease management for liver, lungs, kidney and more. Gense Technologies is one of the winners of HKTDC's Start-up Express Development Programme in 2020.

As co-founding CEO, Justin is leading a team of 20 PhDs and researchers from Stanford, Cambridge, and Hong Kong. He is also coordinating over 8 partnerships with professors on clinical trials, machine learning, biomedical imaging, and mathematical modelling. He has also led the start-up in winning the Jumpstarter Global Competition, and the Grand Award at Hong Kong ICT Startup Awards.

Justin is collaborating with healthcare distributors from over 20 markets globally to set up local deployment pipeline, including hospital network, clinic chains, health insurers, and multinational conglomerates.

Justin received his MPhil in Finance and Economics from the University of Cambridge and bachelor's degree from the University of Warwick. He is also a Forbes 30 Under 30 and Tatler GenT recipient.

**Dr Andrew Leung 梁毓強博士****Co-Founder, Good Food Technologies**

好食科技聯合創辦人

About the Presentation

Our world is running out of resources to feed the growing population. Find out how this local startup tackles this by innovating on sustainable foods, with their unique proposition, product range and brand direction.

About the Speaker

Dr Andrew Leung Yuk Keung is passionate about sustainability and Chinese food culture. He achieved his PhD degree from Imperial College London in 2019, and has a family background in traditional Chinese F&B.

In 2020, he co-founded Good Food Technologies (GFT). GFT is a Hong Kong based food-tech company focusing on Chinese cuisines. Their first core technology, Aromax™, is plant-based pork fat that mimics animal pork fat which makes their products tastier. GFT is also one of the winners of HKTDC's Start-up Express Development Programme in 2022. Their first brand, PlantSifu is a Chinese cuisine focused plant-based brand, and has launched in retail and food services. Notable clients include 7-11, IKEA, Mott32 and Duddells. GFT had successfully closed their seed round in early 2022 and is expanding their operations to Greater China.



Dr Nim Cheung**Chairman, Symposium on Innovation & Technology Organising Committee****About the Moderator**

Dr Nim Kwan Cheung is Managing Director of Alphotronics Limited, an innovative start-up company in Hong Kong Science Park specialized in 3D photography, LIDAR, and artificial intelligence. He is also director of several listed and start-up companies in Hong Kong. Dr Cheung was Chief Executive Officer of the Hong Kong Applied Science and Technology Research Institute (ASTRI), a 600-member R&D organization in the information and communications area established by the Hong Kong SAR Government. He has founded and served as inaugural director of the National Engineering Research Centre for Application Specific Integrated Circuit Systems, the first National Engineering Centre established in Hong Kong.



Prior to joining ASTRI, Dr Cheung has held different research and senior management positions at AT&T Bell Labs, Bellcore, and Telcordia Technologies. He is a Telcordia Fellow and a Fellow of IEEE. Dr Cheung served as the 18th President of the IEEE Communications Society, a global professional organization with 45,000 members in 180 chapters around the world. He was Editor-in-Chief of the IEEE Communications Magazine, and was appointed Chairman of the IEEE Fellow Committee in 2012-13, where he presided over the selection of all new IEEE Fellows worldwide. He has also chaired and served in different Awards Boards in IEEE.

Dr Cheung received the University of Hong Kong Distinguished Alumni Award in 2010. He is an Honorary Professor of the Chinese University of Hong Kong and served as a Consulting Professor at Stanford University from 2004 to 2009. He was a Council Member of the Hong Kong Research Grants Council from 2009 to 2015. Dr Cheung obtained his B.Sc. degree from the University of Hong Kong, and M.S. and Ph.D. degrees from the California Institute of Technology.