



Hong Kong Academy of Engineering Sciences

香港工程科學院

# HKAES INTERNATIONAL BAY AREA SUMMIT 2023 2023年度國際灣區高峰會議

Supported by the Innovation and Technology Fund, HKSAR  
香港特別行政區創新及科技基金贊助





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## Message 致辭



**Ir Dr Otto Poon, BBS**  
Immediate Past President  
Hong Kong Academy of Engineering Sciences  
香港工程科學院前任院長  
**潘樂陶博士、工程師**

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While the world is at a crossroads of globalization and deglobalization, the Greater Bay Area (GBA) in Southern China's Guangdong Province comprising Guangzhou, Hong Kong, Macao and eight other municipalities with a land mass of 56,000 square kilometers and a population of over 86 million, offers a unique opportunity for people from different parts of the world to participate in its peaceful development in culture, education, professional practices and economy. It has three boundaries, cultures, languages, legal systems, standards and currencies. It is truly an example of how differences are overcome; and institutions and businesses co-exist in harmony.

Hong Kong has the world's leading universities and R&D facilities and is an important services and financial center, while Guangdong has its edge in supply chain and manufacturing, and Macao in leisure and tourism. Comparing with the other three important bay areas of New York notably in services, finance and trade, California in IT and high technology, and Tokyo in engineering and manufacturing, the GBA could be considered as having the successful elements of the other three counterparts. The GBA trades seamlessly with the Mainland and serves global markets effectively in large parts through Hong Kong. It plays an important role in Mainland China's dual circulation strategy offering equal opportunities for investment and operations for businesspeople in different fields all over the world.

The IBA Summit will serve as a platform not only for speakers and delegates to share experiences, exchange ideas, and learn from different bay areas, but also for other technology and business clusters to contribute to the goal of peaceful and harmonious economic growth. The IBA Summit is the Academy's first attempt to build a network of professionals, businessmen and institutions from the bay area economies. It is hoped that the momentum will continue so that the IBA Summit would become an annual or biennial event to be hosted in rotation in different locations to achieve greater understanding, cross fertilization of policies, and sustainable development, setting successful examples for international cooperation in and beyond the bay areas.

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正當世界處於全球化和逆全球化的十字路口，位於中國南部廣東省的粵港澳大灣區（大灣區），包括廣州、香港、澳門和其他八個城市，土地面積56,000平方公里，人口超過8,600萬，為來自世界不同地區人士提供獨特機遇，參與大灣區於文化、教育、專業實踐和經濟方面的和平發展。大灣區涵蓋三個關稅區，以及不同的文化、語言、法律體系、制度和貨幣，確實是體現如何克服地域差異、讓企業和諧共存的範例。

香港擁有世界領先的大學和研發設施，是重要的服務和金融中心；廣東於供應鏈和製造業方面具有優勢，而澳門則於旅遊休閒方面具有特色。相比其他三個重要灣區，包括以服務、金融和貿易作為發展重點的紐約灣區，發展資訊科技和先進技術的加州灣區，以及以工程和生產技術為重點的東京灣區，大灣區可說是具備了三大灣區的成功要素。大灣區與內地貿易無縫銜接，並通過香港有效地開拓國際市場，遍布全球。它在國家的雙循環戰略中扮演重要角色，為全球不同領域的商人提供平等的投資和營商機遇。

「2023年度國際灣區高峰會議」不僅是一個讓演講嘉賓和代表分享經驗、交流思想和向不同灣區學習的平台，同時匯集了科技和商界人才，為實現和平、和諧的經濟增長目標作出貢獻。峰會是香港工程科學院首次構建的一個強大網絡，匯聚灣區經濟體的專業人士、商界領袖和機構。希望峰會繼續保持這股強勁動力，成為每年或每兩年一度的盛會，在不同的地點輪流舉辦，以促進灣區內外的溝通和了解、政策交流和可持續發展，為國際合作樹立成功典範。

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## Message 致辭



**Ir Prof. Jin-Guang Teng, JP**

President, Hong Kong Academy of Engineering Sciences;  
Organizing Committee Chairman, HKAES International Bay Area Summit 2023  
香港工程科學院院長  
「2023年度國際灣區高峰會議」籌委會主席  
滕錦光教授、工程師

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The HKAES International Bay Area Summit was conceived by the Hong Kong Academy of Engineering Sciences (HKAES) under the leadership of its Immediate Past President (IPP), Ir Dr Otto Poon. The Summit received financial support from the Innovation and Technology Fund of Hong Kong Special Administrative Region (HKSAR), to which we are most grateful. I had the honour of being invited to serve as the Chairman of its Organising Committee composed of a group of enthusiastic HKAES Fellows.

The Summit, originally scheduled for May 2022, was postponed due to the COVID-19 pandemic, and we are delighted that we have finally brought this event to fruition. The success of this event is a testament to the hard work and dedication of many individuals. From the organizers and planners to the speakers and attendees, everyone involved has played a vital role in bringing this event to life.

I would like to take this opportunity to thank my fellow members of the Organizing Committee, especially the IPP of HKAES, Ir Dr Otto Poon, and the Deputy Chairman of the Organizing Committee, Ir Prof. Christopher Chao, for their contribution in gathering a distinguished cast of speakers from within and outside Hong Kong to explore and exchange ideas on a range of topics related to innovation, technology and economic development in the Bay Areas, as well as many other aspects.

I would also like to extend my sincerest gratitude to our Plenary Keynote Speakers as well as the speakers and panellists of the Thematic Sessions, Academicians Forum and Forum on Bay Area Economy Outlook 2023 for sharing their wisdom and inspiration.

On behalf of the HKAES, I also wish to express my special gratitude to our Guests of Honour, The Hon Chun-ying Leung, Vice-Chairman of CPPCC National Committee and Former Chief Executive of the HKSAR; The Hon John K C Lee, The Chief Executive of the HKSAR; Prof. Xiaohong Li, President of the Chinese Academy of Engineering; Prof. Guangjun Zhang, Vice Minister of Ministry of Science and Technology of the People's Republic of China; and Ms Xinning Lu, Deputy Director of The Liaison Office of the Central People's Government in HKSAR for addressing us in the Opening Session. I would also like to extend my special gratitude to Ir Prof. The Hon Dong Sun, Secretary for Innovation, Technology and Industry, HKSAR for delivering the Opening Remarks on Day 2 of the Summit.

We are also truly grateful for the active participation of our esteemed participants. I am confident that the “HKAES International Bay Area Summit 2023” will be a fruitful and thoroughly enjoyable event for all.

Last but not least, I would like to extend my sincere thanks to the staff of the HKAES Secretariat and The Hong Kong Management Association for their contributions to the organization of such a major event.

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香港工程科學院「2023年度國際灣區高峰會議」是在其前任院長潘樂陶博士、工程師的領導下構思而來的。峰會得到香港特別行政區創新及科技基金的資助，對此我們深表謝意。而我亦非常榮幸獲邀擔任峰會的籌委會主席，與香港工程科學院一眾充滿幹勁和熱誠的院士一同組織峰會。

由於COVID-19的大流行，原定於2022年5月舉行的峰會被迫推遲。我們很高興峰會最終能以實體形式舉行，亦期待峰會取得豐碩成果。峰會的成功舉辦有賴於各方人士的努力和付出；從組織和策劃單位到演講嘉賓和與會者，所有相關人士都為這次活動的成功舉辦發揮了至關重要的作用。

本人藉此機會感謝籌委會成員，特別是香港工程科學院前任院長潘樂陶博士、工程師和籌委會副主席趙汝恒教授、工程師，感激他們在邀請嘉賓和其他峰會籌備工作中所做出的貢獻。我們有幸為本次峰會邀請到來自本地、中國內地與其他地區的一批專家，就灣區創新、科技和經濟發展的相關主題進行探討和交流。

在此，本人衷心感謝主題會議、分組會議、以及院士論壇和2023灣區經濟展望論壇的所有演講及專題討論嘉賓，到會分享他們的真知灼見。

本人謹代表香港工程科學院特別鳴謝以下主禮嘉賓在開幕式上的致詞或演講：全國政協副主席及香港特別行政區前任行政長官梁振英先生；香港特別行政區行政長官李家超先生；中國工程院院長李曉紅教授；中華人民共和國科學技術部副部長張廣軍教授；和中央人民政府駐香港特別行政區聯絡辦公室副主任盧新寧女士。也感謝香港特別行政區創新科技及工業局局長孫東教授、工程師於峰會第二天致開幕辭。

我們非常感謝與會者的積極參與。本人深信，「2023年度國際灣區高峰會議」將是一場成果豐碩、令人愉快的盛會。

最後，本人謹此向香港工程科學院秘書處和香港管理專業協會的工作人員致意，感謝他們為舉辦如此盛大的活動所做出的貢獻。

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Time

## Programme Rundown: Day 1 Summit (20 Feb 2023)

## Opening Session

08:45

Welcome Speech

**Ir Dr Otto Poon, BBS**

Immediate Past President, Hong Kong Academy of Engineering Sciences; Chairman, ATAL Engineering Group

08:55

Opening Remarks

**The Hon John KC Lee, GBM, SBS, PDSM, PMSM (Video)**

The Chief Executive, The Hong Kong Special Administrative Region

**Prof. Guangjun Zhang (Video)**

Vice Minister, Ministry of Science and Technology of the People's Republic of China

**Ms Xinning Lu**

Deputy Director, The Liaison Office of the Central People's Government in HKSAR

09:25

Summit Speech

**The Hon Chun-ying Leung**Vice-Chairman, The National Committee of the Chinese People's Political Consultative Conference;  
Former Chief Executive, HKSAR

09:45

Opening Plenary  
Keynote Lecture**Prof. Xiaohong Li**

President, Chinese Academy of Engineering

10:15

Break

10:45

Plenary Keynote  
Lecture 2

## Plenary Session 1

**Dr Victor Fung**

Group Chairman, Fung Group

11:15

Plenary Keynote  
Lecture 3**Prof. Zexiang Li**Professor, The Hong Kong University of Science and Technology;  
Founder, XbotPark; Founder, Shenzhen InnoX Academy

11:45

## Luncheon (by invitation only)

13:30

Thematic Session 1:  
Role of Higher EducationThematic Session 2:  
Opportunities and Challenges for Start-ups

Moderator:

**Ir Prof. Alfonso Ngan**Senior Vice President,  
Hong Kong Academy of Engineering Sciences;  
Associate Dean (Research), Faculty of Engineering,  
The University of Hong Kong

Speakers and Panelists:

**Prof. Shiyi Chen**

President of Eastern Institute for Advanced Study

**Prof. Lionel M. Ni**Fellow, Hong Kong Academy of Engineering Sciences;  
President, The Hong Kong University of  
Science and Technology (Guangzhou)**Prof. Yonghua Song**

Rector, University of Macau

**Prof. Rocky Tuan**Vice-Chancellor / President,  
The Chinese University of Hong Kong**Ir Prof. Alexander Wai**Fellow, Hong Kong Academy of Engineering Sciences;  
President and Vice-Chancellor, Hong Kong Baptist University

Moderator:

**Ir Prof. Wallace Leung**Council Member, Hong Kong Academy of Engineering Sciences;  
Distinguished Research Professor,  
Department of Mechanical Engineering,  
The Hong Kong Polytechnic University

Speakers and Panelists:

**Mr Lewis Ho**

Co-Founder &amp; CEO, Avalon SteriTech

**Prof. Jiaya Jia**

Founder &amp; Chairman of the Board, SmartMore Corporation Ltd

**Ms Ying Leung**

Senior Sales Manager, Hai Robotics (HK) Ltd

**Prof. Yunhui Liu**

Co-founder &amp; Chairman, VisionNav Robotics Ltd

**Mr Colin Ng**

Founder &amp; Chief Executive Officer, Greater Bay Biotechnology Ltd

**Mr Harris Sun**

CEO &amp; Founder, RaSpec Intelligence Inspection Ltd

**Dr Miles Wen**

Co-Founder &amp; CEO, Fano Labs Ltd

15:45

Break

16:00

Academics  
Forum

Moderator:

**Ir Prof. Chack Fan Lee, GBS, JP**Past President, Hong Kong Academy of Engineering Sciences; Director of the Jao Tsung-I Petite Ecole, University of Hong Kong;  
Vice-Chair of Council, the Greater Bay Area Association of Academicians

Forum Opening Remarks:

**Prof. Xiaohong Li**

President, Chinese Academy of Engineering

Speakers and Panelists:

**Ir Prof. Ching Chuen Chan, SBS**Senior Advisor, Hong Kong Academy of Engineering Sciences;  
Honorary Professor, Department of Electrical & Electronic Engineering,  
The University of Hong Kong**Ir Prof. Anderson Shum**President, The Hong Kong Young Academy of Sciences;  
Associate Vice-President (Research and Innovation), The University of Hong Kong;  
Professor, Department of Mechanical Engineering, The University of Hong Kong**Ir Prof. Jin-Guang Teng, JP**President, Hong Kong Academy of Engineering Sciences;  
President, The Hong Kong Polytechnic University**Prof. Qikun Xue**

President, Southern University of Science and Technology

**Prof. Dongxiao Zhang**Executive Vice President and Provost,  
Eastern Institute for Advanced Study

18:30

## Summit Banquet (by invitation only)

時間	議程: 高峰會議第一天 (2023年2月20日)	
開幕式		
08:45 歡迎辭	潘樂陶博士、工程師 香港工程科學院前任院長；安樂工程集團主席	
08:55 開幕辭	李家超先生（視頻） 香港特別行政區行政長官 張廣軍教授（視頻） 中華人民共和國科學技術部副部長 盧新寧女士 中央人民政府駐香港特別行政區聯絡辦公室副主任	
09:25 峰會演講	梁振英先生 全國政協副主席及香港特別行政區前任行政長官	
09:45 開幕主題報告	李曉紅教授 中國工程院院長	
10:15	小休	
10:45 主題報告二	主題會議一	
	馮國經博士 馮氏集團主席	
11:15 主題報告三	李澤湘教授 香港科技大學教授；XbotPark機器人基地創始人及深圳科創學院發起人	
11:45	午宴 (只限獲邀人士)	
13:30	分組會議一：高等教育的角色	分組會議二：初創企業的機遇與挑戰
	主持人 顏慶雲教授、工程師 香港工程科學院高級副院長 香港大學工程學院副院長（研究） 演講及專題討論嘉賓： 陳十一教授 東方理工高等研究院院長 倪明選教授 香港工程科學院院士 香港科技大學（廣州）校長 宋永華教授 澳門大學校長 段崇智教授 香港中文大學校長 衛炳江教授、工程師 香港工程科學院院士 香港浸會大學校長	主持人 梁煥方教授、工程師 香港工程科學院理事 香港理工大學機械工程學系傑出研究教授 演講及專題討論嘉賓： 何偉康先生 鎧耀環境衛生科技聯合創始人兼首席執行官 賈佳亞教授 思謀集團創始人及董事長 梁冰瑩女士 海柔創新科技(香港)有限公司高級銷售經理 劉雲輝教授 未來機器人聯合創始人及董事長 伍子龍先生 華港龍生物科技有限公司創始人兼首席執行官 辛子雋先生 維視拍智能檢測有限公司行政總裁兼創辦人 溫豪夫博士 有光集團有限公司創辦人兼首席執行官
15:45	小休	
16:00 院士論壇	主持人 李焯芬教授、工程師 香港工程科學院歷任院長；香港大學饒宗頤學術館館長； 粵港澳大灣區院士聯盟理事會副主席 演講及專題討論嘉賓： 陳清泉教授、工程師 香港工程科學院高級顧問 香港大學電機電子工程系榮譽教授 薛其坤教授 南方科技大學校長	論壇開幕致辭： 李曉紅教授 中國工程院院長 張東曉教授 東方理工高等研究院 常務副院長兼教學長 岑浩璋教授、工程師 香港青年科學院院長；香港大學協理副校長（研究及創新）； 香港大學機械工程系教授
18:30	晚宴 (只限獲邀人士)	





Time

## Programme Rundown: Day 2 Summit (21 Feb 2023)

## Opening Remarks

08:45

Opening Remarks

**Ir Prof. The Hon Dong Sun, JP**

Secretary for Innovation, Technology and Industry, The Hong Kong Special Administrative Region

## Plenary Session 2

08:55

Plenary Keynote  
Lecture 4**H.E. Ambassador George Hara**Group Chairman and CEO, DEFTA Partners;  
Chairman of Board, Alliance Forum Foundation;  
Honorary Professor, Faculty of Medicine, CUHK; and Special Advisor to HKSTP

09:25

Plenary Keynote  
Lecture 5**Prof. Harry Shum**Chairman, Xiaobing.ai;  
Professor-at-large,  
The Hong Kong University of Science and Technology

09:55

Break

10:10

Thematic Session 3:  
Role of Research and InnovationsThematic Session 4:  
Ecosystem for the  
Innovation & Technology Industry

Moderator:

**Ir Prof. Christopher Chao**Honorary Secretary,  
Hong Kong Academy of Engineering Sciences;  
Vice President (Research and Innovation),  
Chair Professor of Thermal and Environmental Engineering,  
The Hong Kong Polytechnic University

Speakers and Panelists:

**Prof. David Cardwell**Pro-Vice-Chancellor (Strategy and Planning),  
University of Cambridge**Prof. Max Shen**Fellow, Hong Kong Academy of Engineering Sciences;  
Vice-President and Pro-Vice-Chancellor (Research)  
The University of Hong Kong**Prof. Harry Shum**Professor-at-large,  
The Hong Kong University of Science and Technology**Mr Peter Yan, JP**

CEO, Hong Kong Cyberport Management Company Ltd

**Prof. Michael Yang**Vice-President (Research & Technology)  
City University of Hong Kong

Moderator:

**Prof. Yuk-Shan Wong, SBS, JP**Chairman of Research Grants Council of Hong Kong;  
Emeritus President of Hong Kong Metropolitan University

Speakers and Panelists:

**Mr Amir Latif**

Consul General, Consulate General of Israel in Hong Kong

**Prof. Junfa Mao**

President, Shenzhen University

**Mr Hendrick Sin**Co-founder, Executive Director & Vice Chairman of  
CMGE Technology Group Ltd**Mr Albert Wong**Chief Executive Officer,  
Hong Kong Science and Technology Parks Corporation

12:10

Luncheon (by invitation only)

13:45

Plenary Keynote  
Lecture 6

## Plenary Session 3

**Mr Fan Yang**

Co-founder, VP, President of SenseCore Business Group, SenseTime

14:15

Plenary Keynote  
Lecture 7**Dr Fumio Arakawa**

Executive Senior Engineer, Global Engineering Institute

14:45

Plenary Keynote  
Lecture 8**Prof. Yongnian Zheng (Video)**Presidential Professor, and Director of The Institute for International Affairs, Qianhai,  
The Chinese University of Hong Kong (Shenzhen)

15:15

Break

15:30

Forum on  
Bay Area Economy  
Outlook 2023

Moderator:

**Ir Prof. Pak Chung Ching, SBS**Past President, Hong Kong Academy of Engineering Sciences;  
Director of Shun Hing Institute of Advanced Engineering, Research Professor of Electronic Engineering, The Chinese University of Hong Kong

Speakers and Panelists:

**Ir Dr Alex Chan, SBS**Senior Vice President,  
Hong Kong Academy of Engineering Sciences;  
Managing Director, ATI Engineering Ltd**Ms Irina Fan**Director of Research,  
Hong Kong Trade Development Council**Mr Andy Wong**Head of Innovation & Technology,  
InvestHK**Ir Dr Otto Poon, BBS**Immediate Past President,  
Hong Kong Academy of Engineering Sciences  
Chairman, ATAL Engineering Group**H.E. Ambassador George Hara**Group Chairman and CEO, DEFTA Partners  
Chairman of Board, Alliance Forum Foundation;  
Honorary Professor, Faculty of Medicine, CUHK;  
Special Advisor to HKSTP**Mr Fan Yang**Co-founder, VP,  
President of SenseCore Business Group,  
SenseTime

## Concluding Remarks

17:30

**Ir Prof. Jin-Guang Teng, JP**President, Hong Kong Academy of Engineering Sciences;  
President, The Hong Kong Polytechnic University



時間

議程: 高峰會議第二天 (2023年2月21日)

## 開幕辭

08:45  
開幕辭

**孫東教授、工程師**  
香港特別行政區創新科技及工業局局長

## 主題會議二

08:55  
主題報告四

**原丈人先生**  
DEFTA Partners集團主席兼行政總裁；Alliance Forum Foundation董事會主席；  
香港中文大學醫學院榮譽教授；香港科技園公司特別顧問

09:25  
主題報告五

**沈向洋教授**  
小冰公司董事長；香港科技大學高等研究院教授

09:55

## 小休

10:10

### 分組會議三：研究與創新的角色

### 分組會議四：創科產業生態系統

#### 主持人

**趙汝恒教授、工程師**  
香港工程科學院名譽秘書；  
香港理工大學副校長（研究及創新）  
熱能與環境工程講座教授

#### 演講及專題討論嘉賓：

**Prof. David Cardwell**  
Pro-Vice-Chancellor (Strategy and Planning),  
University of Cambridge

**申作軍教授**  
香港工程科學院院士；香港大學副校長(研究)

**沈向洋教授**  
香港科技大學高等研究院教授

**任景信先生**  
香港數碼港管理有限公司行政總裁

**楊夢甦教授**  
香港城市大學副校長(研究及科技)  
楊建文講座教授 (生物醫學)

#### 主持人

**黃玉山教授**  
香港研究資助局主席；  
香港都會大學榮休校長

#### 演講及專題討論嘉賓：

**藍天銘先生**  
以色列駐香港總領事館總領事

**毛軍發教授**  
深圳大學校長

**冼漢迪先生**  
中手遊科技集團有限公司聯合創始人、  
執行董事及副董事長

**黃克強先生**  
香港科技園公司行政總裁

12:10

## 午宴 (只限獲邀人士)

## 主題會議三

13:45  
主題報告六

**楊帆先生**  
商湯科技聯合創始人、大裝置事業群總裁

14:15  
主題報告七

**Dr Fumio Arakawa**  
Executive Senior Engineer, Global Engineering Institute

14:45  
主題報告八

**鄭永年教授 (視頻)**  
香港中文大學 (深圳) 前海國際事務研究院院長講座教授

15:15

## 小休

15:30  
2023灣區  
經濟展望論壇

#### 主持人

**程伯中教授、工程師**  
香港工程科學院歷任院長；香港中文大學信興高等工程研究所所長；電子工程學研究教授

#### 演講及專題討論嘉賓：

**陳兆根博士、工程師**  
香港工程科學院高級副院長；  
應科工程有限公司董事總經理

**潘樂陶博士、工程師**  
香港工程科學院前任院長；  
安樂工程集團主席

**楊帆先生**  
商湯科技聯合創始人、  
大裝置事業群總裁

**原丈人先生**  
DEFTA Partners集團主席兼行政總裁；  
Alliance Forum Foundation董事會主席；  
香港中文大學醫學院榮譽教授；香港科技園公司特別顧問

**范婉兒女士**  
香港貿易發展局研究總監  
**黃煒卓先生**  
投資推廣署創新及科技行業主管

## 閉幕辭

17:30

**滕錦光教授、工程師**  
香港工程科學院院長；香港理工大學校長



### Hong Kong Academy of Engineering Sciences (HKAES) 香港工程科學院

Founded in 1994 by eight distinguished engineers in Hong Kong under the leadership of Dr Sze-yuen Chung, GBM, GBE, FREng, JP; Nobel Laureate Prof Charles Kao, GBM, KBE, FRS, FREng; and Prof Yau-kai Cheung, SBS, OBE, FREng, the HKAES is an organisation of Hong Kong's most eminent engineers of various disciplines and leaders of the profession with distinguished achievements in engineering sciences or applications. It aims to promote the advancement of science, art and practice of engineering for the benefit of the public, and to pursue excellence in all fields of engineering.

For details, please visit: [www.hkaes.org](http://www.hkaes.org)

香港工程科學院於1994年，在鍾士元博士，GBM, GBE, FREng, JP、諾貝爾得獎者高錕教授，GBM, KBE, FRS, FREng及張佑啓教授，SBS, OBE, FREng的領導下，由香港八位傑出工程師創立。香港工程科學院由香港的傑出工程師組成，他們來自不同學科，在工程科學或應用方面有卓越的成就，也是業界領袖。香港工程科學院旨在促進工程在科學及實務方面的發展，造福社群。

詳情請瀏覽: [www.hkaes.org](http://www.hkaes.org)

### Council 理事會 2022-2023

#### President 院長



**Ir Prof. Jin-Guang Teng, JP**  
FHKEng, MCAS, CorrFRSE, FHKIE, FStructE, FIIFC, FASCE  
滕錦光教授、工程師

President,  
The Hong Kong Polytechnic University

香港理工大學  
校長

#### Immediate Past President 前任院長



**Ir Dr Otto Lok To Poon, BBS**  
FHKEng, FHKIE, FIMechE, FIET  
潘樂陶博士、工程師

Chairman,  
ATAL Engineering Group

安樂工程集團  
主席

#### Senior Vice Presidents 高級副院長



**Ir Dr Alex Siu Kun Chan, SBS**  
FHKEng, FHKIE, FHKIOA  
陳兆根博士、工程師

Managing Director,  
ATI Engineering Limited

應科工程有限公司  
董事總經理



**Ir Prof. Alfonso Hing Wan Ngan**  
FHKEng, FREng, FHKIE, FIMMM  
顏慶雲教授、工程師

Associate Dean (Research),  
Faculty of Engineering,  
The University of Hong Kong

香港大學  
工程學院副院長 (研究)

#### Vice Presidents 副院長



**Ir Prof. Charles Wang Wai Ng**  
FHKEng, FREng, FHKIE, FICE, FASCE  
吳宏偉教授、工程師

Vice-President of HKUST (Guangzhou);  
Dean of HKUST Fok Ying Tung Graduate School,  
The Hong Kong University of Science and Technology

香港科技大學 (廣州) 副校長;  
香港科技大學霍英東研究生院院長



**Ir Prof. Hoi Sing Kwok**  
FHKEng, FHKIE, FOSA, FIEEE  
郭海成教授、工程師

Visiting Professor,  
Department of Electronic and Computer Engineering,  
The Hong Kong University of Science and Technology;  
Executive Director,  
State Key Laboratory of Advanced Displays and  
Optoelectronics Technologies

香港科技大學  
電子與計算機工程學系講座教授;  
先進顯示與光電子技術國家重點實驗室常務主任

#### Hon. Secretary 名譽秘書



**Ir Prof. Christopher Yu Hang Chao**  
FHKEng, FHKIE, FASME, FASHRAE, FIMechE, FCIIBSE, FSIQAQ  
趙汝恒教授、工程師

Vice President (Research and Innovation)  
Chair Professor of Thermal and Environmental Engineering,  
The Hong Kong Polytechnic University

香港理工大學  
副校長 (研究及創新)  
熱能與環境工程講座教授

#### Hon. Treasurer 名譽司庫



**Ir Prof. Paul Wai Yin Poon**  
FHKEng, FHKIE, FIMechE, FIET, FIEAust  
潘偉賢教授、工程師

Vice Chancellor,  
CLP Power Academy

中電學院校長



## Council Members 理事



**Prof. Nim Kwan Cheung**

FHKEng, FIEEE  
張念坤教授

Managing Director, Alphotonics Limited;  
Honorary Professor,  
Faculty of Engineering,  
The Chinese University of Hong Kong

Alphotonics Limited董事總經理;  
香港中文大學工程學院榮譽教授



**Ir Prof. Paul Kim Ho Chu**

FHKEng, FHKIE, FAPS, FAVS, FIEEE, FMRS  
朱劍豪教授、工程師

Chair Professor, Department of Physics,  
Department of Materials Science and Engineering,  
Department of Biomedical Engineering,  
City University of Hong Kong

香港城市大學物理學系、  
材料科學及工程學系及生物醫學工程學系  
講座教授



**Ir Chi Keung Hon**

FHKEng, FHKIE, FICE  
韓志強工程師

Chief Executive & Secretary,  
The Hong Kong Institution of Engineers

香港工程師學會  
秘書長



**Ir Michael Ka Yue Kwok**

FHKEng, FHKIE, FICE  
郭家耀工程師

Chairman,  
Arup's East Asia Region

奧雅納  
東亞區主席



**Ir Edmund Kwong Ho Leung**

FHKEng, FHKIE, FIMechE, FCIIBSE, FIEAust, HonFIE, HonFCIPHE  
梁廣源工程師

Former Chief Officer,  
Kowloon-Canton Railway Corporation

前九廣鐵路公司  
總裁



**Ir Dr Humphrey Kwong Wai Leung, JP**

FHKEng, FHKIE, MIET  
梁廣偉博士、工程師

Founder and Chief Executive Officer,  
Growgreen Limited;  
Founder and Chairman Emeritus,  
Solomon Systech Ltd

青萌有限公司  
創辦人兼行政總裁;  
晶門科技國際有限公司  
創辦人及永久榮譽主席



**Ir Prof. Wallace Woon Fong Leung**

FHKEng, FHKIE, FASME, FAICHE, FAFS  
梁煥方教授、工程師

Distinguished Research Professor,  
Department of Mechanical Engineering,  
The Hong Kong Polytechnic University

香港理工大學  
機械工程學系傑出研究教授



**Prof. John Chi Shing Lui**

FHKEng, FACM, FIEEE  
呂自成教授

Choh-Ming Li Chair Professor  
Department of Computer Science and Engineering  
The Chinese University of Hong Kong

香港中文大學計算機科學與工程系  
李卓敏講座教授



**Ir Prof. Kwai Man Luk**

FHKEng, FREng, FIEEE, FHKIE, FCIE, FIET  
陸貴文教授、工程師

Acting Head and Chair Professor,  
Department of Electrical Engineering,  
City University of Hong Kong

香港城市大學電機工程學系  
署理系主任及講座教授



**Ir Prof. Chai Kwong Mak, GBS, JP**

FHKEng, FICE, FCILT, FHKIE, FHKIHT  
麥齊光教授、工程師

Honorary Professor,  
The University of Hong Kong

香港大學  
名譽教授



**Prof. Qian Zhang**

FHKEng, FIEEE  
張黔教授

Chair Professor,  
Department of Computer Science and Engineering,  
The Hong Kong University of  
Science and Technology

香港科技大學  
計算器科學及工程學系講座教授



## About the Summit 關於峰會

The Guangdong-Hong Kong-Macao Greater Bay Area (Greater Bay Area, GBA) comprises the two Special Administrative Regions of Hong Kong and Macao, and the nine municipalities of Guangzhou, Shenzhen, Zhuhai, Foshan, Huizhou, Dongguan, Zhongshan, Jiangmen and Zhaoqing in Guangdong Province with a total area of around 56 000 km<sup>2</sup>, population of 86.7 million and GDP of USD 1,958 billion. The development of the GBA is a key national development strategy. It is important for Hong Kong companies to capitalize on cross-border opportunities by leveraging on the unique positioning and reap the benefits of the immense market of the GBA.

The HKAES International Bay Area Summit 2023 is a 2-day high level conference with a theme on innovation, technology, entrepreneurship, and ecosystems aiming to explore ways of sustainable development of GBA. It will showcase a powerful line-up of speakers in the fields of advanced technologies, management, business and governance from New York, California and Tokyo Bay who will share with us their experience in development and operation of Bay Area economies under different technological, industrial and commercial environments. The Summit will enable participants to review the opportunities, challenges and cooperation between different Bay Area economies.

粵港澳大灣區（大灣區）包括香港、澳門兩個特別行政區，和廣東省廣州、深圳、珠海、佛山、惠州、東莞、中山、江門、肇慶九市，總面積約5.6萬平方公里，總人口已經超過8,670萬，地區生產總值達19,580億美元。建設大灣區是國家重要的發展策略。香港企業應充分利用大灣區的獨特定位，把握跨境商機，在大灣區莫大的市場中拓展機遇。

香港工程科學院「2023年度國際灣區高峰會議」是一項為期兩天的高級別峰會，以創新、科技、創業和創科生態系統為題，探討大灣區的可持續發展。峰會演講嘉賓陣容強大，分別來自紐約、加州、東京、中國內地和香港的專家、政府官員、學者與企業翹楚，將就灣區的經濟發展和運營分享真知灼見。峰會讓與會者共同探索不同灣區經濟體之間的发展機遇、挑戰和合作。

## Organizing Committee 籌備委員會



**Ir Prof. Jin-Guang Teng, JP (Chairman)**

FHKEng, MCAS, CorrFRSE, FHKIE, FStructE, FIIFC, FASCE

滕錦光教授、工程師（主席）

President,  
Hong Kong Academy of Engineering Sciences;  
President,  
The Hong Kong Polytechnic University  
香港工程科學院院長；  
香港理工大學校長



**Ir Prof. Christopher Yu Hang Chao**

FHKEng, FHKIE, FASME, FASHRAE, FIMechE, FCIIBSE, FISIQA

趙汝恒教授、工程師（副主席）

Hon. Secretary,  
Hong Kong Academy of Engineering Sciences;  
Vice President (Research and Innovation)  
Chair Professor of Thermal and Environmental Engineering,  
The Hong Kong Polytechnic University  
香港工程科學院名譽秘書；  
香港理工大學副校長(研究及創新)  
熱能與環境工程講座教授



**Ir Dr Alex Siu Kun Chan, SBS**

FHKEng, FHKIE, FHKIOA

陳兆根博士、工程師

Senior Vice President,  
Hong Kong Academy of Engineering Sciences;  
Managing Director,  
ATI Engineering Limited  
香港工程科學院高級副院長；  
應科工程有限公司董事總經理



**Prof. Yike Guo**

FHKEng, FREng, FIEEE, FCAA

郭毅可教授

Fellow, Royal Academy of Engineering;  
Fellow, Hong Kong Academy of Engineering Sciences;  
Provost, The Hong Kong University of  
Science and Technology  
英國皇家工程院院士；香港工程科學院院士；  
香港科技大學首席副校長



**Ir Prof. Wallace Woon Fong Leung**

FHKEng, FHKIE, FASME, FAICIE, FAFS

梁煥方教授、工程師

Council Member,  
Hong Kong Academy of Engineering Sciences;  
Distinguished Research Professor,  
Department of Mechanical Engineering,  
The Hong Kong Polytechnic University  
香港工程科學院理事；  
香港理工大學機械工程學系傑出研究教授



**Ir Prof. Alfonso Hing Wan Ngan**

FHKEng, FREng, FHKIE, FIMMM

顏慶雲教授、工程師

Senior Vice President,  
Hong Kong Academy of Engineering Sciences;  
Associate Dean (Research),  
Faculty of Engineering,  
The University of Hong Kong  
香港工程科學院高級副院長；  
香港大學工程學院副院長（研究）



**Ir Prof. Charles Wang Wai Ng**

FHKEng, FREng, FHKIE, FICE, FASCE

吳宏偉教授、工程師

Vice President, Hong Kong Academy of Engineering  
Sciences; Vice-President of HKUST (Guangzhou);  
Dean of HKUST Fok Ying Tung Graduate School,  
The Hong Kong University of Science and Technology  
香港工程科學院副院長；  
香港科技大學（廣州）副校長；  
香港科技大學霍英東研究生院院長



**Ir Prof. Paul Wai Yin Poon**

FHKEng, FHKIE, FIMechE, FIET, FIEAust

潘偉賢教授、工程師

Hon. Treasurer,  
Hong Kong Academy of Engineering Sciences;  
Vice Chancellor,  
CLP Power Academy  
香港工程科學院名譽司庫；  
中電學院院長



**Prof. Martin Ding Fat Wong**

FHKEng, FIEEE, FACM

黃定發教授

Fellow, Hong Kong Academy of Engineering Sciences;  
Dean of Engineering and Choh-Ming Li Professor  
of Computer Science and Engineering,  
The Chinese University of Hong Kong  
香港工程科學院院士；  
香港中文大學工程學院院長及  
計算機科學與工程學卓越講座教授



**Prof. Qian Zhang**

FHKEng, FIEEE

張黔教授

Council Member,  
Hong Kong Academy of Engineering Sciences;  
Chair Professor,  
Department of Computer Science and Engineering,  
The Hong Kong University of Science and Technology  
香港工程科學院理事；  
香港科技大學計算機科學及工程學系講座教授

### Welcome and Opening Remarks 歡迎辭及開幕辭



**The Hon John KC Lee, GBM, SBS, PDSM, PMSM**

The Chief Executive,  
The Hong Kong Special Administrative Region

李家超先生

香港特別行政區  
行政長官



**Prof. Guangjun Zhang**

Vice Minister,  
Ministry of Science and Technology of the People's  
Republic of China;  
Academician, Chinese Academy of Engineering

張廣軍教授

中華人民共和國科學技術部  
副部長;  
中國工程院院士



**Ms Xinning Lu**

Deputy Director,  
The Liaison Office of the Central People's Government  
in HKSAR

盧新寧女士

中央人民政府駐香港特別行政區  
聯絡辦公室  
副主任



**Ir Dr Otto Poon, BBS**

Immediate Past President,  
Hong Kong Academy of Engineering Sciences;  
Chairman,  
ATAL Engineering Group

潘樂陶博士、工程師

香港工程科學院前任院長;  
安樂工程集團主席

### Summit Speech 峰會演講



**The Hon Chun-ying Leung**

Vice-Chairman,  
The National Committee of the Chinese People's  
Political Consultative Conference;  
Former Chief Executive, HKSAR

梁振英先生

全國政協副主席;  
香港特別行政區前任行政長官

### Opening Plenary Keynote Lecture 開幕主題報告



**Prof. Xiaohong Li**

President,  
Chinese Academy of Engineering

李曉紅教授

中國工程院院長

## Opening Remarks (Day 2)

## 開幕辭 (第二天)



**Ir Prof. The Hon Dong Sun, JP**

Secretary for Innovation, Technology and Industry  
The Hong Kong Special Administrative Region

孫東教授、工程師

香港特別行政區  
創新科技及工業局局長



# Plenary Sessions

## 主題會議



**Plenary Session 1:**  
**Plenary Keynote Lectures 2-3**  
主題會議一：主題報告二至三

**Plenary Session 2:**  
**Plenary Keynote Lectures 4-5**  
主題會議二：主題報告四至五

**Plenary Session 3:**  
**Plenary Keynote Lectures 6-8**  
主題會議三：主題報告六至八

# Plenary Session 1

## 主題會議一

**Chairman 主持人**



**Ir Dr Otto Poon, BBS**

**潘樂陶博士、工程師**

Immediate Past President,  
Hong Kong Academy of Engineering Sciences;  
Chairman,  
ATAL Engineering Group

香港工程科學院前任院長;  
安樂工程集團主席

Ir Dr Otto Poon is a Chartered Engineer, and the Founder and Chairman of ATAL Engineering Group. He is the Immediate Past President of Hong Kong Academy of Engineering Sciences, Past President of Hong Kong Institution of Engineers and Life President of Hong Kong Federation of Electrical and Mechanical Contractors.

Over the years, he served in various government advisory bodies which included Energy Advisory Committee, Advisory Council on the Environment, Council for Sustainable Development, Solicitors Disciplinary Tribunal Panel, and Lift and Escalator Safety Advisory Committee. In addition, he was an Advisor of Bauhinia Foundation Research Centre and now serves in various advisory committees of universities in Hong Kong.

In recognition of his dedicated public and community services, He was conferred University Fellowship by the Hong Kong Polytechnic University, Honorary Degree of Doctor of Technology by Coventry University and Honorary Fellowship by University of Central Lancashire. He was also awarded Honorary Fellowship by Energy Institute, UK and elected as a PolyU Outstanding Alumni, Honorary Member of The Chinese Mechanical Engineering Society and a Fellow of the Hong Kong Academy of Engineering Sciences.

潘樂陶博士、工程師為英國特許工程師及香港安樂工程集團創辦人及主席。目前他為香港工程科學院前任院長，曾任香港工程師學會會長，及為香港機電工程商聯會永遠會長。

多年來曾參與香港特別行政區政府之諮詢委員會工作，當中包括能源諮詢委員會、環境諮詢委員會、可持續發展委員會、律師紀律委員會、升降機及自動梯安全諮詢委員會等。再者，他也曾任智經研究中心顧問，現亦參與香港多所大學的諮詢委員會工作。

為表揚其長期社會公益服務，潘博士工程師獲授予多個獎項，其中包括香港理工大學大學院士、英國考文垂大學榮譽科技博士學位、英國蘭開夏中部大學榮譽院士，並獲選為英國能源學會榮譽資深會員、理工大學傑出校友、中國機械工程學會榮譽會員及香港工程科學院院士。



## Plenary Keynote Lecture 2

## 主題報告二

Speaker 演講嘉賓

**Dr Victor Fung, GBM, GBS****馮國經博士**Group Chairman,  
Fung Group馮氏集團  
主席

Dr Victor Fung is Group Chairman of the Fung Group, a Hong Kong-based multinational operating across the entire supply chain for consumer goods. He is also Chairman of the Asia Global Institute, a think tank researching and engaging on global issues from Asian perspectives.

From 2004-13 Dr Fung was Chairman of the Greater Pearl River Delta Business Council in Hong Kong. He also spearheads research into the Greater Bay Area through the 2022 Foundation, which studies Hong Kong's long-term competitiveness.

Currently, Dr Fung is Chairman of the Civil Service Training Advisory Board and the Global STEM Professorship Scheme Assessment Panel. He is a member of the Governance Committee of the Hong Kong Growth Portfolio, the Exchange Fund Advisory Committee of the Hong Kong Monetary Authority, and a Fellow of the Hong Kong Academy of Finance.

Previously, he held top public appointments in Hong Kong for trade, aviation, education and finance, and senior advisory positions in the Chinese Mainland.

Born and raised in Hong Kong, Dr Fung holds Bachelor and Master degrees in Electrical Engineering from the Massachusetts Institute of Technology and a Doctorate in Business Economics from Harvard University.

馮國經博士為馮氏集團主席。該集團是以香港為基地的跨國企業，旗下業務涵蓋整條消費品供應鏈。馮博士也是香港大學亞洲環球研究所主席，該智庫致力於以亞洲角度研究環球事務。

馮博士在2004至2013年間擔任香港大珠三角商務委員會主席，並通過2022基金會引領大灣區研究項目。該基金會始終致力於香港長期競爭力的研究。

馮博士現任香港特區政府公務員培訓諮詢委員會主席、傑出創科學人計劃評審委員會主席、「香港增長組合」管治委員會成員、外匯基金諮詢委員會成員以及金融學院院士。

此前，他曾在香港貿易、航空、教育和金融領域擔任高級公職，同時也是中國內地多家決策機構的高級顧問。

馮博士在香港出生長大，先後取得美國麻省理工學院電機工程學士及碩士學位和哈佛大學商業經濟博士學位。

## Speech Topic 演講題目

**“The Greater Bay Area:  
An Economic Region Built For The Future”  
「大灣區：未來經濟新灣區」**

## Plenary Keynote Lecture 3

## 主題報告三

Speaker 演講嘉賓



Prof. Zexiang Li

李澤湘教授

Professor,  
The Hong Kong University of Science and Technology;  
Founder of XbotPark;  
Founder of Shenzhen InnoX Academy

香港科技大學教授;  
XbotPark機器人基地創始人;  
深圳科創學院發起人

Prof. Zexiang Li joined the Department of Electronic and Computer Engineering of the Hong Kong University of Science and Technology and is currently a professor of the department. He founded the Automation Technology Center (ATC) and Robotics Institute (RI). He is also the founder of XbotPark and Shenzhen InnoX Academy.

Zexiang Li co-founded several companies with his colleagues and students from the Automation Technology Center, including Googol Tech (the first motion control company in China), DJI (a leading company in UAV and flycam products), QKM Tech (an automation company providing excellent robot products and services to manufacturers world-wide) and ePropulsion (an innovative provider of high-performance marine electric propulsion systems).

In 2019, Prof. Li was selected as co-recipient of the 2019 IEEE Robotics and Automation Award for his influential “contributions to the development of civilian drones, aerial imaging technology, robotics engineering advancement, innovation and entrepreneurship.” In 2020, he was awarded as an innovative and entrepreneurial figure and a model in the 40th anniversary of the establishment of Shenzhen Special Economic Zone.

李澤湘教授現任香港科技大學電子與電腦工程學系教授，松山湖機器人產業基地創始人，深圳科創學院發起人。自1999年創辦中國首家運動控制公司固高科技起，先後與學生創辦大疆創新、李群自動化、逸動科技等知名科技公司。2014年，創辦了松山湖機器人基地（XbotPark），至今已孵化60多家科技企業，包括雲鯨智慧、海柔創新、臥安科技、正浩創新、希迪智駕等多家獨角獸或準獨角獸企業。

李教授主要從事機器人、運動控制、機構學和製造科學等領域的研究，發表論文200多篇，專著4本；創立了機器人在非完整約束下運動規劃這一重要學術領域。他於2007年被選為IEEE Fellow，在國際機器人頂級學術會議ICRA和IROS發表Keynote報告和Plenary報告。2019年，獲電機電子工程師學會機器人與自動化領域國際頂級獎項（IEEE Robotics and Automation Award）。2020年，獲深圳經濟特區建立40周年創新創業人物和先進模範人物（深圳40年40人）。

## Speech Topic 演講題目

“From Labs to Startups: Building of a Startup Ecosystem in the Greater Bay Area”

「從實驗室到科技園的輪迴：  
大灣區端到端科創生態體系建設探索」



# Plenary Session 2

## 主題會議二

**Chairman 主持人**



**Ir Prof. Jin-Guang Teng, JP**

**滕錦光教授、工程師**

President, Hong Kong Academy of Engineering Sciences;  
President, The Hong Kong Polytechnic University

香港工程科學院院長;  
香港理工大學校長

Ir Prof. Jin-Guang Teng, President and Chair Professor of Structural Engineering of The Hong Kong Polytechnic University, is a Member of the Chinese Academy of Sciences, a Corresponding Fellow of the Royal Society of Edinburgh and a Fellow of the Hong Kong Academy of Engineering Sciences.

His main research areas include the structural use of fibre-reinforced polymer (FRP) composites in construction and steel structures. Many of his research findings have been adopted by relevant design codes/guidelines in China, the United States, Europe, the United Kingdom and Australia. The research awards he has received include the State Natural Science Award of China (Second Class) and the IIFC Medal from the International Institute for FRP in Construction (IIFC).

香港理工大學校長及結構工程講座教授，中國科學院院士，愛丁堡皇家學會通訊院士，香港工程科學院院士。主要從事土木工程複合材料結構和鋼結構領域的研究，大量研究成果被中國、美國、歐洲、英國、澳大利亞的相關設計規範或指南所採用。曾獲國家自然科學獎二等獎、國際土木工程複合材料學會首枚學會獎章等獎項。

## Plenary Keynote Lecture 4

## 主題報告四

Speaker 演講嘉賓

**H.E. Ambassador George Hara**

原丈人先生

Group Chairman and CEO, DEFTA Partners; DEFTA Partners集團主席兼行政總裁;  
Chairman of Board, Alliance Forum Foundation; Alliance Forum Foundation董事會主席;  
Honorary Professor, Faculty of Medicine, CUHK; 香港中文大學醫學院榮譽教授;  
Special Advisor to HKSTP 香港科技園公司特別顧問

H.E. Ambassador George Hara is an archaeologist, tech entrepreneur, and venture capitalist.

In private sector, he founded DEFTA Partners in 1984. He was considered one of the most prominent Silicon Valley venture capitalists in the 1990s. He led more than twenty tech companies to success, including Borland, PictureTel, SCO, Tradex, and Unify.

Mr Hara also invested a number of U.S., Israeli and UK companies at early stage, and helped grow them into big tech companies, including Oplus Technologies (Merged with Intel in 2005), Broadware (merged with Cisco in 2007), Transitive Tech (merged with IBM in 2008) and Fortinet (NASDAQ IPO in 2009).

He has served in public office, including as Special Adviser to the Cabinet Office of the Prime Minister of Japan, Special Adviser to the Ministry of Finance, the Prime Minister's Special Commissioner on the Government Tax Panel, as an advisor to the Ministry of Internal Affairs and Communications, and Intergovernmental Ambassador to the United Nations.

Ambassador George Hara also serves as Chairman of the Alliance Forum Foundation, and endeavours to promote the cultivation of new industries for a new era and to foster global leadership around the development of a next-generation core industry.

原丈人先生是一位考古學家、科技企業家和風險投資家。

原先生於1984年在美國創立了DEFTA Partners，並於1990年成為Accel Partners的合夥人。他被認為是1990年代矽谷最傑出的ICT風險投資家之一。

在日本，原丈人曾擔任財務省高級顧問、首相政府稅務委員會特別專員、總務省顧問，以及多個政府委員會的成員，包括日本工業部經濟產業省結構委員會。

他還撰寫了許多文章和出版物，包括2007年由平凡社出版的日本暢銷書《21世紀國富論 - 國家財富的性質和原因調查》，以及2009年由PHP研究所出版的《新資本主義》。

## Speech Topic 演講題目

**“From San Francisco to Hong Kong -  
What GBA can learn from SF Bay Area”**  
**「從舊金山灣區的成功與失敗  
看大灣區未來的發展」**



## Plenary Keynote Lecture 5

## 主題報告五

Speaker 演講嘉賓

**Prof. Harry Shum**

沈向洋教授

Chairman,  
Xiaobing.ai  
Professor-at-Large,  
The Hong Kong University of Science and Technology

小冰公司董事長;  
香港科技大學高等研究院教授

Prof. Harry Shum is a Professor-at-large of Hong Kong University of Science and Technology, Chairman of Xiaobing.ai, and the Founding Chairman of International Digital Economy Academy. He was Executive Vice President of Microsoft's Artificial Intelligence (AI) and Research group until 2020. He was responsible for driving the company's overall AI strategy and forward-looking research and development efforts spanning infrastructure, services, apps and agents. He oversaw AI-focused product groups including Bing. He also led Microsoft Research, one of the world's premier computer science research organizations, and its integration with the engineering teams across the company.

Prof. Shum is an IEEE Fellow and an ACM Fellow for his contributions to computer vision and computer graphics. In 2017 and 2018, he was elected to the National Academy of Engineering of the United States, and the Royal Academy of Engineering of the United Kingdom, respectively.

沈向洋教授為微軟公司前執行副總裁、香港科技大學高等研究院教授(Professor-at-large)、小冰公司董事長、粵港澳大灣區數字經濟研究院創院理事長。他2017年和2018年分別當選美國國家工程院外籍院士和英國皇家工程院外籍院士。

**Speech Topic 演講題目**

**“Introducing Lower Airspace Economy”  
「低空經濟的機遇、挑戰和解決方案」**

# Plenary Session 3

## 主題會議三

**Chairman 主持人**



**Dr Andrew Chan, BBS, JP**

Senior Consultant  
Arup Group

**陳嘉正博士**

高級顧問  
奧雅納(Arup)集團

Dr Andrew Chan is Immediate Past Chairman of the Trustees Board of global Arup Group, one of the world's foremost multi-disciplinary consultancy firms. He has had a 40-year distinguished career with Arup and has been involved in and responsible for some of the world's most celebrated building icons and award-winning infrastructure schemes. In recent years, he has been a prominent figure in technologies and practice of green buildings and sustainable urban developments in Asia.

Dr Chan is a Past President of the Hong Kong Academy of Engineering Sciences, Past President and Gold Medallist (2014) of the Hong Kong Institution of Engineers and Founding Chairman of the Hong Kong Green Building Council. He is also Honorary Fellow of the Hong Kong University of Science and Technology and Fellow of the Royal Academy of Engineering UK.

陳嘉正博士歷任奧雅納工程顧問(Arup)集團信託集團主席、環球副主席及東亞區主席。奧雅納是全球最知名的跨界別工程顧問公司之一，以創新理念和方案，締造全球許多標誌性的建築和基建工程，亦是全球眾多知名基建及建築項目的創意力量，專業服務橫跨人造環境的各個領域，積極引領城市的未來發展。

陳博士多年曾任香港工程科學院院長、香港工程師學會會長並於2014年獲得「香港工程師學會榮譽大獎」、香港綠色建築議會創會主席等。2012年，陳博士獲香港科技大學頒授榮譽院士，同年獲選為英國皇家工程院院士。



## Plenary Keynote Lecture 6

## 主題報告六

Speaker 演講嘉賓

**Mr Fan Yang**

楊帆先生

Co-founder, VP,  
President of SenseCore Business Group  
SenseTime

商湯科技聯合創始人;  
大裝置事業群總裁

Mr Fan Yang is Co-founder and President of SenseCore Business Group at SenseTime. He led the establishment of SenseCore, SenseTime's strategic business, and SenseTime's new-generation artificial intelligence data center, and is currently responsible for the strategic planning and development of SenseTime's ecosystem. On business development, he has led the Company in making remarkable achievements with the business model of "AI+Industry" by joining hands with industries such as smartphones, retail, and smart city. He is the first to introduce and implement the concept of city-level video analysis center, and has successfully built and the company's core pillar business.

楊帆先生現任商湯科技大裝置事業群總裁，負責商湯戰略業務大裝置落地，打造人工智慧基礎設施服務，持續推動人工智慧的應用賦能與生態體系發展。在商湯曾帶領多個部門在手機、零售、智慧城市等行業成功實踐「AI+產業」的創新業務模式，首提並落地城市級視頻分析中心概念，成功打造公司的核心支柱業務。



Speech Topic 演講題目

**"SenseCore – the digital foundation of AI era"**  
**「商湯大裝置 - AI時代的數字底座」**



## Plenary Keynote Lecture 7

## 主題報告七

Speaker 演講嘉賓

**Dr Fumio Arakawa**Executive Senior Engineer  
Global Engineering Institute

Dr Fumio Arakawa, was born in 1940. Graduating the University of Tokyo, he joined in EPDC (J Power) to play his role as a power systems engineer until 2000, when he moved to GEI, Inc. as an Ex. Senior Engineer. In September 2008 he was conferred with Ph. D. in the field of “History of Engineering” from Tokyo Institute of Technology. He has made continuous contribution of papers in ICEE since 2001 to 2022. His topics include power systems planning, innovation, engineering history, education and ethics. He is a member of IEEJ, IEEE, CIGRE, JASTJ & HSSJ.



Speech Topic 演講題目

**“ICEE from 1994 to 2022”**



## Plenary Keynote Lecture 8

## 主題報告八

Speaker 演講嘉賓

**Prof. Yongnian Zheng****鄭永年教授**

Presidential Professor,  
and Director of  
The Institute for International Affairs, Qianhai,  
The Chinese University of Hong Kong (Shenzhen)

香港中文大學(深圳)  
前海國際事務研究院校長講座教授

Prof. Yongnian Zheng is Presidential Professor, and Director of the Institute for International Affairs, Qianhai, the Chinese University of Hong Kong (Shenzhen). He is Editor of Series on Contemporary China (World Scientific Publishing) and Editor of China Policy Series (Routledge). Prof. Zheng received his BA and MA degrees from Beijing University, and his PhD at Princeton University. He was a recipient of Social Science Research Council-MacArthur Foundation Fellowship (1995–1997) and John D and Catherine T MacArthur Foundation Fellowship (2003–2004). He was Research Professor and Director of East Asian Institute, National University of Singapore (2008–2019), the founding Research Director of the China Policy Institute, the University of Nottingham, United Kingdom (2005–2008). He was the founding Editor of China: An International Journal (2003–2020).

鄭永年教授現任香港中文大學(深圳)校長講座教授和前海國際事務學院院長、廣州粵港澳大灣區研究院理事長、上海交通大學政治經濟研究院名譽院長。羅特裡奇出版社(Routledge)《中國政策叢書》(China Policy Series)主編和世界科技書局(World Scientific)《當代中國研究叢書》(Series on Contemporary China)共同主編。

鄭教授先後獲中國北京大學法學學士(1985)、法學碩士(1988)、美國普林斯頓大學政治學碩士(1992)、博士(1995)。1995-1997在美國哈佛大學進行博士後研究。歷任中國北京大學政治與行政管理系助教、講師，新加坡國立大學東亞研究所研究員、資深研究員，英國諾丁漢大學中國政策研究所教授和研究主任、新加坡國立大學東亞研究所所長。

他主要從事中國內部轉型及其外部關係研究。近年來，出版專著和編著近百部，其中，英文專著10部。在國際學術刊物上發表學術論文數十篇。

## Speech Topic 演講題目

**‘How the Greater Bay Area Can Help China  
Overcome the “Middle Technology Trap”  
『大灣區如何助力國家跨越『中等技術陷阱』』**

# Thematic Sessions

## 分組會議



**Thematic Session 1:**  
**Role of Higher Education**  
分組會議一：高等教育的角色

**Thematic Session 2:**  
**Opportunities and Challenges for Start-ups**  
分組會議二：初創企業的機遇與挑戰

**Thematic Session 3:**  
**Role of Research and Innovations**  
分組會議三：研究與創新的角色

**Thematic Session 4:**  
**Ecosystem for the Innovation & Technology Industry**  
分組會議四：創科產業生態系統



# Role of Higher Education

## 高等教育的角色

Moderator 主持人



**Ir Prof. Alfonso Ngan**

顏慶雲教授、工程師

Senior Vice President,  
Hong Kong Academy of Engineering Sciences;  
Associate Dean (Research),  
Faculty of Engineering,  
The University of Hong Kong

香港工程科學院高級副院長;  
香港大學工程學院副院長(研究)

Ir Prof. Alfonso Ngan is Kingboard Professor in Materials Engineering and Chair Professor of Materials Science and Engineering at the University of Hong Kong. He is an expert in the microstructural basis of properties of engineering materials, in particular, crystalline defects and their modeling. His main contributions include a method for correcting viscoelastic effects in nanoindentation measurements of soft materials, understanding of stochastic deformation behaviour in small crystals, an exact formalism of continuous dislocation kinematics, and the discovery of a novel class of metal hydroxides/oxides as stimuli-responsive actuating materials. His research-related honours include the Rosenhain Medal from the Institute of Materials, Minerals and Mining, U.K. (2007), Croucher Senior Research Fellowship (2009), and Guanghua Engineering Science and Technology Prize of the Chinese Academy of Engineering (2020). He is Fellow of the Hong Kong Academy of Engineering Sciences and an International Fellow of the Royal Academy of Engineering in the U.K.

顏慶雲教授、工程師是香港大學建滔材料工程教授和材料科學與工程講座教授。他是工程材料特性的微觀結構基礎的專家，尤其在晶體缺陷及其建模方面。他的主要貢獻包括研發軟材料在納米壓痕測量中校正粘彈效應的方法、小晶體隨機變形行為的機理、連續位錯動力學的精確運動定律，以及作為新型刺激響應驅動材料的金屬氫氧化物。他的研究獎項包括英國材料、礦物和採礦學會的Rosenhain獎(2007年)、裘槎高級研究獎(2009年)和中國工程院光華工程科技獎(2020年)。他是香港工程科學院院士和英國皇家工程院院士。

## Role of Higher Education

## 高等教育的角色

Speaker and Panelist 演講及專題討論嘉賓



**Prof. Shiyi Chen**

陳十一教授

President,  
Eastern Institute for Advanced Study

東方理工高等研究院院長

Prof. Shiyi Chen studied mechanics and received his first degree in 1981 from Zhejiang University. He then had his postgraduate study at Peking University, receiving an MSc degree and a Ph.D. degree in 1984 and 1987, respectively. He was elected as an Academician of the Chinese Academy of Science in 2013, a Fellow of American Physical Society (1995), and a Fellow of the Institute of Physics (2004).

He was the deputy director of the Center for Nonlinear Studies at Los Alamos National Laboratory, USA before he became the Founding Dean of the College of Engineering at Peking University in 2005. He was Dean of Graduate School of Peking University from 2011 to 2015 and then Vice President for Research from 2013 to 2015. From 2015 to 2020, he took office as the President of Southern University of Science and Technology (SUSTech). Now, he is the President of Eastern Institute for Advanced Study.

陳十一教授，男，漢族，1956年10月出生，浙江天台人，1987年7月參加工作，理學博士，中國科學院院士，發展中國家科學院院士。曾任美國Los Alamos國家實驗室非線性研究中心常務副主任、北京大學工學院創院院長、北京大學副校長、北京大學深圳研究生院院長、南方科技大學校長。現任東方理工高等研究院院長。

### Speech Topic 演講題目

**“The Path of Innovative Chinese Universities  
in a New Global Era”**

**「新時代下中國新型大學之路」**



## Role of Higher Education

## 高等教育的角色

Speaker and Panelist 演講及專題討論嘉賓

**Prof. Lionel M. Ni**

倪明選教授

Fellow,  
Hong Kong Academy of Engineering Sciences;  
President,  
The Hong Kong University of Science and Technology (Guangzhou)

香港工程科學院院士  
香港科技大學 (廣州) 校長

Prof. Lionel M. Ni is the Chair Professor of Computer Science and Engineering at the Hong Kong University of Science and Technology (HKUST) and the founding president of the Hong Kong University of Science & Technology (Guangzhou). He was the Provost of HKUST and Vice Rector (Academic Affairs) of University of Macau.

Prof. Ni is a Life Fellow of IEEE and Fellow of Hong Kong Academy of Engineering Sciences. Prof. Ni was Chief Scientist of National 973 Plan Wireless Sensor Network Project (2006–2011) and won the Overseas Outstanding Contribution Award from China Computer Federation in 2009, the First Class Award in Natural Sciences from the Ministry of Education, China in 2010, the Second Class Award in Natural Sciences for Research Excellence from the State Council, China in 2011, and the First Class Award in Science and Technology from the Guangdong Province in 2014.

倪明選教授，香港科技大學電腦與工程系講席教授，香港科技大學(廣州)創校校長，曾任香港科技大學首席副校長及澳門大學學術副校長。倪明選教授是IEEE終身會士，香港工程科學院院士，曾擔任國家973計畫無線傳感網項目首席科學家(2006-2011)，並先後取得中國電腦學會海外傑出貢獻獎(2009)，教育部自然科學一等獎(2010)，國家自然科學二等獎(2011)，以及廣東省科學技術一等獎(2014)。

## Speech Topic 演講題目

**“Innovation of Higher Education  
in International Bay Area”**  
**「創新融合高等教育，建設國際科創灣區」**

## Role of Higher Education

## 高等教育的角色

Speaker and Panelist 演講及專題討論嘉賓



**Prof. Yonghua Song**

宋永華教授

Rector  
University of Macau

澳門大學校長

Prof. Yonghua Song is the Rector (President) of the University of Macau and Director of the State Key Laboratory of Internet of Things for Smart City. He is serving as Vice President of the China Association of Higher Education, Vice President of the Chinese Society of Educational Development Strategy (CSEDS) and Vice President of the Chinese Educators' Association of Macau. He was Pro-Vice-Chancellor of Brunel University, Pro-Vice Chancellor of University of Liverpool, Assistant President of Tsinghua University and Executive Vice President of Zhejiang University. He is a fellow of the Royal Academy of Engineering (UK), a member of Academia Europaea and IEEE fellow. He was awarded Honorary DSc by University of Edinburgh in 2019. In 2020, he won a second prize of the State Scientific and Technological Progress Award and the prize for Scientific and Technological Progress from the Ho Leung Ho Lee Foundation. In 2022, he was awarded the Guanghua Engineering Science and Technology Prize.

宋永華教授現任澳門大學校長和智慧城市物聯網國家重點實驗室主任，中國高等教育學會副會長、中國教育發展戰略學會副會長和澳門中華教育會副會長。曾任英國布魯內爾大學副校長、利物浦大學副校長、清華大學校長助理和浙江大學常務副校長。他是英國皇家工程院院士、歐洲科學院院士和美國電氣與電子工程師學會會士。2019年被英國愛丁堡大學授予榮譽理學博士學位。獲2020年度國家科學技術進步獎二等獎及何梁何利基金科學與技術進步獎，2022年獲光華工程科技獎。

### Speech Topic 演講題目

**“University of Macau’s Experience in Promoting Collaborative Development of Higher Education in the Greater Bay Area”**

**「澳門大學推動  
粵港澳大灣區高等教育協同發展的經驗」**



## Role of Higher Education

## 高等教育的角色

Speaker and Panelist 演講及專題討論嘉賓



Prof. Rocky Tuan

段崇智教授

Vice-Chancellor / President  
The Chinese University of Hong Kong

香港中文大學校長

Prof. Rocky Tuan is a world-renowned biomedical scientist specializing in stem cell science and regenerative medicine. He received a PhD in Life Sciences from Rockefeller University in 1977 and has authored more than 550 research publications. He had held various academic and administrative positions at the University of Pittsburgh and other renowned universities in the US and research leadership position at the National Institutes of Health before he assumed the presidency of CUHK on 1 January 2018.

Prof. Tuan was elected to the fellowships of the National Academy of Inventors (NAI), the Chinese Association of Inventions (CAI), the American Association of Anatomists (AAA), the Orthopaedic Research Society (ORS), and the Tissue Engineering and Regenerative Medicine International Society (TERMIS) in the past few years for his accomplishments in innovation and translational research that bring significant impact on society.

段崇智教授為國際知名生物醫學科學家，專注肌肉骨骼生物學及組織再生研究。他於1977年獲頒紐約洛克菲勒大學生命科學博士學位，迄今發表超過550項著作。於2018年任香港中文大學校長前，他曾任匹茲堡大學不同崗位，領導美國國立衛生研究院的研究項目。

他近年獲選為美國國家發明家學會會士、中國發明協會首屆會士、美國解剖學家協會會士及美國骨科研究學會會士，以表揚他藉創新和轉化研究造福社會的貢獻。

## Speech Topic 演講題目

**“Higher Education: Driver and Incubator of Knowledge-Based Economy”**

**「高等教育作為推動及發展知識型經濟的角色」**

## Role of Higher Education

## 高等教育的角色

Speaker and Panelist 演講及專題討論嘉賓



**Ir Prof. Alexander Wai**

衛炳江教授、工程師

Fellow,  
Hong Kong Academy of Engineering Sciences;  
President and Vice-Chancellor,  
Hong Kong Baptist University

香港工程科學院院士；  
香港浸會大學校長

Ir Prof. Alexander Wai is the President and Vice-Chancellor of Hong Kong Baptist University. Over the years, he has spared no effort in education, academia and research. He is committed to pioneering in innovation and technology, and translational research and making contributions to the development of Hong Kong society, the nation and the world.

Prof. Wai received the Bachelor of Science (Hons) degree from the University of Hong Kong, and his Master and PhD degree from the University of Maryland, College Park. Prof. Wai is an outstanding scholar in fiber optic communications. He has been elected as Fellow of the Optical Society of America (OSA), Fellow of the Institute of Electrical and Electronic Engineers (IEEE) and Fellow of Hong Kong Academy of Engineering Sciences (HKAES). With the approval of the State Ministry of Science and Technology, he is also listed as one of the experts in the National Science and Technology Programme Expert Database.

衛炳江教授、工程師現任香港浸會大學校長，一直致力開拓創新科技，推動研究的轉化應用，為香港社會、國家及世界的發展作出貢獻。

衛教授畢業於香港大學，並於美國馬里蘭大學取得碩士及博士學位。他是光纖通訊研究的傑出學者，並獲選為美國光學學會會士，國際電機與電子工程師學會會士及香港工程科學院院士。此外，他獲國家科學技術部批准，加入《國家科技計劃專家庫》。



**Speech Topic 演講題目**

**“How to Nurture Future Innovative Leaders for the GBA”**

**「如何培養大灣區未來的創新領袖」**





# Opportunities and Challenges for Start-ups

## 初創企業的機遇與挑戰

Moderator 主持人



**Ir Prof. Wallace Leung**

梁煥方教授、工程師

Council Member,  
Hong Kong Academy of Engineering Sciences;  
Distinguished Research Professor,  
Department of Mechanical Engineering,  
The Hong Kong Polytechnic University

香港工程科學院理事;  
香港理工大學機械工程學系  
傑出研究教授

Ir Prof. Wallace Leung is a Distinguished Research Professor of PolyU. He received his BS in Mechanical and Aerospace Engineering from Cornell University, MS and Sc.D. in Mechanical Engineering from MIT. In his 45 years of illustrious career, he has worked on a variety of disciplines, including mechanical, chemical, aerospace, petroleum, material science, mineral processing, and environmental engineering; and water and wastewater treatment both in US industry and academia in Hong Kong. He has authored 3 books, Industrial Centrifugation Technology (McGraw Hill 1998), Centrifugal Separations in Biotechnology (Elsevier 2007 & 2020), and Nanofiber Filter Technologies for Filtration of Submicron Aerosols and Nanoaerosols (Elsevier 2021). He has 55 US patents covering technologies in healthcare, separation/filtration, logistics, energy, new materials, and environmental applications. He was Chairman of many international conferences. He is a fellow and council member of HKAES, and a fellow of ASME, AIChE, AFS and HKIE.

梁煥方教授、工程師為理大傑出研究教授。他在康奈爾大學獲得機械和航空航天工程學士學位，麻省理工學院的機械工程碩士和理學博士學位。在45年輝煌的職業生涯中，他於美國業界和香港學術界從事過各種學科，包括機械、化學、航空航天、石油、材料科學、礦物加工和環境工程，以及食水和污水處理等。他著有3本著作，《工業離心技術》(McGrawHill1998)、《生物技術中的離心分離》(Elsevier 2007 和 2020)和《用於過濾亞微米氣溶膠和納米氣溶膠的納米纖維過濾技術》(Elsevier 2021)。他獲得55項美國專利，涵蓋醫療保健、分離/過濾、物流、能源、新物料和環境應用。他曾任多國際會議的主席。他是香港工程科學院院士和理事會成員，以及美國機械工程師學會、美國化學工程學會、國際文化交流組織和香港工程師學會院士。

# Opportunities and Challenges for Start-ups 初創企業的機遇與挑戰

Speaker and Panelist 演講及專題討論嘉賓



**Mr Lewis Ho**

Co-Founder & CEO  
Avalon SteriTech

何偉康先生

鎧耀環境衛生科技  
聯合創始人兼首席執行官

Mr Lewis Ho joined Avalon BioMedical Management Group (mother company of Avalon SteriTech) in 2019. As Senior Vice President, he oversees the strategic direction and commercialization efforts of public health and environmental hygiene technologies. He co-founded Avalon Steritech and has served as Chief Executive Officer from its inception. He is currently leading the Company's landmark developments including SoftBank Robotics' equity investment and the collaboration with MTRC.

As one of Asia's leading IP and transactional attorneys specializing in the technology and life sciences sectors, Mr Ho has a strong track record in helping companies and their financial sponsors capture, manage, risk assess, evaluate, and monetize their intellectual property assets.

Since 2017, he has been appointed as a domain expert for Hong Kong Science & Technology Park and business advisor to Beyond Ventures.

何偉康先生於2019年加入鎧耀生物醫藥集團(鎧耀環境衛生科技的母公司)。作為公司高級副總裁，何先生負責管理公共衛生業務的戰略方針和市場業務發展。何先生亦是子公司鎧耀環境衛生科技的聯合創始人，並在成立以來擔任首席執行官一職。何先生主導公司多個重要項目，包括軟銀機器人的策略性投資，以及與港鐵公司的合作計畫。

何先生是亞洲最成功的智慧財產權和交易事務律師之一，他專注於科技與生命科學領域，曾協助多間企業及其投資者獲取及管理智慧財產權資產，並為智慧財產權資產提供風險評估、估值和交易。

自2017年以來，何先生獲任命為香港科學園行業專家和海闊天空創投商業導師。

## Speech Topic 演講題目

**“Reshaping Environmental Hygiene with Cobots & CleanTech Innovations”**

**「以協作機器人和創新科技 重塑環境衛生新標準」**



# Opportunities and Challenges for Start-ups 初創企業的機遇與挑戰

Speaker and Panelist 演講及專題討論嘉賓



**Prof. Jiaya Jia**

賈佳亞教授

Founder and Chairman of the Board  
SmartMore Corporation Limited

思謀集團  
創始人及董事長

Prof. Jiaya Jia is an expert in computer vision and artificial intelligence and a tenured member of the Chinese University of Hong Kong faculty. With over 20 years of experience, he has deployed cutting-edge technology to support social development with his team. This includes developing a new generation of intelligent manufacturing platforms, autonomous driving systems and intelligent medical diagnosis systems. Prof. Jia and his students strive to promote technological innovations, achieving great accolades and recognition in both the academic and corporate worlds.

Prof. Jia sought to help lead the Global Industry 4.0 transformation. As such, he founded SmartMore Corporation Limited in 2019. The company focuses on empowering smart manufacturing and digital innovation with advanced technology. SmartMore creates platforms with greater scalability and broader applications through cutting-edge technologies. Realizing digital and intelligent transformation through manufacturing optimization and machine vision. SmartMore has also become a unicorn in 18 months, making it one of the fastest-growing companies in the field.

賈佳亞教授為香港中文大學終身教授，計算機視覺、智慧與電腦影像學等領域的國際頂尖專家。在過去20多年，他帶領研究團隊開發業內聞名的新一代智慧製造平台、自動駕駛平台、智慧醫療診斷系統等，利用尖端技術推動社會發展。賈教授培養出的博士和碩士學生皆在學術界或業界取得了重大成就，為推進科技創新不遺餘力。

賈教授敏銳地捕捉到全球工業4.0的變革機遇，並在2019年創立思謀集團有限公司(SmartMore)，專注於以科創技術引領工業走向高端先進製造，透過製造產業優化演算法、智能機器視覺等前沿技術，持續打造更具拓展性和普惠價值的智能工業和數智創新平台，推動數字化轉型和智能化升級。帶領思謀僅用18個月躋身獨角獸行列。

## Speech Topic 演講題目

**“New Era of Intelligent Manufacturing”  
「智能製造新時代」**

## Opportunities and Challenges for Start-ups 初創企業的機遇與挑戰

Speaker and Panelist 演講及專題討論嘉賓



**Ms Ying Leung**

梁冰瑩女士

Senior Sales Manager  
Hai Robotics (HK) Limited

海柔創新科技(香港)有限公司  
高級銷售經理

Ms Ying Leung graduated from The Chinese University of Hong Kong and The Hong Kong Polytechnic University, with 10 years' experience as business development and operation leader in e-commerce, supply chain, and third-party logistics.

She is a result-oriented leader with successful track record of developing the first automated warehouse for the top global third-party logistics service providers in Hong Kong.

梁冰瑩女士畢業於香港中文大學和香港理工大學。在電子商務、供應鏈和第三方物流方面，具有10年作為業務發展和營運主管的經驗。

梁女士以目標為本，成功為全球頂級的第三方物流服務供應商在香港開發首個自動化倉庫。



Speech Topic 演講題目

**“How Startup Companies Capture the Growth Opportunities in the Greater Bay Area?”  
「初創公司如何抓緊大灣區的發展機遇？」**





# Opportunities and Challenges for Start-ups 初創企業的機遇與挑戰

## Speaker and Panelist 演講及專題討論嘉賓



**Prof. Yunhui Liu**

**劉雲輝教授**

Choh-Ming Li Professor of Mechanical and Automation Engineering  
 Director, T Stone Robotics Institute  
 Director, Hong Kong Centre for Logistics Robotics  
 The Chinese University of Hong Kong; and  
 Co-founder and Chairman, VisionNav Robotics Ltd

香港中文大學  
 卓敏機械與自動化工程教授  
 天石機器人研究所所長  
 香港物流機械人研究中心總監; 及  
 未來機器人聯合創始人及董事長

Prof. Yunhui Liu received B. Eng. degree in Applied Dynamics from Beijing Institute of Technology, M. Eng. degree in Mechanical Engineering from Osaka University, and Ph.D. degree in Applied Mathematics from the University of Tokyo in 1992.

After working at the national Electrotechnical Laboratory of Japan as a Research Scientist, Prof. Liu joined The Chinese University of Hong Kong (CUHK) in 1995 and is currently Choh-Ming Li Professor of Mechanical and Automation Engineering, the Director of the CUHK T Stone Robotics Institute, and the Director/CEO of Hong Kong Centre for Logistics Robotics funded by the InnoHK clusters. He has published more than 500 papers in refereed journals and conference proceedings and was listed in the Highly Cited Authors (Engineering) by Thomson Reuters in 2013. His research interests include vision-based robotics, machine intelligence and their applications in manufacturing, logistics, healthcare and constructions. Prof. Liu has received numerous research awards from international journals and international conferences in robotics and automation and government agencies.

In recent years, he has been actively transferring robotics technologies developed at university labs to industries, and co-founded VisionNav Robotics, CornerStone Robotics, and Zanecon Robotics. He was the Editor-in-Chief of Robotics and Biomimetics and served as an Associate Editor of the IEEE TRANSACTION ON ROBOTICS AND AUTOMATION. He is an IEEE Fellow and a HKIE Fellow.

劉雲輝教授，香港中文大學卓敏機械與自動化工程教授，天石機器人研究所所長，InnoHK創新平台香港物流機械人研究中心行政總裁。日本東京大學數理和資訊工程博士，IEEE Fellow，HKIE Fellow，國家特聘專家。主要研究領域為機器人，機器智慧及其在醫療、物流、建築、先進製造等行業的應用。發表了500多篇論文，2013年被評為SCI工程界高他引的作者；承擔了香港研究資助局（RGC）專題研究專案、國家重大科技專項、InnoHK等資助的20多項研究專案；近年積極開展機器人技術產業化，是未來機器人、築橙科技、康樂思騰機器人等科創企業的聯合創始人。

## Speech Topic 演講題目

**“Transferring Robots from Lab to Industry”  
 「機器人技術轉化之路」**

# Opportunities and Challenges for Start-ups 初創企業的機遇與挑戰

Speaker and Panelist 演講及專題討論嘉賓



**Mr Colin Ng**

伍子龍先生

Founder & Chief Executive Officer  
Greater Bay Biotechnology Ltd

華港龍生物科技有限公司  
創始人兼首席執行官

As Founder and CEO, Mr Colin Ng is responsible for the overall strategy, development and management of Greater Bay Biotechnology (GBBT) which focuses on user-friendly transdermal drug and cell delivery technology including the translation of CityU IP cryomicroneedles technology.

Under his leadership, GBBT has gained high recognition and received many domestic and international awards for their innovative biomedical technology, resulting in generous funding from schemes including CityU HK Tech 300 Angel Fund, HKSTP Ideation, and HKSAR Government's TSSSU.

Prior to GBBT, Mr Ng worked in senior positions at Global 500 enterprises including EY, ANZ Bank, Standard Chartered and has advised clients in the biotechnology and pharmaceutical sectors on strategy, incubation and IPO. He is studying his fourth master degree in biomedical sciences at CityU and has master degrees in Science, Finance and Investment, Business Administration. He is a Fellow (FCPA) of HKICPA, a Chartered Accountant (CA) of CAANZ.

伍子龍先生領導華港龍的整體戰略、發展和管理。在創辦華港龍前，伍先生在安永、渣打銀行等世界500強企業擔任高管，並曾為生物醫藥企業提供戰略、項目孵化、上市等諮詢服務。伍先生在城大生物醫學系在職兼讀他第4個碩士，並擁有房地產、金融和投資、工商管理碩士、會計學士學位。伍先生是香港資深註冊會計師、澳新特許會計師。

## Speech Topic 演講題目

**“Connecting Hong Kong Innovative Biomedical Technology with Greater Bay Area's Industry and Contribute to Society”**

**「對接香港創新生物科技與  
粵港澳大灣區產業鏈，為社會作出貢獻」**



# Opportunities and Challenges for Start-ups 初創企業的機遇與挑戰

Speaker and Panelist 演講及專題討論嘉賓



**Mr Harris Sun**

辛子雋先生

CEO & Founder  
RaSpect Intelligence Inspection Ltd

維視拍智能檢測有限公司  
行政總裁兼創辦人

Mr Harris Sun is a serial entrepreneur. He is passionate in deep tech innovation and dedicated to sustainability development. He founded the company RaSpect Intelligence Inspection Limited in 2017. RaSpect is the leading tech company of AI-powered inspection for built infrastructure. RaSpect leverage AI and big data for sustainability. It has been awarded by international entities in the recognitions of innovation, including “Forbes Asia 100”, “World Summit Awards” and “KPMG Leading PropTech 50 for Greater China”. It has been also endorsed by multiple capital investments, including the Alibaba Entrepreneurs Fund and Mindworks Capital and the ITVF by Hong Kong government.

Mr Sun was named as “The Most Inspiring AI CEOs to watch in 2020” by Industry Wired and “Winner of 2020 AABI Torch Award for Promising Entrepreneur” by Asia Association of Business Incubation. He holds a Bachelor’s degree in computer science from the University of Hong Kong and a Master’s degree in computer science from the Chinese University of Hong Kong.

辛子雋先生是一位連續創業者，熱衷於深度技術研發，致力於可持續發展。他於2017年創立了維視拍智能檢測有限公司。維視拍是建築檢測行業領先的科技公司。維視拍應用人工智慧大資料等高新技術來實現可持續性發展。公司獲得多個國際機構的獎項和備受肯定，其中包括「Forbes Asia 100」、「World Summit Awards」、以及「KPMG Leading PropTech 50 for Greater China」等獎項。公司亦獲得了多家知名創投資本的支持，參與的資本有阿裡巴巴創業者基金和概念資本，以及香港政府的創科創投基金等公司。

他先後被《Industry Wired》雜誌評為「2020年最值得關注的AI CEO」及被亞洲育成協會評為「2020 AABI Torch Award for Promising Entrepreneur」。他本科畢業於香港大學計算器科學，並於香港中文大學計算器科學取得碩士學位。

## Speech Topic 演講題目

**“AI for the Sustainability of Built Infrastructure”  
「人工智慧建築檢測」**

# Opportunities and Challenges for Start-ups 初創企業的機遇與挑戰

Speaker and Panelist 演講及專題討論嘉賓



**Dr Miles Wen**

Co-Founder & CEO  
Fano Labs Ltd

**溫豪夫博士**

有光集團有限公司  
創辦人兼首席執行官

Dr Miles Wen is co-founder and CEO of Fano Labs. He holds a Bachelor degree in Computer Engineering with First Class Honors (minor in Finance) and a PhD degree in Electrical & Electronic Engineering from HKU.

Since 2016, he has been appointed as an Honorary Assistant Professor at HKU. Dr Wen is also a former resident tutor at New College, an alumni of Lee Hysan Hall, former Founding Vice-President of Eta Kappa Nu at HKU, and former Fulbright scholar at Department of Electrical Engineering & Computer Science, UC Berkeley. He is also the author of over 10 academic papers and the inventor of one patent.

溫豪夫博士是有光科技的創辦人兼首席執行官。他於香港大學獲得電腦工程一等榮譽學士，金融學碩士，及電機電子工程博士學位。

自2016年，溫博士成為香港大學榮譽助理教授。他是香港大學日新學院客座導師，利希慎堂校友，IEEE工程榮譽協會前創始副主席，和加州大學伯克利分校富布萊特學者。他是十餘篇學術文章和若干專利的作者。



**Speech Topic 演講題目**

**“Multilingual AI Tech for  
RegTech and WealthTech”  
「多語言AI在合規科技及財富科技的應用」**





# Role of Research and Innovations

## 研究與創新的角色

**Moderator 主持人**



**Ir Prof. Christopher Chao**

**趙汝恒教授、工程師**

Honorary Secretary,  
Hong Kong Academy of Engineering Sciences;  
Vice President (Research and Innovation),  
Chair Professor of Thermal and Environmental Engineering,  
The Hong Kong Polytechnic University

香港工程科學院名譽秘書  
香港理工大學  
副校長 (研究及創新)  
熱能與環境工程講座教授

Ir Prof. Christopher Chao is Vice President (Research and Innovation) and Chair Professor of Thermal and Environmental Engineering of The Hong Kong Polytechnic University (PolyU). He received his BSc(Eng) degree from The University of Hong Kong (HKU), MS and PhD degrees from the University of California, Berkeley, all in Mechanical Engineering. He was Head and Chair Professor of Mechanical and Aerospace Engineering at The Hong Kong University of Science and Technology before and was Dean of Engineering and Chair Professor of Mechanical Engineering at HKU prior to joining PolyU. Prof. Chao is internationally renowned in the area of Built Environment and also a highly cited researcher in the field. He is Fellow of several major professional organizations. He serves as a member of the Sir Edward Youde Memorial Fund Council, Board of Directors of Cyberport and Hong Kong Applied Science and Technology Research Institute, Council of The Hong Kong Institution of Engineers and Hong Kong Academy of Engineering Sciences, etc.

趙汝恒教授、工程師為香港理工大學副校長(研究與創新)和熱能及環境工程講座教授。他以一級榮譽成績取得香港大學機械工程學士學位，隨後取得美國加州大學柏克萊分校機械工程碩士和哲學博士學位。他在加入香港理工大學之前曾經出任香港科技大學機械及航空航天工程學系主任兼講座教授、香港大學工程學院院長及機械工程學講座教授。趙教授在建築能源與環境領域的研究享譽國際，是其中一位最廣獲徵引研究人員。他也是多個主要專業團體的資深會員或院士，現為尤德爵士紀念基金理事會成員、數碼港及香港應用科技研究院董事局成員、香港工程師學會及香港工程科學院理事會成員等。

## Role of Research and Innovations

## 研究與創新的角色

Speaker and Panelist 演講及專題討論嘉賓



**Prof. David Cardwell**

Pro-Vice-Chancellor (Strategy and Planning)  
University of Cambridge

Prof. David Cardwell is Professor of Superconducting Engineering and Pro-Vice-Chancellor responsible for Strategy and Planning at the University of Cambridge.

He was Head of the Engineering Department between 2014 and 2018. Prof. Cardwell, who established the Bulk Superconductor Research Group at Cambridge in 1992, has a world-wide reputation on the processing and applications of bulk high temperature superconductors. He was a founder member of the European Society for Applied Superconductivity (ESAS) in 1998 and has served as a Board member and Treasurer of the Society for the past 14 years. He is an active board member of three international journals, including Superconductor Science and Technology, and has authored over 400 technical papers and patents in the field of bulk superconductivity since 1987. He has given invited presentations at over 70 international conferences and collaborates widely around the world with academic institutes and industry.

Prof. Cardwell was elected to a Fellowship of the Royal Academy of Engineering in 2012 in recognition of his contribution to the development of superconducting materials for engineering applications. He was awarded a Sc.D. by the University of Cambridge in 2014 and an honorary D.Sc. by the University of Warwick in 2015.



**Speech Topic 演講題目**

**“Research for Supporting an  
Inno-tech Economy”**



## Role of Research and Innovations

## 研究與創新的角色

Speaker and Panelist 演講及專題討論嘉賓



Prof. Max Shen

申作軍教授

Fellow,  
Hong Kong Academy of Engineering Sciences;  
Vice-President and Pro-Vice-Chancellor (Research),  
The University of Hong Kong

香港工程科學院院士  
香港大學副校長 (研究)

Prof. Max Shen became the Vice-President and Pro-Vice-Chancellor (Research) of the University of Hong Kong (HKU) in 2021 in concurrence with his appointment as Chair Professor jointly in the Faculty of Engineering (Industrial and Manufacturing Systems Engineering) and the Faculty of Business and Economics. He is also the Dean of Graduate School.

Prof. Shen obtained his PhD from Northwestern University, USA in 2000. He started his academic career as Assistant Professor at the University of Florida in the same year, and joined the University of California, Berkeley in 2004, where he rose through the academic ranks to become Chancellor's Professor and Chair of the Department of Industrial Engineering and Operations Research and Professor of the Department of Civil and Environmental Engineering. He was also a Centre Director at the Tsinghua-Berkeley Institute in Shenzhen and an Honorary Professor at Tsinghua University, China.

Internationally recognized as a top scholar in his field, Prof. Shen is a Fellow of the Institute for Operations Research and the Management Sciences (INFORMS), the President-Elect of the Production and Operations Management Society (POMS), and a past President of the Society of Locational Analysis of INFORMS.

申作軍教授於2021年加入香港大學，現為香港大學副校長(研究)、工程學院工業及製造系統工程系與經管學院的講座教授，並兼任研究學院院長。

申教授於2000年在美國西北大學取得博士學位，同年出任佛羅里達大學助理教授，開展學術生涯。他於2004年加入加州大學柏克萊分校，及後在學術職務上晉升至校長教授及工業工程及運籌學系系主任，以及土木與環境工程系教授。他同時出任清華—伯克利（柏克萊）深圳學院研究中心的主任和清華大學名譽教授。

申教授是其學術領域內深具國際聲譽的頂尖學者，他是Institute for Operations Research and the Management Sciences (INFORMS) 院士(Fellow)，並獲選Production and Operations Management (POM) Society主席，以及是INFORMS的The Society of Locational Analysis前主席。

## Speech Topic 演講題目

**“The Role of Research  
in the Development of GBA”  
「科學研究助力大灣區發展」**



## Role of Research and Innovations

## 研究與創新的角色

Speaker and Panelist 演講及專題討論嘉賓

**Prof. Harry Shum**

沈向洋教授

Professor-at-Large,  
The Hong Kong University of Science and Technology

香港科技大學高等研究院教授

Prof. Harry Shum is a Professor-at-large of Hong Kong University of Science and Technology, Chairman of Xiaobing.ai, and the Founding Chairman of International Digital Economy Academy. He was Executive Vice President of Microsoft's Artificial Intelligence (AI) and Research group until 2020. He was responsible for driving the company's overall AI strategy and forward-looking research and development efforts spanning infrastructure, services, apps and agents. He oversaw AI-focused product groups including Bing. He also led Microsoft Research, one of the world's premier computer science research organizations, and its integration with the engineering teams across the company.

Prof. Shum is an IEEE Fellow and an ACM Fellow for his contributions to computer vision and computer graphics. In 2017 and 2018, he was elected to the National Academy of Engineering of the United States, and the Royal Academy of Engineering of the United Kingdom, respectively.

沈向洋教授為微軟公司前執行副總裁、香港科技大學高等研究院教授 (Professor-at-large)、小冰公司董事長、粵港澳大灣區數字經濟研究院創院理事長。他2017年和2018年分別當選美國國家工程院外籍院士和英國皇家工程院外籍院士。



Speech Topic 演講題目

**“Creating AI Beings:  
Challenges and Opportunities”  
「創造AI Beings：機遇與挑戰」**



## Role of Research and Innovations

## 研究與創新的角色

Speaker and Panelist 演講及專題討論嘉賓



Mr Peter Yan, JP

任景信先生

CEO,  
Hong Kong Cyberport Management Company Limited香港數碼港管理有限公司  
行政總裁

Mr Peter Yan is an industry leader with more than 38 years of experience in the innovation and technology industry. As the CEO of Cyberport, Mr Yan leads the digital technology flagship focusing on talent cultivation, industry development, and the integration of new and traditional economies. Prior to joining Cyberport, Mr Yan was the Executive Director and CEO of SUNeVision. Mr Yan had also held various senior management positions in large consulting and IT services companies including Accenture, Tradelink and Computer and Technologies.

Mr Yan is active in public services. He is a member of the Election Committee (the Technology and Innovation Subsector) and serves on the Council of the City University and the Hong Kong Metropolitan University. Mr Yan is also a member of the Human Capital Committee of the Financial Services Development Council, a member of the Hong Kong Council for Accreditation of Academic and Vocational Qualifications, and various industry or professional organisations in the I&T sector. He is an Adjunct Professor at the Chinese University of Hong Kong, and an Adjunct Associate Professor at the University of Hong Kong.

Mr Yan holds a BBA Degree from CUHK and was conferred the Honoree of the Year by the CUHK Chapter of Beta Gamma Sigma in 2020. Mr Yan is a Distinguished Fellow of the Hong Kong Computer Society and had received Executive Education from the Harvard Business School.

任景信先生擁有超過38年資訊科技行業經驗的業界領袖。任先生為香港數碼港管理有限公司行政總裁，帶領數碼港實踐公眾使命，積極培育人才、推動行業發展及企業轉型，透過數碼科技為香港經濟添注新動力。加入數碼港前，任先生為新意網集團有限公司執行董事及行政總裁，並曾於不同大型顧問服務及資訊科技上市公司出任高級管理職位，包括埃森哲（Accenture）、貿易通電子貿易有限公司及科聯系統集團有限公司。

除熱衷於發展其專業外，任先生積極參與公共事務，現為選舉委員會（科技創新界）委員。任先生尤其關注人才培訓及數碼科技行業之發展，現任香港城市大學及香港都會大學校董會成員、香港金融發展局人力資源小組成員、香港學術及職業資歷評審局成員，以及多個知名業界組織委員會成員，並擔任香港中文大學客席教授及香港大學客席副教授。

任景信先生畢業於香港中文大學工商管理學院，並獲學院于2020年頒授Beta Gamma Sigma榮譽及2021年獲香港電腦學會院士殊榮。任景信先生亦于哈佛商學院進修領袖行政課程。

## Speech Topic 演講題目

**“Entrepreneurship = R&D + Innovation in Action”**  
**「創業 = 研發創意 + 實踐創新」**



## Role of Research and Innovations

## 研究與創新的角色

Speaker and Panelist 演講及專題討論嘉賓



Prof. Michael Yang

楊夢甦教授

Vice-President (Research & Technology)  
Yeung Kin Man Chair Professor of Biomedical Sciences  
City University of Hong Kong

香港城市大學  
副校長 (研究及科技)  
楊建文講座教授 (生物醫學)

Prof. Michael Yang is currently Vice-President (Research and Technology), Chair Professor in the Department of Biomedical Sciences, and Director of both the Tung Biomedical Sciences Centre and Shenzhen Biotechnology and Health Centre of City University of Hong Kong (CityU). He is responsible for "HK Tech 300", the largest university-based entrepreneurship programme in Asia. He received a Bachelor's Degree of Science from Xiamen University, China, a Doctor of Philosophy (PhD) from the University of Toronto, Canada, and postdoctoral training from The Scripps Research Institute, the United States.

Prof. Yang's research interests focus on studying cancer biology and developing biochips and nanotechnology for diagnostics and therapeutic applications. He has published over 280 peer-reviewed scientific papers, received 33 US/China patents, delivered over 150 lectures in international conferences and academic institutions, and trained over 40 PhD graduates and 30 postdoctoral fellows. He co-founded Prenetics and Cellomics, biotech companies based on technologies developed in his laboratory in CityU.

Prof. Yang was listed among the top 2% of the world's most highly cited scientists, according to metrics compiled by Stanford University in 2020 and 2021. He serves on the Hong Kong's Research Grants Council, the Health and Medical Research Fund, and the Innovation and Technology Fund. He holds Honorary Professorships at the Institute of Microsystems of the Chinese Academy of Science, Zhejiang University, and the Army Medical University. He was awarded the "Chunhui Scholar Award" by the Ministry of Education of China in 2003, the "K. C. Wong Foundation Award" in 2004, the "Shenzhen Science and Technology Innovation Award" in 2006, the "Hong Kong Technological Achievement Grand Award" in 2007, the "Natural Science Award, Second-Class" from the Ministry of Education in 2015, the "Wuxi AppTech Life Science and Chemistry Award" in 2016, and a Gold Medal at the 47th International Exhibition of Inventions of Geneva in 2019.

楊夢甦教授現任香港城市大學副校長（研究及科技）、生物醫學講座教授，以及董氏生物醫學中心及深圳生物醫藥科技中心主任。他負責的「HK Tech 300」是亞洲最大的大學創新創業計畫。他分別於廈門大學和多倫多大學獲得學士和博士學位，並在加州斯克利普斯研究所從事博士後研究。

楊教授的研究團隊致力研究腫瘤生物學，並開發生物晶片和納米技術，以應用於疾病診斷和治療。他發表了280多篇同行評審科學論文；獲得33項美國及中國專利；應邀在150多個國際會議和學術機構發表演講。他指導了逾40位博士畢業生及30多位博士後研究員。他亦參與創辦基於城大技術而衍生的生物科技公司Prenetics及Cellomics。

根據2020年及2021年史丹福大學的排名指標，楊教授獲評為論文被高度引用的全球排名前2%科學家。他是香港研究資助局、醫療衛生研究基金，以及創新科技基金成員，還兼任中國科學院微系統所、浙江大學及陸軍軍醫大學榮譽教授。楊教授曾獲中國教育部「春暉學者獎」（2003）、「王寬誠教育基金會學者獎」（2004）、「深圳市創新科技獎」（2006）、「香港工商業獎科技成就大獎」（2007）、教育部「自然科學二等獎」（2015）、「藥明康德生命化學研究獎」（2016），以及第47屆日內瓦國際發明展金獎（2019）。

## Speech Topic 演講題目

**“Creation and Translation of Research Results:  
Opportunities for the Development of  
Innovation Industries in Greater Bay Area”**  
**「源頭創新與科研成果產業化：  
大灣區科創產業的發展機遇」**



# Ecosystem for the Innovation & Technology Industry

## 創科產業生態系統

Moderator 主持人



**Prof. Yuk-Shan Wong, SBS, JP**

黃玉山教授

Chairman of Research Grants Council of Hong Kong;  
Emeritus President of Hong Kong Metropolitan University

香港研究資助局主席;  
香港都會大學榮休校長

Prof. Yuk-Shan Wong is currently the Chairman of the Research Grants Council of Hong Kong and the Emeritus President of Hong Kong Metropolitan University. He obtained his PhD in Biochemistry from McGill University of Canada in 1979. Prior to returning to Hong Kong, Prof. Wong had worked at the University of Toronto in the early 1980s. He has performed teaching, research and administration duties at various universities; namely as the Associate Vice-President for Research and Development of HKUST (1997-98), Chair Professor of Biological Sciences and Vice-President at City University of Hong Kong (1998-06) and Vice President of Administration at the HKUST (2006-14). Prof. Wong's research interests lie mainly in the areas of environmental biotechnology, plant biochemistry and mangrove conservation/utilization. Prof. Wong has also heavily involved in the policy-making of basic education and the development of local higher education system over the years. He had served as the Chairman of the Curriculum Development Council and member of Education Commission (2001-07), a member of University Grants Committee (2005-11) and a member of Hong Kong Council for Accreditation of Academic and Vocational Qualifications (2003-07). Prof. Wong had also served as a member and the Vice Chairman of Advisory Council on the Environment (2001-08), Chairman of the Veterinary Surgeons Board (2010-13), and Chairman of Consumer Council (2013-18).

Prof. Wong is also currently a Hong Kong Deputy to the National People's Congress of China; a member of the Hong Kong Basic Law Committee of the Standing Committee of the National People's Congress of China and a member of the Civil Service Training Advisory Board of the HKSAR Government.

He was also appointed Justice of the Peace (JP) and was awarded the Bronze Bauhinia Star (BBS) and Silver Bauhinia Star (SBS) in 2001, 2004 and 2018 respectively.

黃玉山教授現為香港研究資助局主席、香港都會大學榮休校長。黃教授於1979年在加拿大麥基爾大學取得生物化學博士學位。隨後於多倫多大學從事科研工作，並於80年代初返回香港。他曾於香港多間大學從事教學、研究及行政工作，包括香港科技大學協理副校長(研究及發展)(1997-98)，香港城市大副校長兼生物學講座教授(1998-06)及香港科技大學行政副校長(2006-14)。黃教授的科研領域包括：環境生物科技、植物生化學，紅樹林保育及利用。黃教授曾積極參與基礎教育的政策制定及本地高等教育制度的發展等工作。他曾任課程發展議會主席及教育統籌委員會委員(2001-07)、大學教育資助委員會委員(2005-11)及香港學術及職業資歷評審局委員(2003-07)。黃教授又曾任環境諮詢委員會委員及副主席(2001-08)、獸醫管理局主席(2010-13)及消費者委員會主席(2013-18)。

黃玉山教授為現任港區全國人大代表，全國人大常委會香港基本法委員會委員，及公務員培訓諮詢委員會委員。他於2001年獲香港特區政府委任為太平紳士，並於2004年獲頒授銅紫荊星章、2018年獲頒授銀紫荊星章。

**Ecosystem for the Innovation & Technology Industry 創科產業生態系統****Speaker and Panelist 演講及專題討論嘉賓****Mr Amir Lati****藍天銘先生**Consul General,  
Consulate General of Israel in Hong Kong以色列駐香港總領事館  
總領事

Mr Amir Lati is Consul General of the State of Israel in Hong Kong SAR and Macao SAR from September 2021.

CG Lati has been a career diplomat for the past 22 years and is not new to China and Asia. Right before arriving in Hong Kong, he was Director of North East Asia department at Israel's Ministry of Foreign Affairs' Asia and Pacific division (2019-2021).

He was also Consul General of Israel in Chengdu (2014-2018) and Deputy Consul General of Israel in Shanghai (2006-2010).

He has received an MBA in Finance and Organizational Behavior from Tel Aviv University, MA in Democratic Studies from Open University of Israel and BA in Economics and Chinese Studies from Hebrew University of Jerusalem.

He speaks Hebrew and English, with basic Korean. He has attended Beijing University and is proficient in Chinese.

**Speech Topic 演講題目****“Israel – Origins of the Startup Nation”**

**Ecosystem for the Innovation & Technology Industry 創科產業生態系統****Speaker and Panelist 演講及專題討論嘉賓****Prof. Junfa Mao****毛軍發教授**President,  
Shenzhen University深圳大學  
校長

Prof. Junfa Mao (M'92–SM'98–F'2012), the member of Communist Party of China, was born in August 1965 in Shaoyang County, Hunan. He is a member of the Chinese Academy of Sciences, an electrologist and the President of Shenzhen University. He received the B.S. degree in radiation physics from the National University of Defense Technology, the M.S. degree in experimental nuclear physics from Shanghai Institute of Nuclear Research, Chinese Academy of Sciences, and the Ph.D. degree in electronic science and technology from Shanghai Jiao Tong University. He was a postdoctoral researcher at the Chinese University of Hong Kong and the University of California, Berkeley.

From 2010 to 2022, he worked in Shanghai Jiaotong University, serving as the dean of the School of Electronic Information and Electrical Engineering and the vice president of the university. He worked in Shenzhen University as the president from February 2022. His fields of study include interconnect, package and heterogeneous integration of high speed and RF integrated circuits and systems. He is a chief scientist of the National Basic Research Program (973 Program) of China and a project leader of the Natural Science Foundation of China for Creative Research Groups. He earned the National Natural Science Award, the National Technology Invention Award, the National Science and Technology Advancement Award. He is the director of the Microwave Society of China Institute of Electronics (CIE) and a fellow of IEEE.

毛軍發教授，中共黨員，1965年8月出生於湖南邵陽，工學博士、教授。中國科學院院士，現任深圳大學校長。毛教授在國防科技大學應用物理系輻射物理專業學習，獲學士學位；在中國科學院上海原子核研究所實驗核子物理專業讀碩士研究生，獲碩士學位；在上海交通大學電子工程系電磁場與微波技術專業讀博士研究生，獲博士學位；先後在香港中文大學、美國加州大學伯克萊分校做博士後研究。

2010年至2018年期間任上海交通大學電子資訊與電氣工程學院常務副院長、院長；上海交通大學黨委常委、副校長；2022年2月擔任深圳大學校長。毛教授從事高速電路互連與射頻電子封裝研究，擔任相關領域國家自然基金委創新群體負責人、基礎科學中心負責人以及973首席科學家。曾獲得國家自然科學二等獎、國家技術發明二等獎、國家科技進步二等獎。微波分會主任委員，IEEE Fellow。

**Speech Topic 演講題目**

**“Helping to Build a New Ecology of  
Industry–university–research Cooperation  
in the Greater Bay Area”  
「助力打造灣區產學研合作新生態」**



**Ecosystem for the Innovation & Technology Industry 創科產業生態系統****Speaker and Panelist 演講及專題討論嘉賓****Mr Hendrick Sin****冼漢迪先生**

Co-founder,  
Executive Director & Vice Chairman  
CMGE Technology Group Ltd

中手游科技集團有限公司  
共同創始人、執行董事兼副董事長

Mr Henderick Sin is a co-founder, executive director and vice chairman of the board of directors of CMGE Technology Group Limited (listed on the Stock Exchange with the stock code: 0302). Mr Sin is also the founding and managing partner of China Prosperity Capital Fund, a leading venture capital firm with a primary focus on technology investment. Mr Sin has over 25 years of experience in corporate management, finance and investment banking.

Mr Sin received his triple bachelor's degrees in computer science/mathematics, economics and industrial management from Carnegie Mellon University in May 1996. He graduated from Stanford University with a master's degree in engineering-economic systems and operations research in June 1997. Mr. Sin is the president of the Internet Professional Association, the executive vice-chairman of the board of directors of the Hong Kong Software Industry Association, and a member of the Hong Kong Institute of Directors. Mr Sin has been appointed as a standing member of the fourteenth session of Tianjin Municipal's Committee of Chinese People's Political Consultative Conference. Mr Sin has also been appointed by the Hong Kong Government as a director of Hong Kong Cyberport Management Company Limited, The Board of Advisors of Radio Television Hong Kong, the member of Corruption Prevention Advisory Committee, ICAC. Mr Sin was elected as a member of Election Committee of the Hong Kong Special Administrative Region (Technology and Innovation Sector) in 2021 and received the Medal of Honour awarded from the Government of Hong Kong in the same year.

冼漢迪先生為中手游科技集團有限公司（於聯交所上市，股份代號：0302）之共同創始人、執行董事兼副董事長。冼先生同時是專注投資於科技行業的創投基金國宏嘉信資本的創始管理合夥人。冼先生於企業管理、金融及投資銀行業務方面擁有逾25年經驗。

冼先生於1996年5月畢業於卡內基梅隆大學並取得計算機科學/數學、經濟學和工業管理三個學士學位，於1997年6月畢業於斯坦福大學並取得工程經濟系統和運籌學碩士學位。冼先生為香港互聯網專業協會會長、香港軟件行業協會常務副會長及香港董事學會成員。冼先生獲委任為中國人民政治協商會議天津市第十四屆委員會常務委員。冼先生亦獲香港政府委任為香港數碼港管理有限公司董事、香港電台顧問委員會成員、廉政公署防止貪污諮詢委員會成員。冼先生於2021年當選香港特別行政區選舉委員會（科技創新界）委員，及於同年獲香港政府頒發榮譽勳章。

**Speech Topic 演講題目**

**“The Golden Age of Innovation and Technology,  
the Best Opportunity in the Bay Area”  
「最好的科創時代，最好的灣區機會」**

**Ecosystem for the Innovation & Technology Industry 創科產業生態系統****Speaker and Panelist 演講及專題討論嘉賓****Mr Albert Wong****黃克強先生**Chief Executive Officer,  
Hong Kong Science and Technology Parks Corporation香港科技園公司  
行政總裁

Mr Albert Wong is leading Hong Kong Science and Technology Parks Corporation (HKSTP) on a mission to support tech startups and enterprises on their journey for innovation and growth. He and his team are focusing on nurturing talent, entrepreneurship, connections and commercializing R&D into successful innovation with impact. As CEO of HKSTP since 2016, he has led his team growing HKSTP into Hong Kong's home for unicorns and the city's largest R&D hub with over 11,000 research professionals and 1,100 tech companies.

Mr Wong has 30-plus years of commercial, industrial and leadership experience through roles with various multinationals that have provided him with deep China and Asia-Pacific insight, plus critical understanding of building companies and investment networks, and solving market needs. Prior to HKSTP, he spent 15 years in total with GE at its US headquarters, Asia-Pacific and China. He served as CEO, GE Oil & Gas China, as well as CEO, GE Industrial Solutions Asia Pacific – where he was responsible for M&A, Business Development, Product Management and Business Operations. Prior to GE, he held management and engineering roles at PerkinElmer, Emerson, Caterpillar and Schlumberger.

Mr Wong holds an Engineering Degree from the University of Hong Kong and an MBA from the Chinese University of Hong Kong. Outside of work, he actively contributes to the community. He is a board member of the Hong Kong Sports Institute. An avid runner, he regularly takes part in marathons around the world.

黃克強先生於2016年獲委任為香港科技園公司行政總裁，帶領公司實現支持科技初創及企業，孕育創新成果的使命。黃先生及團隊一直致力培訓創科人才、鼓勵創業家精神及開拓夥伴網路，將科研成果轉化，成為造福人群的科技創新。香港科技園公司建立的創科生態圈持續成長，現時科學園是香港最大的研發基地，吸引眾多獨角獸企業落戶，匯聚超過1,100間科技公司及11,000名科研人員。

黃先生曾於多間跨國企業擔當領導崗位，累積超過30年工商行業管理的廣泛經驗，對中國及亞太區市場有獨到見解，同時在創辦企業、建立投資網路及應對市場需要敏銳的觀察力及深入的瞭解。在加入香港科技園公司前，黃先生曾在通用電氣的美國總部、中國內地及亞太區工作達15年，分別擔任通用石油天然氣（中國）及通用工業解決方案（亞太區）行政總裁，負責合併與收購、業務發展、產品管理及商業營運等。他亦曾在PerkinElmer、艾默生、Caterpillar及斯倫貝謝等多間大型企業擔任管理及工程職位。

黃先生持有香港大學電機工程學士學位及香港中文大學工商管理碩士學位。在工作以外，他亦積極回饋社會，現為香港體育學院董事局成員。他熱愛跑步，經常參與世界各地馬拉松賽事。

**Speech Topic 演講題目**

**“Hong Kong's Largest  
Innovation & Technology System”  
「香港最大的創科生態系統」**



# Academicians Forum

## 院士論壇





## Moderator 主持人

**Ir Prof. Chack Fan Lee, GBS, JP** 李焯芬教授、工程師

Past President,  
Hong Kong Academy of Engineering Sciences;  
Director of the Jao Tsung-I Petite Ecole,  
University of Hong Kong;  
Vice-Chair of Council,  
The Greater Bay Area Association of Academicians

香港工程科學院歷任院長;  
香港大學饒宗頤學術館館長;  
粵港澳大灣區院士聯盟理事會副主席

Prof. Chack Fan Lee is an academican of the Chinese Academy of Engineering, a Fellow of the Canadian Academy of Engineering, and a Fellow as well as a past president of the Hong Kong Academy of Engineering Sciences. He specializes in energy and infrastructure engineering, having participated in such projects as the Three Gorges Hydropower Project and the Daya Bay Nuclear Power Project, including the development of innovative solutions to engineering problems such as seismic risk mitigation for dams and nuclear structures, radioactive waste disposal, and dam safety assessment. In his previous capacity as chair professor and pro-vice-chancellor of the University of Hong Kong, he had also contributed to the development and validation of the soil nail technology, which is now widely used as the most common method of landslide hazard mitigation in Hong Kong. Currently, he also serves as a Vice Chairman of The Greater Bay Association of Academicians.

李焯芬教授為中國工程院院士、加拿大工程院院士、香港工程科學院院士及前主席。專業領域為能源工程、基建工程及岩土工程。曾參與三峽大壩、大亞灣核電站等工程建設項目，專責大壩及核電站抗震、核廢料處理、大壩安全評估等科研課題。他擔任香港大學副校長及講座教授期間，曾主持土釘加固斜坡技術開發研究。該技術現已在香港及世界各地廣泛使用。李教授亦為粵港澳大灣區院士聯盟副主席。

## Forum Opening Remarks 論壇開幕致辭

**Prof. Xiaohong Li****李曉紅教授**

President  
Chinese Academy of Engineering

中國工程院院長

Prof. Li Xiaohong, PhD in engineering and an expert in mining safety technology, is a member of the Chinese Academy of Engineering (CAE). He is now Party Secretary and President of CAE. His past positions include Vice Minister of Education of the People's Republic of China, President of Wuhan University, President of Chongqing University. He is a member of the 19th and 20th CPC Central Committees.

Long been committed to the research of water jet technology and its application in coal mine safety engineering, he has made numerous significant research achievements in coalbed methane exploitation and gas disaster prevention in complex coal mines, among which the gas disaster prevention technology, listed as a national major scientific and technological achievements transformation project, has been widely promoted and applied throughout the country and has spawned remarkable economic and social benefits. Prof. Li has been honored with multiple national and provincial scientific and technological progress awards and international academic awards. He has 6 books and over 200 papers published.

李曉紅教授，工學博士學位，礦山安全技術專家，中國工程院院士。現任中國工程院黨組書記、院長，曾任教育部副部長、武漢大學校長、重慶大學校長。第十九屆、二十屆中央委員。

長期致力於水射流技術及其在煤礦安全工程中的應用研究，在煤層氣開採及複雜煤礦瓦斯災害防治方面取得了多項重要研究成果。其中，瓦斯災害防治技術被列為國家重大科技成果轉化專案在全國推廣應用，取得了顯著的經濟和社會效益。曾獲多項國家及省部級科技進步獎和國際學術獎勵，出版著作6部，發表論文200餘篇。



## Speaker and Panelist 演講及專題討論嘉賓

**Ir Prof. Ching-chuen Chan, SBS 陳清泉教授、工程師**

Senior Advisor,  
Hong Kong Academy of Engineering Sciences;  
Honorary Professor,  
Department of Electrical & Electronic Engineering,  
The University of Hong Kong

香港工程科學院高級顧問  
香港大學電機電子工程系榮譽教授

Ir Prof. Ching-chuen Chan holds BSc, MSc, PhD, HonDSc, HonDTech degrees. He is Honorary Professor and Former Head of Department of Electrical and Electronic Engineering at the University of Hong Kong; Founder of International Academicians Science and Technology Innovation Centre; Visiting Professor of MIT, UC Berkeley, University of Cambridge, etc.; Founding President of the World Electric Vehicle Association; Senior Consultant to governments, academia and industries; Academician of Chinese Academy of Engineering; Fellow of Royal Academy of Engineering, U.K.; Fellow of Ukraine Academy of Engineering Sciences; Honorary Fellow of Hungarian Academy of Engineering; Life Fellow of IEEE, Fellow of IET, and Honorary Fellow of HKIE. He is Recipient of the Royal Academy of Engineering Prince Philip Medal, Chinese Academy of Engineering Guang-Hua Prize, World Federation of Engineering (WFEO) Medal of Engineering Excellence, Silver Bauhinia Star Medal of the Hong Kong Special Administrative Region Government, Gold Medal of Hong Kong Institution of Engineers, IEEE Transportation Technologies Award and "Father of Asian Electric Vehicles" by Magazine Global View. His major research field includes the philosophy and key technologies of electric vehicles and intelligent energy systems. He published 17 books, over 450 technical papers and holds 10 patents.

陳清泉院士原籍福建省漳州市，出生於印尼。畢業於北京礦業學院機電系（現中國礦業大學）和清華大學研究生班，1982年獲香港大學哲學博士學位PhD（電氣工程），先後獲頒烏克蘭奧德薩大學榮譽科學博士學位HonDSc，英國拉夫堡大學榮譽技術博士學位HonDTech。1997年獲選中國工程院院士、為香港首位中國工程院院士，前後獲選英國皇家工程院院士、匈牙利工程院榮譽院士、烏克蘭工程院院士、香港工程科學院院士暨特別顧問。現任香港大學榮譽教授及原電機電子工程系講座教授及系主任。世界電動車協會創始主席、國際院士科創中心創始人。榮獲世界工程師組織聯盟傑出工程師勳章、英國皇家工程院菲利浦親王勳章、中國工程院光華工程獎、英國電機工程師學會國際演講勳章、美國電機電子工程師學會交通技術勳章、香港特區政府銀紫荊勳章、香港工程師學會最高榮譽金勳章等。《亞洲新聞》評為亞洲最佳創新者、期刊Global View譽為「亞洲電動車之父」、在印度獲「電動汽車技術之祖」稱號。他積累了50多年的教學、科研和工業經驗，任國內外多所著名大學的名譽或客座教授，國內外政府顧問，國內外著名企業科技戰略顧問或獨立董事。主要研究領域包括電動汽車的工程哲學和關鍵技術、智慧能源系統，人文、資訊、物理系統的融合。他著有450多篇學術論文、17本專著，獲十項專利。第十屆全國政協委員。

## Speech Topic 演講題目

**“The Role of Engineering Science and Technology in the Development of a Bay Area Economy”**  
**「工程科技在灣區經濟發展中的作用」**



## Speaker and Panelist 演講及專題討論嘉賓



## Ir Prof. Anderson Shum

岑浩璋教授、工程師

President, The Hong Kong Young Academy of Sciences;  
Associate Vice-President (Research and Innovation),  
The University of Hong Kong;  
Professor, Department of Mechanical Engineering,  
The University of Hong Kong

香港青年科學院院長;  
香港大學協理副校長(研究及創新);  
香港大學機械工程系教授

Ir Prof. Anderson Shum is currently the President of The Hong Kong Young Academy of Sciences; Associate Vice-President (Research and Innovation), Professor in the Department of Mechanical Engineering at the University of Hong Kong and the Director of the Advanced Biomedical Instrumentation Centre.

His strong R&D is globally recognized by receiving numerous international awards. His research areas include emulsions, biomicrofluidics, biomedical engineering and soft matter.

Prof. Shum was selected to join the Global Young Academy as a new member in 2021. He received the Croucher Senior Research Fellowships 2020, NSFC Excellent Young Scientist Fund in 2019, elected as a fellow of the Royal Society of Chemistry in 2017. He is an editorial board member of several scientific publications.

岑浩璋教授、工程師現為香港青年科學院院長、香港大學協理副校長（研究及創新）及機械工程系教授，亦是先進生物醫學儀器中心總監。

岑教授屢獲國際科學獎項，科研實力備受肯定。研究範圍包括乳液功能化、生物微流體、生物醫學工程和軟物質。

岑教授於2021年成為香港首位Global Young Academy會員；2020年獲得裘槎優秀科研者獎；2019年獲國家自然科學基金優秀青年科學家基金；2017年獲選為英國皇家化學學會會士，並同時擔任多本科研刊物的編輯委員會成員。

## Speech Topic 演講題目

**“Young Scientists’ Growth, Contribution and Liaison in an Innovation and Technology Hub”**  
**「青年科學家在科研之都的成長、貢獻與連繫」**

## Speaker and Panelist 演講及專題討論嘉賓

**Prof. Qikun Xue**

薛其坤教授

President  
Southern University of Science and Technology南方科技大學  
校長

Prof. Qikun Xue is a member of the Chinese Academy of Sciences, President of Southern University of Science and Technology, Director of Beijing Academy of Quantum Information Sciences, Director of Guangdong-Hong Kong-Macao Greater Bay Area Center of Quantum Science, and Professor of Physics at Tsinghua University. He won the TWAS Prize in Physics in 2010, the Future Science Prize for Physical Sciences in 2016, State Natural Science Award (the First Prize) in 2018, The Fritz London Memorial Prize in 2020, Outstanding Contribution Zhongguancun Award, Beijing Science and Technology Award in 2020, Fudan-Zhongzhi Science Award in 2020.

薛其坤教授現為中國科學院院士，國際著名的實驗物理學家。現任南方科技大學校長、北京量子資訊科學研究院院長、粵港澳大灣區量子科學中心主任、清華大學教授。曾獲國家自然科學一等獎、國家自然科學二等獎、第三世界科學院物理獎、陳嘉庚科學獎、「萬人計畫」傑出人才、求是傑出科學家獎、何梁何利科學與技術成就獎、未來科學大獎－物質科學獎、(首屆)全國創新爭先獎章、菲列茲·倫敦紀念獎、北京市突出貢獻中關村獎和復旦－中植科學獎等獎勵與榮譽。

## Speech Topic 演講題目

**“The Development of Higher Education  
under the Carbon Peaking and  
Carbon Neutrality Strategies”**

**「『雙碳』戰略下的高等教育發展」**



## Speaker and Panelist 演講及專題討論嘉賓



## Prof. Dongxiao Zhang

張東曉教授

Executive Vice President and Provost,  
Eastern Institute for Advanced Study東方理工高等研究院  
常務副院長兼教學長

Prof. Dongxiao Zhang is a Member of the U.S. National Academy of Engineering, executive vice president and provost of Eastern Institute for Advanced Study, the winner of "The National Science Fund for Distinguished Young Scholars", a Fellow of Geological Society of America, an Honorary Member of Society of Petroleum Engineers, and once served as a distinguished professor of the Ministry of Education.

He had served as Provost and Vice President (Academic Affairs) at Southern University of Science and Technology (SUSTech). He had held positions as Senior Scientist at Los Alamos National Laboratory, Miller Chair Professor at the Department of Petroleum and Geological Engineering at the University of Oklahoma, Gordon S. Marshall Professor at the University of Southern California, Executive Dean of Graduate School, Dean of College of Engineering and Founding Chair of Department of Energy and Resources Engineering at Peking University. Prof. Zhang is an internationally well known expert in unconventional oil and gas production, groundwater hydrology, and geological carbon sequestration, whose research achievements in stochastic modeling, numerical simulation, inverse modeling and machine learning are widely adopted by his peers.

Prof. Zhang has authored 3 books and published over 260 peer-reviewed papers (including 250+ SCI papers), of which "Stochastic Methods for Flow in Porous Media: Coping with Uncertainties" (American Academic Press), published in 2002, has become a classic work in the field. He earned both his Master's degree and Ph.D. in hydrology and water resources in 1992 and 1993, respectively, from the University of Arizona. Prof. Zhang has been an associate editor for SPE Journal, Water Resource Research, Advances in Water Resources, SIAM Multiscale Modeling and Simulation, Journal of Computational Geosciences, Journal of Natural Gas Science and Engineering, and Vadose Zone Journal. He has served as a panelist on the RCUK Review of Energy, UK Research Councils, a member of US National Research Council's Committee on New Research Opportunities in the Earth Sciences, and a council member of World Economic Forum Global Agenda Council on New Energy Architecture. Moreover, Prof. Zhang was elected as the Secretary General of the Association of Chinese Graduate Schools (ACGS), the Director of Liberal Arts and Science Working Committee of the Chinese Society of Academic Degrees and Graduate Education (CSADGE), and the Associate Director of the 6th Evaluation Committee of the CSADGE.

張東曉教授，美國國家工程院院士。寧波市東方理工高等研究院常務副院長兼教學長。「國家傑出青年科學基金」獲得者，曾任教育部特聘教授。美國地質學會會士(Fellow)，國際石油工程師協會SPE最高榮譽會員。

曾任南方科技大學學術副校長兼教務長，北京大學研究生院常務副院長、工學院院長、海洋研究院院長，美國南加州大學Marshall講席教授(終身制)，美國奧克拉荷馬大學石油和地質工程系米勒講席教授(終身制)，北京大學能源與資源工程系首任系主任，美國Los Alamos國家實驗室高級研究員。地下水文學、非常規油氣開採(煤層氣、葉岩氣)、二氧化碳地質埋藏方面的國際著名學者，其隨機理論建模、數值計算、歷史擬合和機器學習方面的研究成果被國際同行廣泛採用。

著有專著三本，其中在2002年出版的《滲流隨機理論》(美國學術出版社)已成為領域內的經典著作；發表學術論文260多篇(其中，SCI論文250多篇)。先後擔任權威性雜誌《水資源研究》、《國際石油工程師雜誌》等八種國際學術雜誌副主編。曾任英國國家研究理事會「能源研究評估委員會」委員、美國國家研究委員會「地球科學2010-2020科研規劃委員會」委員、《國際石油工程師雜誌》CO2地下封存專編主編以及達沃斯世界經濟論壇(WEF)「全球議程理事會」理事、中國研究生院院長聯席會秘書長、中國學位與研究生教育學會文理科工作委員會主任、中國學位與研究生教育學會評估委員會(第六屆)副主任。

## Speech Topic 演講題目

## “The Role of the US National Academy of Engineering in Education, Research and Innovation”

### 「美國國家工程學院在教育、研究和創新中的作用」

## Speakers and Panelists 演講及專題討論嘉賓

**Ir Prof. Ching-chuen Chan, SBS** 陳清泉教授、工程師

Senior Advisor,  
Hong Kong Academy of Engineering Sciences;  
Honorary Professor,  
Department of Electrical & Electronic Engineering,  
The University of Hong Kong

香港工程科學院高級顧問;  
香港大學電機電子工程系榮譽教授

**Ir Prof. Anderson Shum** 岑浩璋教授、工程師

President, The Hong Kong Young Academy of Sciences;  
Associate Vice-President (Research and Innovation),  
The University of Hong Kong;  
Professor, Department of Mechanical Engineering,  
The University of Hong Kong

香港青年科學院院長;  
香港大學協理副校長(研究及創新);  
香港大學機械工程系教授

**Ir Prof. Jin-Guang Teng, JP** 滕錦光教授、工程師

President,  
Hong Kong Academy of Engineering Sciences;  
President,  
The Hong Kong Polytechnic University

香港工程科學院院長;  
香港理工大學校長

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常務副院長兼教學長



# Forum on Bay Area Economy Outlook 2023

## 2023 灣區經濟展望論壇



## Moderator 主持人

**Ir Prof. Pak Chung Ching, SBS** 程伯中教授、工程師

Past President,  
Hong Kong Academy of Engineering Sciences;  
Director of Shun Hing Institute of Advanced Engineering,  
Research Professor of Electronic Engineering,  
The Chinese University of Hong Kong

香港工程科學院歷任院長;  
香港中文大學信興高等工程研究所所長  
電子工程學研究教授

Ir Prof. Pak Chung Ching is Director of Shun Hing Institute of Advanced Engineering and Research Professor of Electronic Engineering of The Chinese University of Hong Kong. He received his Bachelor in Engineering (First Class Honours) and PhD from the University of Liverpool, UK, in 1977 and 1981 respectively. Professor Ching is a Fellow of IEEE, IET, HKIE and HKAES. He is Chairman of the Veterinary Surgeons Board of Hong Kong and Chairman of the Board of Directors of the Nano and Advanced Materials Institute. Professor Ching was awarded the IEEE Third Millennium Award (2000) and the Bronze Bauhinia Star (2010) and Silver Bauhinia Star (2017) of the HKSAR; he was admitted to the HKIE Hall of Fame (2010). His research interests include adaptive digital signal processing, time delay estimation and target localization, blind signal estimation and separation, automatic speech recognition, speaker identification/verification and speech synthesis, and advanced signal processing techniques for wireless communications.

程伯中教授、工程師現為香港中文大學信興高等工程研究所所長及電子工程學研究教授。他先後於1977年和1981年在英國利物浦大學獲得電機工程與電子學學士學位（一級榮譽）和博士學位。程教授身兼電機及電子工程師學會、英國電機工程師學會、香港工程師學會和香港工程科學院院士。現為香港獸醫管理局主席、納米及先進材料研發院董事局主席。程伯中教授分別於2000年及2010年獲頒IEEE Third Millennium Medal及HKIE Hall of Fame。除此之外，程伯中教授長期熱心參與社區服務，分別於2010年獲香港特別行政區頒授銅紫荊星章（BBS）及2017年頒授銀紫荊星章（SBS）。程教授從事的研究包括自適應數字信號處理，時間延遲估計和目標定位，盲信號估計與分離，自動語音識別，說話人辨認/確認及語音合成，以及無線通信中的高級信號處理技術等。



## Speaker and Panelist 演講及專題討論嘉賓



Ir Dr Alex Chan, SBS

陳兆根博士、工程師

Senior Vice President,  
Hong Kong Academy of Engineering Sciences;  
Managing Director,  
ATI Engineering Ltd

香港工程科學院高級副院長;  
應科工程有限公司董事總經理

Ir Dr Alex Chan is a Senior Vice President of the Hong Kong Academy of Engineering Sciences. He was President of the Hong Kong Institution of Engineers (2003-04) and Chair of the Hong Kong Council for Academic Accreditation and Vocational Qualifications (HKCAAVQ) (2015-21). Internationally, he was Chair of the Sydney Accord (2007-11) and Chair of the International Professional Engineers Agreement (2014-17). He received a BSc(Eng) in mechanical engineering in 1977 and a PhD in fluid dynamics in 1988 from the University of Hong Kong. He has extensive experience in engineering projects including buildings, power plants, road tunnels and mass transit systems in Hong Kong SAR, Mainland cities, and Singapore, Australia, London and New York. His focused areas are safety, efficient and reliable plant operations, improvement to environment, and products innovation and development. Ir Dr Chan was awarded the Silver Bauhinia Star in 2022 by the HKSAR Government in recognition of his leadership in fostering the development of HKCAAVQ into a globally recognized and leading regional independent quality assurance body.

陳兆根博士、工程師是香港工程科學院高級副院長，2003-04年度出任香港工程師學會會長。2015-21年他被香港特區政府委任為香港學術及職業資歷評審局主席。國際上陳博士代表香港工程師學會參加國際工程聯盟協議，包括2007-11年被選為「悉尼協議」主席及2014-17年被選為「國際專業工程師協議」主席。陳博士是香港大學機械工程系本科（1977）及流動力學博士（1988）畢業。陳博士有豐富工程項目設計，建造及營運系統經驗，包括高層建築，電廠，公路隧道，地鐵項目，市場包括香港，中國內地，新加坡，澳洲，倫敦及紐約。他關注範圍包括安全，有效可靠營運，提升環境質素及產品研發。陳博士在2022年獲香港特區政府頒授銀紫荊星章獎章，以表揚他帶領香港學術及職業資歷評審局成為國際認可及地區獨立質量保證機構。

## Speech Topic 演講題目

**“Challenges of the 5th Pillar :  
Innovation, Technology & Industrialization”  
「創新、科技與工業化：第五支柱產業的挑戰」**

## Speaker and Panelist 演講及專題討論嘉賓

**Ms Irina Fan**Director of Research  
Hong Kong Trade Development Council

范婉兒女士

香港貿易發展局  
研究總監

Ms Irina Fan joined the Hong Kong Trade Development Council (HKTDC) as the Director of Research in January 2022, leading the Council's Research Department to conduct a wide range of surveys, research studies, and analysis on key trends that affect the global trade and economic environment and identifying business opportunities for Hong Kong companies in the Mainland China and international markets. Ms Fan has over 25 years of research experience with extensive exposure to Mainland China, the Asia Pacific region and international markets. Prior to joining HKTDC, she held senior positions in the financial services and banking sector, including Head of Insurance Market Analysis at Swiss Re based in Zurich and Senior Economist at Hang Seng Bank. She started her career as an HKTDC economist, overseeing services-related research projects. Ms Fan graduated from the University of Hong Kong with a Master of Economics degree.

范婉兒女士於2022年1月接任為香港貿易發展局研究總監，帶領該局的研究團隊進行各類調研工作，分析影響全球貿易及經濟環境的主要趨勢，為香港公司在內地和環球市場尋找商機。范女士具逾25年的研究經驗，廣泛涉獵內地、亞太地區和國際市場。在加入香港貿發局前，她曾任職金融服務機構和銀行高層，包括總部設於蘇黎世的瑞士再保險有限公司的保險市場分析主管，以及恒生銀行高級經濟師。她早年曾任香港貿發局經濟師，主理有關服務業的研究。范女士畢業於香港大學，獲頒經濟學碩士學位。

## Speech Topic 演講題目

**“Guangdong-Hong-Kong-Macao  
Greater Bay Area (GBA): A New Economic Pathway”  
「粵港澳大灣區：經濟發展新道路」**



## Speaker and Panelist 演講及專題討論嘉賓

**Mr Andy Wong**Head of Innovation & Technology  
InvestHK

黃煒卓先生

投資推廣署  
創新及科技行業主管

Mr Andy Wong is the Head of Innovation and Technology at Invest Hong Kong (InvestHK), the government department responsible for attracting and facilitating foreign direct investment into Hong Kong. His key focused technology segments include biotech, medical devices, healthcare, AI and robotics, microelectronics, new materials, and green technologies.

Mr Wong has wealth strategy consulting and business development experience in the high tech sector. Before joining InvestHK, he held various senior positions at a global leading consulting firm and a global Fortune 500 technology company specialising in corporate strategy and business development.

Mr Wong graduated from the University of Birmingham, the UK with First Class Honor Degree in Electronic and Electrical Engineering, a Master Degree in Commerce from the University of New South Wales, Australia and a Master of Science in Real Estate from the University of Hong Kong. He is a Chartered Engineer (CEng) from The Institution of Engineering and Technology, the UK; and is a Member of the Certified Practicing Accounting, (CPA) Australia.

黃煒卓先生是投資推廣署的創新及科技主管，屬於香港特別行政區政府部門專門負責吸引和協助外商直接投資進入香港。他重點關注的技術集群包括生物技術、醫療設備、醫療保健、人工智慧和機器人技術、微電子、新材料和綠色技術。

黃先生在高科技領域擁有豐富戰略諮詢和業務發展經驗。在加入投資推廣署之前，黃先生曾在一家全球領先的諮詢公司和一家國際財富500強科技公司擔任多個高級職位主要負責戰略和業務發展。

黃先生畢業於英國伯明罕大學電子與電機工程一等榮譽學位、澳洲新南威爾士大學商業碩士學位及香港大學房地產理學碩士。他是英國工程技術學會特許工程師(CEng)；並且是澳洲註冊會計師(CPA)的會員。

## Speech Topic 演講題目

**“Hong Kong – A Springboard for  
Growth in the Greater Bay Areas”  
「香港 - 大灣區發展的跳板」**

## Speakers and Panelists 演講及專題討論嘉賓

**Ir Dr Otto Poon, BBS****潘樂陶博士、工程師**

Immediate Past President,  
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Chairman,  
ATAL Engineering Group

香港工程科學院前任院長;  
安樂工程集團主席

**H.E. Ambassador George Hara****原丈人先生**

Group Chairman and CEO, DEFTA Partners;  
Chairman of Board, Alliance Forum Foundation;  
Honorary Professor, Faculty of Medicine, CUHK;  
Special Advisor to HKSTP

DEFTA Partners集團主席兼行政總裁;  
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**Mr Fan Yang****楊帆先生**

Co-founder, VP,  
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商湯科技聯合創始人;  
大裝置事業群總裁

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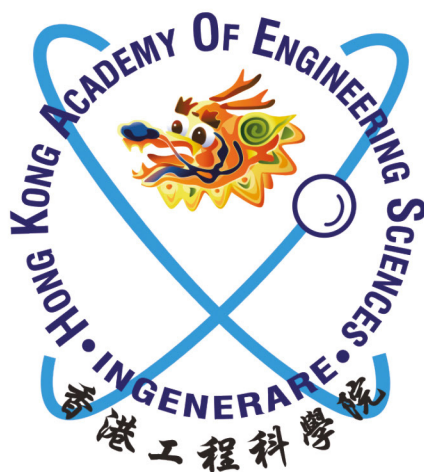
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