

香港工程界翹楚

THE HKIE HALL OF FAME 2015



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工程界
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HALL OF FAME
2015**

序言

香港工程師學會成立四十周年，特此致賀。

多年來，香港工程師學會在香港交通運輸網絡建造工程，以及其他大大小小基建項目中，擔當重要角色。這些工程為香港作為國際大都會奠定穩固基礎。學會亦與本港建造業通力合作，參與內地持續的城鎮化發展，為國家現代化作出貢獻。

學會與內地、英國、澳洲、加拿大等地的專業團體簽訂資格互認協議，藉此提高香港工程師的水平，並擴闊他們的專業聯繫和發展空間，惠益同業，建樹良多。

國家遠大的「一帶一路」策略即將逐步落實，我鼓勵本港工程專業把握香港作為中國其他地區及世界各國的「超級聯繫人」優勢，與本港建造業同心協力，積極參與「一帶一路」沿線各國的基建工程，為內地、為香港創造新的發展機遇。

人生四十正值壯年，香港工程師學會可說是風華正茂。謹祝學會來年和未來四十年宏圖續展，偉績彰彰。

香港特別行政區行政長官



Message

My congratulations to The Hong Kong Institution of Engineers (HKIE) on its 40th anniversary.

Over the years, the HKIE has been a major player in the building of Hong Kong's transportation network and other infrastructure projects, large and small – all, in their own way, central to Hong Kong's status as an international metropolis. The Institution has also collaborated with the local construction industry to participate in the Mainland of China's continuing urbanisation, contributing to the modernisation of our nation.

In signing reciprocal recognition agreements with counterparts in the Mainland, the United Kingdom, Australia, Canada and other jurisdictions, the HKIE uplifts the standards of our engineers and expands their professional connections and horizons.

With the gradual implementation of the Mainland of China's far-reaching "Belt and Road" initiative, I encourage our engineering profession to ride on Hong Kong's advantages as the "super-connector" between the rest of China and rest of the world. Working with the Hong Kong construction industry, you can play a significant role in the building of infrastructure along the Belt and Road countries, creating new development opportunities for both the mainland and Hong Kong.

The age of 40 is often regarded as the prime of life. I say you are just getting going. I wish the HKIE every success in the coming year – and the next 40 years.



C Y Leung
Chief Executive
Hong Kong Special Administrative Region



序言

今年我們慶祝香港工程師學會自一九七五年起獲賦予法定地位四十周年。回顧本會的前身自一九四七年創立至今的發展，學會和會員都能走在最前線帶動香港的城市發展，成績有目共睹，值得我們驕傲。

香港自一九七零年代後期以來的經濟繁榮有賴工程師與各界專業人士攜手合作，當中包括建築、測量及規劃的同仁。我們以創新的方法，有效率並安全地建造了許多香港重要的基礎設施項目。香港地勢多山，處於沿海地區，同時受變幻莫測的天氣影響，各項高樓、道路、橋樑、隧道、供水及污水處理的工程都需要因地制宜。港口及機場的建設與持續改善加強了香港與全球的緊密連繫，而先進的鐵路工程亦使香港擁有世界上最有效率的鐵路系統之一。

出色的基礎設施、運輸及通訊系統使香港繼續成為世界領先的金融、物流及服務中心。近年傑出的資訊科技及通訊工程更帶領著香港順利過渡成為互聯網都市，並為迎接未來科技的挑戰作好準備。

我們有幸能有眾多為締造更美好的香港而努力的優秀工程師，他們都曾為香港的基礎建設付出不少。為表揚他們的卓越成就，學會再度推選十三位傑出工程師加入「香港工程界翹楚」，以特別鳴謝他們的貢獻。

我們恭喜並歡迎你們榮登「香港工程界翹楚」！

展望未來，學會希望同業受「香港工程界翹楚」獲獎人的出眾成就所啟發，繼續為建設香港努力。

香港工程師學會會長

陳志超

Message

This year we celebrate The Hong Kong Institution of Engineers' 40th anniversary of its incorporation in 1975 under its own Ordinance – a proud culmination of our history dating back to 1947 and the service of all engineers. During these intervening years our Institution and membership are proud to have been at the forefront of Hong Kong's remarkable modern development.

The boom in Hong Kong's economy since the late 1970s has seen engineers work hand in hand with other professionals, including our architectural, surveying and planning colleagues, to find innovative solutions to efficiently and safely build many of Hong Kong's important infrastructure projects. The city's hilly terrain, seaboard location and extremes of weather have seen remarkable engineering solutions for the construction of high-rise buildings, roads, bridges, tunnels, water supply and sewage treatment. The construction and continuing improvements of the city's ports and airport have provided superior transportation links with the world. Meanwhile, state-of-the-art railway engineering and construction are of international excellence, giving Hong Kong one of the world's most efficient commuter rail networks.

The city's excellent infrastructure, transportation and communication systems give Hong Kong the impetus and edge to continue as one of the world's leading financial, logistics and service centres. In recent years this has been further enhanced by excellent information technology and telecommunications engineering allowing a smooth transition to an Internet-savvy city – and ready for future technological challenges.

We are privileged to have distinguished members of our engineering community who have given great and exemplary service for the betterment of Hong Kong – with many previously working as young engineers on Hong Kong's most important infrastructure projects. In recognition of their outstanding contribution, our Institution once again acknowledges their achievements and dedication by inducting 13 new members to join the esteemed membership of the HKIE Hall of Fame 2015.

We congratulate and welcome all of you to the HKIE Hall of Fame!

As our Institution looks towards the future, we are all inspired by the good work of our Hall of Fame Inductees and the dedication of all our membership.



Ir CHAN Chi Chiu

President, The Hong Kong Institution of Engineers



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簡介

香港工程師學會簡介

香港工程師學會前身為「香港工程協會」。協會早於一九四七年成立，旨在團結不同專業界別的工程師，為會員謀求福利。隨著協會不斷發展，政府於一九七五年通過《香港工程師學會條例》(第1105章)，正式賦予學會法定地位，使學會成為香港唯一的法定專業工程師團體。現時學會會員人數逾三萬三千名，當中超過一萬五千名為法定會員。

為確保會員質素，學會擬定專業工程師訓練及資歷審核標準，將會員資歷分為廿一個專業界別作出審核。同時，學會積極推廣專業守則，對會員的操守有嚴格要求。作為一個學術組織，學會亦致力於協助會員瞭解工程界的最新發展，並鼓勵會員持續進修以增進專業知識，而這些活動多由學會屬下的十九個分部籌辦。

學會除積極參與社區服務外，亦十分關注公共事務。學會經常提名會員出任各政府部門及高等教育機構的諮詢委員會委員，並就有關工程專業的政府諮詢文件提供專業建議。學會更不時獲邀出席立法會有關工程法案的委員會會議，並於席上發表意見。立法會功能界別議席中亦設有工程界議員一席，讓業界可直接向政府反映和溝通。

學會先後與內地及海外多個工程專業團體簽署專業資格互認協議及合作協議，同時是多個國際工程組織及聯盟的成員。

INTRODUCTION

Brief Introduction of The Hong Kong Institution of Engineers

The Engineering Society of Hong Kong was founded in 1947 with the aim of bringing together engineers of different Disciplines for their common good. The Society flourished and as a result The Hong Kong Institution of Engineers (HKIE), was incorporated under The Hong Kong Institution of Engineers Ordinance, Chapter 1105 of the Laws of Hong Kong in 1975. The HKIE is the only statutory professional engineering body in Hong Kong, currently with over 33,000 members, of which more than 15,000 are Corporate Members.

Committed to upholding the quality of membership, the Institution sets standards for the training and admission of engineers of 21 Engineering Disciplines. It also has strict rules governing its members' conduct and is dedicated to raising the ethical standard of professional engineers in Hong Kong. As a learned society, the 19 Divisions under the Institution regularly organise activities to keep members abreast of the latest engineering developments and also provide opportunities for Continuing Professional Development.

We pride ourselves as being a proactive social citizen by not only nominating our members to serve on various external boards and committees of government departments and higher education institutions, but also providing timely and constructive comments and professional advice on the government's consultation papers. In addition, the profession has one seat representing the Engineering Functional Constituency in the Legislative Council through which views of the profession can be expressed to the Government.

The HKIE has established close relationship with engineering institutions throughout the world and it has signed agreements for reciprocal recognition of professional qualifications and agreements of co-operation with engineering authorities and other organisations worldwide.

香港工程界翹楚

為慶祝香港工程師學會成立四十周年，學會繼二零一零年設立「香港工程界翹楚」獎項後，今年再次頒發「香港工程界翹楚」榮譽予多位傑出工程師，以表揚他們對學會、工程界及社會的卓越貢獻。他們每一位均由學會的法定會員提名候選。

翹楚名單筆劃序

朱沛坤	教授、工程師
李承仕	工程師
周子京	教授、工程師
周明權	博士、工程師
胡法光	博士、工程師
胡應湘	爵士、博士、工程師
陳永堅	工程師
陳兆根	博士、工程師
陳嘉正	博士、工程師
詹伯樂	工程師
趙雅各	工程師
劉正光	教授、工程師
盧偉國	議員、博士、工程師

The HKIE Hall of Fame

In celebration of the 40th anniversary of The Hong Kong Institution of Engineers, following the establishment of the HKIE Hall of Fame in 2010, the Institution once again presents the Hall of Fame award this year to distinguished members to honour their outstanding achievements and exemplary contribution to the Institution, the engineering profession and the community. All the Inductees are nominated by Corporate Members of the Institution for induction into the Hall of Fame.

Roll Call of Inductees (by Chinese Surname)

Ir Prof Reuben CHU Pui Kwan
Ir LEE Shing See
Ir Prof CHOW Che King
Ir Dr Joseph CHOW Ming Kuen
Ir Dr HU Fa Kuang
Ir Dr Sir Gordon WU Ying Sheung
Ir Alfred CHAN Wing Kin
Ir Dr Alex CHAN Siu Kun
Ir Dr Andrew CHAN Ka Ching
Ir James BLAKE
Ir James CHIU
Ir Prof LAU Ching Kwong
Ir Dr the Hon LO Wai Kwok

香港
工程界
翹楚

THE HKIE
HALL OF FAME
2015 Inductees





朱沛坤 教授、工程師, JP
 Ir Prof Reuben CHU Pui Kwan, JP
 MSc(Eng), CEng, FHKIE, FICE,
 FIStructE, FIHT, FGS, FHKIHT, RSE, RGE,
 RI, R.P.E. (Civil, Struct, Geot & Fire),
 IRSE-PRC

朱沛坤教授、工程師

求學時期的朱沛坤教授、工程師理科成績比文科表現為佳，順理成章選修工程學科，攻讀土木工程學。朱教授於一九八一年以全級第一的優異成績，順利於英國卡迪夫大學修畢土木及結構工程碩士課程，返港後正式投身土木、結構及岩土的工程事業，最初在一間英資顧問工程公司任職，並擔任香港浸會大學兼任講師。朱教授於一九九四年加入邁進顧問工程師事務所，現時擔任邁進中國的副總裁，其下員工逾一千二百名，分佈在香港、北京、上海及深圳辦事處。

朱教授擁有超過三十年在香港、澳門、中國內地及英國等地的顧問及項目管理經驗，當中包括私人機構、政府部門、香港鐵路、機場及英國倫敦地下鐵的工程，曾負責的大型工程項目包括香港添馬政府總部、香港東區海底隧道、大老山隧道、香港國際機場的部分工程、部分鐵路項目及英國倫敦地下鐵銀禧支線等。

朱教授自少已經喜歡唱歌，至今仍經常在學會活動及業界慈善活動中表演彈結他及獻唱。中學時期，朱教授曾在校內歌唱比賽勇奪冠軍後立志以唱歌為終身職業，但最後因一位朋友的勸說而打消此念頭。

放棄了以唱歌為終身事業的朱教授自此決心成為擁有全面技能的工程師。從他的履歷可以得知，他在不同類別的工程專業方面皆具備豐富經驗，其中包括公路、鐵路、隧道、橋樑、斜坡及樓宇等工程。此外，他更為所負責的大部分工程項目親自撰寫電腦程式，以輔助項目的設計工作。以朱教授的多元才能和在業界的卓越成就而言，他不愧是全才工程師。





多年來，朱教授對香港工程師學會的發展作出了重大貢獻，先後在學會的理事會、多個政策委員會、分部委員會和界別顧問小組擔任要職。

朱教授亦是現任工程師註冊管理局主席、香港工程師學會前會長(二零一零/二零一一年度)、環保建築專業議會前主席(二零零七年至二零零九年)、香港顧問工程師協會前主席(二零零六年至二零零七年)、香港公路學會前會長(二零一二年至二零一四年)、香港建築中心前副主席(二零零六年至二零零八年)，以及香港綠色建築議會董事局前成員。

朱教授曾獲邀出任香港多個政府諮詢機構的成員，其中包括結構工程師註冊事務委員會主席、土地及建設諮詢委員會成員、交通審裁處小組成員及廉政公署防止貪污諮詢委員會成員。

現時，朱教授為香港理工大學的客席教授，並擔任多間本地大學的諮詢委員會成員。朱教授不僅在工程界成就卓越，更熱心社會公益，於二零零八年獲香港特別行政區政府頒授太平紳士的榮銜。他除了為香港作出貢獻外，在國內亦為現屆天津市政協委員會委員。



Ir Prof Reuben CHU Pui Kwan

Like so many who performed better in science than art in school, Ir Prof Reuben Chu Pui Kwan naturally gravitated towards engineering, and opted to pursue civil engineering. In 1981, he earned his MSc degree in Civil and Structural Engineering from Cardiff University, UK, with the highest average mark. After returning to Hong Kong, Prof Chu started practising as a consulting engineer in civil, structural and geotechnical engineering. He joined Halcrow Asia Partnership Limited, and at the same time worked as a part-time lecturer at Hong Kong Baptist University. Eventually, he joined Meinhardt in 1994, and is now the Deputy Chief Executive Officer of Meinhardt China, overseeing over 1,200 staff in Hong Kong, Beijing, Shanghai and Shenzhen offices.

Prof Chu has over 30 years' experience in the consulting engineering industry, during which he has delivered services to the private sector, government departments, MTR Corporation Limited (MTRC) and the London Underground in Hong Kong, Macau, Mainland China and the UK – including Tamar Government Headquarters, Eastern Harbour Crossing, Tate's Cairn Tunnel, projects in Hong Kong International Airport, various MTRC projects, and the London Underground Jubilee Line Extension.

In his childhood, Prof Chu loved singing, and nowadays he often plays guitar and performs songs in various institutional and charity events. Indeed, after winning a singing contest in school, he considered becoming a professional singer, but was dissuaded by a classmate.

While ultimately deciding not to turn his hobby into a career, Prof Chu strives to develop himself into an all-round engineer in terms of versatility and breadth of achievement. It is unquestionably that Prof Chu has a uniquely diverse curriculum vitae, showcasing different types of engineering expertise like roads, railways, tunnels, bridges, slopes and buildings. He even also wrote computer programs for helping his design in most of his projects.

Prof Chu has made significant contributions to the development of the HKIE. He has served in the Council and held leading positions on various boards and committees, a Division Committee and a Discipline Advisory Panel.

Prof Chu is currently the Chairman of Engineers Registration Board, and was the President of the HKIE (Session 2010/2011), Chairman of the Professional Green Building Council (2007-2009), Chairman of the Association of Consulting Engineers of Hong Kong (2006-2007), President of the Hong Kong Institution of Highways and Transportation (2012-2014), Vice Chairman of Hong Kong Architecture Centre (2006-2008) and a Member of the Board of Hong Kong Green Building Council.

Prof Chu has served on numerous government bodies in Hong Kong, including as the Chairman of Structural Engineers Registration Committee, Member of the Land and Development Advisory Committee, Member of the Transport Tribunals' Panel and Member of the Corruption Prevention Advisory Committee of the Independent Commission Against Corruption.

Prof Chu is now an Adjunct Professor of the Hong Kong Polytechnic University and has served on a number of Advisory Committees/Boards of local universities. With his remarkable engineering achievements and service to the community, Prof Chu was appointed as a Justice of the Peace by the HKSAR Government in 2008. In addition to his contributions in Hong Kong, Prof Chu is currently a Member of Tianjin Municipal Committee of the Chinese People's Political Consultative Conference.



李承仕 工程師, GBS, OBE, JP
Ir LEE Shing See, GBS, OBE, JP
BSc(Eng), FHKIE, FICE

李承仕工程師

李承仕工程師是香港工程師學會及英國土木工程師學會的資深會員。李工程師在一九六四年畢業於香港大學工程學院，隨後任職公務員達三十八年。

任職初期，李工程師曾參與海港及填海工程、道路及渠務維修項目，以及如吐露港公路的主幹路規劃及建設。

一九八零年，李工程師調職至拓展署，負責發展新界區多個新市鎮，以應付因人口增長而持續上升的需求。值得一提的是，一九八八年香港首次採用一種既快捷又環保的「水力沙填土」填海技術（或海沙填土），建設逾四百公頃土地的天水圍新市鎮。

一九九二年一月，李工程師獲委任為新機場工程統籌署首位項目經理，負責制定系統及程序以統籌、監管、推行及按時根據財政預算完成十項「機場核心計劃」(ACP)項目。是項計劃包括赤鱗角新機場、青衣至大嶼山幹線、西區海底隧道、機場鐵路和相關填海及公路項目等，可說是香港有史以來進行過最大型的基本建設工程。

一九九四年八月，李工程師再接受挑戰，出任拓展署署長一職，是各個項目的關鍵人物，成功推行主要填海項目以提供土地興建機場鐵路及香港會議展覽中心，各項ACP項目亦在他的管理下適時進行。





一九九九年八月，李工程師獲委任為工務局局長。身為工務部的掌舵人，李工程師必須確保有效規劃、管理和推行主要基建發展項目及涉及約一千六百個項目的龐大工務工程計劃。整體來說，這些項目有助香港維持世界級城市地位，並通過刺激經濟增長帶來龐大經濟利益，以及提供就業機會。

此外，李工程師亦曾積極參與規劃及建設香港迪士尼樂園，樂園對刺激香港經濟及旅遊業發揮重大作用。

《建業圖新》報告書於二零零一年發表，並獲政府接納。該報告書提出一百零九項建議以改善及提升香港建造業。為跟進報告書提出的工作，李工程師成立了「臨時建造業統籌委員會」。該委員會為隨後於二零零七年成立的「建造業議會」奠下基礎。

李工程師於二零零二年八月退休。退休後的李工程師依然積極參與公共服務。他曾服務的機構包括香港科技園公司、香港設計中心、環境影響評估上訴委員會小組及香港數碼港管理有限公司。

除了擔任建造業議會主席一職外，李工程師現時亦在多間機構，包括香港機場管理局、西九文化區管理局、推動建築材料行業檢測和認證服務小組、扶貧委員會及創意智優計劃審核委員會等擔任公職。

同時，李工程師亦是香港大學的傑出客席教授。李工程師獲授予太平紳士封銜逾二十年，並於一九九七年獲頒大英帝國官佐勳章，以及在二零零二年獲頒金紫荊星章。

Ir LEE Shing See

Ir Lee Shing See is an Engineer by profession. He is a Fellow of the HKIE and the Institution of Civil Engineers, UK. After his graduation from the Faculty of Engineering at the University of Hong Kong in 1964, he joined the civil service, in which he served his whole 38-year career.

Early in his career, Ir Lee was involved in port and reclamation works, roads and drainage maintenance, and the planning and construction of major trunk roads, such as, the Tolo Highway.

He was transferred to the then Territory Development Department in 1980, and was responsible for developing various new towns in the New Territories to cope with the ever-increasing demand of the growing population. It is worth noting that “hydraulic sand fill”, or marine sand fill – a fast and environmentally friendly reclamation technique – was first introduced for the formation of over 400 hectares of land for Tin Shui Wai New Town in 1988.

In January 1992, he became the first Project Manager of the New Airport Projects Co-ordination Office, or NAPCO. He was responsible for establishing systems and procedures for co-ordinating, monitoring, implementing and completing the ten Airport Core Programme (ACP) projects on time and within budget. The ACP, which included the new airport at Chep Lap Kok, Lantau Fixed Crossing, West Harbour Crossing, Airport Railway, and associated reclamation and highways projects, is probably the biggest capital works project ever undertaken in Hong Kong.

In 1994, Ir Lee took up the challenging post of Director of Territory Development. He played a pivotal role in the successful implementation of major reclamation projects to provide land for the Airport Railway and the Hong Kong Convention and Exhibition Centre Extension, and in the timely delivery of the ACP projects under his control.



He was appointed as Secretary for Works in August 1999. At the helm of the Works Group, he had to ensure the effective planning, management and implementation of major infrastructure development projects and the mammoth Public Works Programme, which comprised some 1,600 projects. Collectively, these projects helped maintain Hong Kong as a world-class city and bring immense economic benefits by stimulating economic growth, and providing job opportunities.

Ir Lee was also heavily involved in the planning and construction of Hong Kong Disneyland, which was an important stimulus to the economy as well as the tourism sector in Hong Kong.

The report "Construct for Excellence" was issued in the year 2001 and accepted by the Government. It has 109 recommendations for the improvement and upgrading of the construction industry in Hong Kong. For follow up actions on the report, Ir Lee set up the Provisional Construction Industry Co-ordination Board, which eventually led to the formation of the Construction Industry Council in 2007.

After his retirement in August 2002, Ir Lee has remained very active in public services. He has served the Hong Kong Science and Technology Parks Corporation, Hong Kong Design Centre, Environmental Impact Assessment Appeal Panel and the Hong Kong Cyberport Management Company.



Apart from being the Chairman of the Construction Industry Council, Ir Lee is currently serving in the Airport Authority of Hong Kong, West Kowloon Cultural District Authority, the Panel on Promoting Testing and Certification Services in Construction Materials Trade, the Commission on Poverty, and the CreateSmart Initiative Vetting Committee.

Ir Lee is a Distinguished Adjunct Professor of HKU. He has been a Justice of the Peace for over 20 years. He was awarded an OBE in 1997, and the Gold Bauhinia Star in 2002.



周子京 教授、工程師, OBE
Ir Prof CHOW Che King, OBE
BSc(Eng), FHKIE, FHKEng, FICE

周子京教授、工程師

周子京教授、工程師於一九三四年在香港出生，成長於戰亂頻仍的年代，生活困難。為籌學費，周教授課餘在澳門和廣州當街頭小販，回香港後為學生補習以幫補家計。周教授在聖保羅男女中學畢業後，考獲政府獎學金入讀香港大學，因受國父孫中山的《建國方略》一書影響而主修土木工程學。當時，工程學院正致力全面提升學科水平，升級篩選非常嚴謹，入學四十二個學生中，只有七人能夠直升完成四年制的課程，周教授在一九五五年獲頒發工程學士學位，該學位也是在當年首次獲英國學會認可。

求學艱苦，畢業後就業也同樣困難。周教授獲聘用的唯一合適職位，是在大欖涌水壩工地負責多項監理工作，包括混凝土和土壩建造、監測質量、改善設計和測量定位等。

水壩竣工後，周教授加入工務局。香港早期的工程仍然相當落後，他獲選赴西歐考察，研習新技術，再獲派往不同的機構實習，包括顧問工程師行、跨國建築公司、政府部門、專業研究所及管理中心等。回港後，他將多項新技術引進香港。

在港島海旁大道工程中，周教授推動各式預應力鋼筋混凝土技術造橋。此外還進行實地荷重試驗，引證設計及建築質量，並分批邀請各方工程人員參觀整個過程。周





教授其他令人矚目的工作實例還包括水力沖沙填海、加速沉陷方法、結構及水力模型測試及青馬大橋特色鐵道和公路雙層橋面設計。這種設計除了高效率之外還能夠全天候使用。這座橋的命名源自連接大橋兩端的「青衣」和「馬灣」小島，這亦刊載於周教授一九八二年在北京國際橋樑會議發表的論文中。青馬大橋在一九九七年完工，儼然成為香港的地標之一。

在土木工程處處長任內，周教授所領導的範疇擴及機場、鐵道公路、排洪除污、廢料處理和闢地填海等多方面。調任拓展署後，周教授一開始負責發展沙田新市鎮，其後獲擢升為署長，帶領由一眾工程師、城市設計師、建築師和園境建築師組成的跨界別團隊，拓展九個新市鎮和維港新填海區的基建和社區設施，以容納四百萬人口。他早期策劃的青嶼幹線和赤鱗角國際機場在這期間亦陸續完成。

自一九五四年起，周教授積極參與學會工作，熱衷分享他對工程學的知識和廣泛的工作經驗。此外，他多次在國內外研討會中主講及發表不少論文，亦曾受美國土木工程師學會邀約撰文介紹香港基建，文章長達二萬字，分三期在季刊發表。二零零三年，香港大學為他出版了《工程人生——香港基建五十年》一書。全書二十萬字，以中文撰寫，另有工程圖片、論文標題、自傳及旅遊七言長詩多篇。

周教授效力政府四十年，獲頒授予大英帝國官佐勳章，他熱心公共事務，退休後獲中央政府委任為港事顧問，並擔任香港特別行政區行政長官選舉委員會委員、香港大學名譽教授，以及曾任香港工程科學院理事及香港前高級公務員協會前會長等。

二零零八年，周教授獲香港工程師學會頒授榮譽大獎。周教授退而不休，耄耋之年尚參與各項活動、師友計劃、捐助大學獎學金和科研基金。在學會最近製作的電視節目「非凡工程夢」宣傳光碟中，周教授現場講解，圓一己之少年夢。

Ir Prof CHOW Che King

Born in Hong Kong in 1934, Ir Prof Chow Che King grew up during the turbulent war periods. Life was difficult. He earned his school fees as a street hawker after class in Macau and Guangzhou and, on returning to Hong Kong, as a student tutor. After graduating from St. Paul's Co-educational College, he won a Government Scholarship to study in the University of Hong Kong. Inspired by Dr Sun Yat-sen's book – *Infrastructure Planning in China*, he chose civil engineering. At that time the Faculty of Engineering had just upgraded its syllabus. The screening was so severe that only seven students out of an initial class of 42 could complete the four-year curriculum to earn the HKU degree in engineering which was first recognised by the UK in 1955.

Finding a job after graduation was also difficult. Prof Chow was accepted for the only appropriate job, in Tai Lam Chung Dam Project, to supervise a wide range of tasks including concrete and earth dam construction, laboratory quality control, precise setting out and revisions to designs.

After the reservoir was completed, he joined the Public Works Department. In the early days, Hong Kong was still rather backward in engineering. Prof Chow was later selected to pursue studies in Europe, and attached to consulting engineering firms, international contractors, government departments, research laboratories and managements centre. On his return, he helped promote many new engineering technologies to Hong Kong.

In the Hong Kong Waterfront Road Project, Prof Chow assisted contractors to adopt different patent prestressing systems, and conducted site loading tests to check designs and quality of works. Engineers from various sectors were invited to observe the whole process. Other notable examples of his work included hydraulic marine fill

reclamation, accelerated consolidation methods, structure and hydraulic model studies, and the innovative aerodynamic road/rail double deck Tsing Ma Bridge design which is of high efficiency and provides all-weather access. He advocated the name of the Bridge, which was derived from "Tsing Yi" and "Ma Wan" islands it linked, in a paper he presented in Beijing Bridge Conference. The bridge was completed in 1997, and is now among Hong Kong's landmarks.



As Head of Civil Engineering Office, Prof Chow's responsibilities spanned many engineering fields including airport, railway, highways, drainage, sewerage, solid waste disposal, land formation and reclamation. After transfer to Territory Development Department, starting from Sha Tin New Town, he led a multi-disciplinary team of engineers, town planners, architects and landscape architects to build the infrastructure and community facilities. As the Director, he managed the development of nine new towns and expansions on new harbour reclamations for a design population of four million. The Lantau Link and Chap Lap Kok International Airport, which he earlier planned, were also completed.

From 1954, Prof Chow has been active in the Institution and keen to share his knowledge and wide working experiences in engineering. He presented many papers in local and international conferences. The American Society of Civil Engineers also invited him to publish a 20,000-word introduction on Hong Kong engineering development, in three issues of the quarterly publication. In 2003, the Hong Kong University Press published his book – *My Life as An Engineer, 50 Years of Infrastructure Development in Hong Kong*. The book is in Chinese, and has 200,000 characters, numerous photos, a list of his publications and an autobiographical and travel poem.

On retirement after 40 years' service, Prof Chow was awarded an OBE. Subsequent roles have included Hong Kong Affairs Advisor appointed by the Central Government, political Selection Committee Member, Honorary Professor of HKU, and Council Member of the Hong Kong Academy of Engineering Sciences. Prof Chow is also a Past President of the Hong Kong Former Senior Civil Servants Association Limited.

In 2008, the HKIE conferred Prof Chow the Gold Medal. In spite of his old age, he still participates in various activities, such as mentoring, donations to university scholarships, and launching the education and research fund. In the recent HKIE's television production of the publicity video "Hong Kong Engineering and Dreams", he also gave on-site narration of his previous works and showed how his old dreams came true.





周明權 博士、工程師, OBE, JP
Mr Dr Joseph CHOW Ming Kuen,
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BSc(Eng), CEng, DEng, FHKIE, FICE,
FIStructE, FCIT, MIHT, FHKIHT, AP, RSE

周明權博士、工程師

周明權博士、工程師是一位「非一般」的工程師。他除了就讀於香港大學工程系之外，在六十年代他遠赴英國倫敦和格拉斯哥的Scott Wilson Kirkpatrick & Partners公司接受訓練確是殊不簡單。他於一九六八年考獲土木和結構工程專業資格後，回港加入香港電燈有限公司，從事發電廠及能源相關項目的工作，後來更協助港燈在沙特阿拉伯首都利雅得發展中東業務。在一九七零年代後期，他決定加入建築承建行列，先後在新昌及瑞安擔任董事達八年。在一九八零年代中期，他回歸顧問工程師行列，成為Freeman Fox公司的董事。一九九二年，周博士開設自己的公司——周明權工程顧問有限公司(JMK Consulting Engineers)。雖然他現已退休，但仍然是該公司的獨立非執行主席。他曾參與多項大型基建項目，工程經驗非常廣泛，涵蓋設計、監工和承建的工作。

從工程顧問的崗位退休後，周博士便自由參與其他工程業務。他獲邀擔任多家上市公司的獨立非執行董事，包括保華集團有限公司主席（為保華建築集團之母公司）。

周博士是一位很不平凡的人，他在公共和社會服務方面都展現出無私的貢獻。他曾獲委任為工程師註冊管理局、香港考試及評核局、建造業工人註冊管理局和東區尤德夫人那打素醫院的主席，以及香港理工大學校董會副主席，他亦是醫院管理局、香港房屋委員會、中醫藥管理委員會、教育統籌委員會、課程發展局及香港大學校董會等組織的成員。

除了服務香港，周博士亦為國家效力。他被委任為上海市政協委員長達廿年（一九八八年至二零零八年）。二零零八年，周博士更榮獲上海科學院頒發榮譽院士名銜。

甚少數的工程師會成為執法者，但周博士積極維護香港的法律和秩序。他加入了當時的皇家香港輔助警察隊當警員，其後晉升為高級警司，直至退休。他也是當時香港總督衛奕信勳爵的榮譽副官，為時四年。

社交方面，他曾擔任香港鄉村俱樂部主席及港島西區扶輪社社長。

周博士在專業範疇備受敬重，他對香港工程師學會有莫大貢獻，早在一九七零年代初期已積極參與香港工程協會（即香港工程師學會的前身）的發展和活動，其後他擔任過理事會和許多委員會的主席，包括結構工程分部主席，並於二零零一年成為香港工程師學會會長。

由於周博士對教育界和醫療界貢獻良多，他於一九九二年獲委任為太平紳士，並於一九九七年獲頒大英帝國官佐勳章。

對於他長期服務於皇家香港輔助警察隊，他於一九九六年被授予殖民地特別警察獎章。

一九九四年開始，時任香港理工學院校董會副主席的周博士全力協助學院升格為一所現化的香港理工大學。加上對該校的其他貢獻，他於一九九九年獲香港理工大學頒授榮譽工程學博士學位。

周博士就讀香港大學時曾擔任校內工程學會主席，一九六二年，他為學會舉辦五十周年金禧慶典活動。有趣的是，在整整五十年後的二零一二年，他再度為工程學院籌辦百周年慶典活動，包括協助舉辦了一系列傑出講座，印製《百年卓越》特刊及舉辦百年慶典聯歡晚宴，有超過一千五百名畢業生和朋友參與慶典。他曾擔任香港大學校董長達廿年。為感謝他在這方面的貢獻和他對母校作出的其他貢獻，他於二零一三年獲委任為香港大學榮譽院士。目前，他是香港大學校園發展委員會的委員。

周博士於一九七五年成立了香港大學工程舊生會，最近更獲委任為該會的第一位永遠榮譽會長。

周博士的太太是香港的資深政治人物，他們有兩位千金、兩位孫女和兩位男孫。



Ir Dr Joseph CHOW Ming Kuen

Ir Dr Joseph Chow Ming Kuen is more than "just" an engineer.

Apart from his engineering education in the University of Hong Kong, Dr Chow trained with Scott Wilson Kirkpatrick & Partners in London and Glasgow which was uncommon in the 1960s. After qualifying in both civil and structural engineering, he returned to Hong Kong in 1968 and joined The Hongkong Electric Company, Limited (HK Electric), working on power stations and other energy related projects. He later started HK Electric's Middle East operations in Riyadh, Saudi Arabia. In the late 1970s, Dr Chow decided to go into contracting and was Civil Engineering Director of Hsin Chong Construction Group and later Executive Director of Shui On Group for some eight years. In the mid-1980s, he went back to consulting and was a Director of Freeman Fox before starting his own consultancy, JMK Consulting Engineers, in 1992. Although now retired, he remains its Independent Non-executive Chairman. His engineering experience is thus very broad having been involved in the development of major infrastructural projects, design and supervision work as well as contracting.

Since his retirement from engineering consultancy, Dr Chow became free to join other engineering businesses and he was appointed an Independent Non-executive Director of several listed companies, including Chairman of PYI Corporation Limited (parent company of Paul Y Construction Group). He still sits on the boards of several publicly listed companies as Independent Non-executive Director.

What makes Dr Chow so special was his unselfish commitment to public and community services. He was appointed Chairman of the Engineers Registration Board, Hong Kong Examinations and Assessment Authority, Construction Workers Registration Authority and Pamela Youde Nethersole Eastern Hospital, and Deputy Chairman of the Council of the Hong Kong Polytechnic University. He has also served as a member of the Hospital Authority, Housing Authority, Chinese Medicine Council, Education Commission, Curriculum Development Council, and the Court of HKU.



Apart from his services rendered in Hong Kong, Dr Chow served as a Deputy of the Shanghai Committee of the Chinese People's Political Consultative Conference for 20 years (four terms) from 1988 to 2008. In 2008, he was appointed an Honorary Fellow by the Shanghai Academy of Science and Technology.

Few engineers became law enforcers, but Dr Chow was keen on maintaining law and order in Hong Kong. He joined the then Royal Hong Kong Auxiliary Police Force as a police constable and was promoted to the rank of Senior Superintendent of Police when he retired. He also served for four years as Honorary Aide-de-camp to Lord David Wilson, former Governor of Hong Kong.

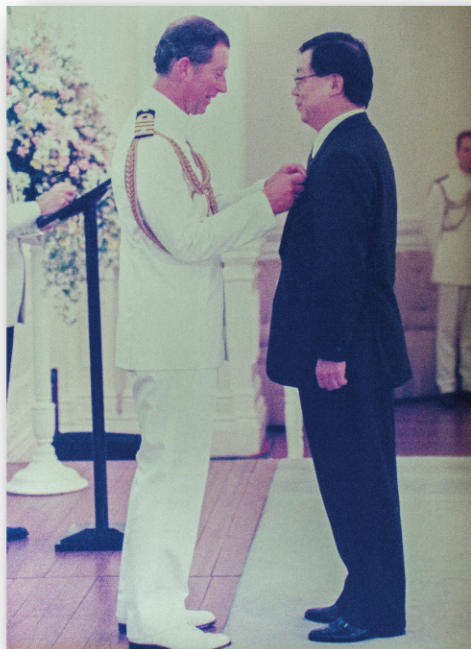
Socially, Dr Chow was Chairman of the Hong Kong Country Club as well as President of the Rotary Club of Hong Kong Island West.

Dr Chow contributed greatly to the HKIE and became involved starting with the Engineering Society of Hong Kong in the early 1970s. He later chaired many boards and committees such as the Structural Division, and became the President in 2001.

For his contributions to education and healthcare, Dr Chow was appointed as a Justice of the Peace in 1992 and was awarded an OBE in 1997.

For his long service to the Royal Hong Kong Auxiliary Police Force, he was awarded the Colonial Special Constabulary Medal in 1996.

From 1994, as Deputy Council Chairman, Dr Chow was instrumental in transforming the then Hong Kong Polytechnic into the modern PolyU. In recognition of his contributions, in 1999 PolyU conferred to him the degree of DEng (Honoris Causa).



Also, as the Chairman of the HKU Engineering Society in 1962, Dr Chow organised the HKU Engineering Golden Jubilee Celebrations. Interestingly, exactly 50 years later, in 2012, he was asked by the Faculty of Engineering to organise the HKU Centenary Celebrations. He organised a series of Distinguished Lectures, the publication of "A Century of Excellence" and the Centenary Gala Reunion Dinner attended by over 1,500 graduates and friends. For this and other contributions to his alma mater, he was appointed an Honorary Fellow of HKU in 2013. He continues to serve his alma mater as a Member of the Campus Development and Planning Committee.

Dr Chow founded the HKU Engineering Alumni Association in 1975, and was recently made its first and only Life Honorary President.

Dr Chow is married to a prominent, long-serving Hong Kong politician and has two daughters who are both happily married, and two granddaughters and two grandsons.



胡法光 博士、工程師, GBS, CBE, JP
Ir Dr HU Fa Kuang, GBS, CBE, JP
BSc, Hon DSocSc, FHKIE

胡法光博士、工程師

胡法光博士、工程師祖籍江蘇無錫，一九二四年生於上海。胡博士於一九四四年畢業於上海交通大學機械工程系，其後取得英國特許工程師專業資格。胡博士於一九六六年創辦菱電工程有限公司，並發展成為數十億港元的綜合企業，業務涉及工程、貿易和物業發展及投資。他現時是菱電發展有限公司名譽主席。

胡博士對提升香港工程業界的專業水平不遺餘力。他是香港電梯業協會和香港機電工程承建商協會的創辦會長，經常向香港政府提出改善工程界專業水平的建議。同時，他更積極鼓勵和協助本港工程公司在內地拓展業務。

胡博士是現任工程師社促會名譽會長、香港管弦協會名譽顧問、滬港經濟發展協會永遠名譽會長、香港僱主聯合會諮議會成員、香港工商專業聯會顧問、上海交通大學董事會名譽董事、亞洲協會理事、香港機電工程商聯會永遠名譽會長和民建聯會務顧問。

胡博士積極參與社會事務，出任多個政府機構和公營機構的重要公職。他曾任全國政協委員、港事顧問、選舉委員會委員、立法局議員、市政局議員、區議局議員、房屋委員會委員及財務委員會主席、九龍城寨清拆特別委員會主席、土地發展公司首任主席、康樂體育局主席、體育學院董事、法律改革委員會委員、交通諮詢委員會委員、新機場諮詢委員會主席、香港特別行政區基本法諮詢委員會委員、香港特別



行政區籌備委員會委員及香港特別行政區第一屆政府推選委員會委員。

另外，胡博士亦熱心推廣體育運動，現擔任中國香港體育協會暨奧林匹克委員會名譽副會長，以及多個體育總會的會長及名譽會長。他還捐款資助香港城市大學發展體育。當校內的運動中心於二零一零年落成時，城大將之命名為「胡法光運動中心」，以茲紀念。

一九七七年，胡博士獲香港政府授封太平紳士，並分別於一九八五年和一九八九年獲頒授大英帝國官佐勳章和大英帝國司令勳章，另於一九九九年分別獲得日本天皇和上海市政府授予勳四等瑞寶章和白玉蘭榮譽獎。二零零二年，香港特別行政區政府藉著頒授金紫荊星章，再次肯定胡博士對香港社會的貢獻。



Ir Dr HU Fa Kuang

Ir Dr Hu Fa Kuang was born in Shanghai in 1924. He graduated with a BSc from Shanghai Jiaotong University in 1944, and became a Chartered Engineer. In 1966, he founded Ryoden Electric Engineering Company Limited which grew to a multi-billion conglomerate engaging in engineering, trading and property development and investment. Currently, Dr Hu is the Honorary Chairman of Ryoden Development Limited.

Dr Hu has devoted tremendous efforts to upgrading the engineering industry in Hong Kong. He is the Founding Chairman of both the Lift and Escalator Contractors Association and the Hong Kong Electrical and Mechanical Contractors Association. He has made numerous proposals to Hong Kong Government for enhancing the efficiency and professional standards of the engineering industry. He has also encouraged and assisted Hong Kong engineering companies in expanding business in Mainland China.



Dr Hu is currently Honorary President of the Association of Engineering Professionals in Society, Honorary Advisor of Hong Kong Philharmonic Society, Life Honorary President of Hong Kong-Shanghai Economic Development Association, Council Member of Hong Kong Employers' Federation, Advisor of Business and Professionals Federation of Hong Kong, Honorary Member of the Board of Governors of Shanghai Jiaotong University, Council Member of the Asia Society, Honorary Life President of the Hong Kong Federation of Electrical and Mechanical Contractors Limited, and Party Affairs Advisor of Democratic Alliance for the Betterment and Progress of Hong Kong.

Dr Hu has taken up significant roles in many government and public organisations, as Member of the Chinese People's Political Consultative Conference, Hong Kong Affairs Advisor, Member of Hong Kong Election Committee, Member of Legislative Council, Member of Urban Council, Member of District Board (Wanchai), Member of Hong Kong Housing Authority and Chairman of Establishment and Finance Committee of Hong Kong Housing Authority, Chairman of Special Committee on Clearance of Kowloon Walled City of Hong Kong Housing Authority, First Chairman of Land Development Corporation, Chairman of Council for Recreation and Sport, Board Member of Hong Kong Sports Institute, Member of Law Reform Commission of Hong Kong, Member of Transport Advisory Committee, Chairman of Consultative Committee of the New Airport, Member of the Consultative Committee for the Basic Law of the HKSAR, Member of the Preparatory Committee for the HKSAR, and Member of the Selection Committee for the First HKSAR Government.

Dr Hu is enthusiastic in promoting sport activities in Hong Kong. He is currently Honorary Vice-President of Sports Federation and Olympic Committee of Hong Kong and serves as President and Honorary President of many National Sports Associations. He made donations to support the sports development of City University of Hong Kong, and in 2010 the university's sports centre was named "Hu Fa Kuang Sports Centre".

Dr Hu was appointed as a Justice of the Peace in 1977 and awarded an OBE and a CBE in 1985 and 1989, respectively. In 1999, he was awarded the Order of the Sacred Treasure, Gold Rays with Rosette by the Japanese Government and the Magnolia Gold Award by Shanghai Municipal People's Government. He was awarded the Gold Bauhinia Star by the HKSAR Government in 2002.





胡應湘 爵士、博士、工程師，
GBS, KCMG
Ir Dr Sir Gordon WU Ying Sheung,
GBS, KCMG
BScEng(Princeton), HonDEng(PolyU),
HonDBA(Strathclyde), Doctorem
honoris causa(Edinburgh),
HonLLD(Lingnan), HonDSocSc(CityU),
HonDBA(MUST), HonLLD(Manitoba),
HonDSocSc(HKIEd), FICE, HonFHKIE,
FHKIE, FCILT, FCPA, FHKAES

胡應湘爵士、博士、工程師

胡應湘爵士、博士、工程師一九五八年畢業於美國普林斯頓大學，獲土木工程理學士學位，現為合和實業有限公司及合和公路基建有限公司的董事局主席。他於一九六零年代建立合和集團，並在一九七二年成功將合和實業於香港聯合交易所上市。

胡爵士是香港建築行業的先驅。自一九七九年內地實施改革開放政策，他是首位香港企業家能洞悉內地基礎建設潛力，並成功開拓該市場。他於內地所投資興建的主要公路及發電項目包括廣深高速公路、廣州東南西環高速公路、廣珠（西線）高速公路一期、二期及三期、順德公路、虎門大橋、沙角B電廠、沙角C電廠和廣東河源電廠等。此外，他還開發了位於菲律賓的數個發電廠。

合和集團先後投資了逾五百公里的高速公路，以及總裝機容量達六千一百二十五兆瓦的發電廠項目。撇除該集團在房地產的投資，單計算上述基建項目的總投資已達港幣八百三十億元。

憑藉胡爵士的開創精神，他更引入了為建築及基建提升生產效率的創新方法。他將「滑模技術」成功應用於建築施工上，從而達至每三天一個樓層的速度興建大型高層建築物。除六十六層高的合和中心外，該方法亦成功套用於許多其他建築和發電廠項目。他還為基建發展首創了BOT（建設—營運—移交）概念。其中沙角B電廠項目於一九八零年代落成，創下了僅廿二個月竣工的世界紀錄，並於一九九九年移交至中國投資方，成為BOT概念的成功實證。



胡爵士成就超卓，曾獲頒授多項國際榮譽及獎項，包括：

- 一九八五年 獲比利時國王頒授Chevalier de L'Ordre de la Couronne勳章；
- 一九九一年 獲敦豪及南華早報選為年度傑出商業家；
- 一九九一年 獲香港亞洲經濟週刊選為傑出「亞洲公司領袖」；
- 一九九四年 獲美國International Road Federation選為年度傑出人士；
- 一九九六年 獲美國George Washington University選為年度傑出國際行政總裁；
- 一九九七年 獲英女皇頒授聖米迦勒及聖喬治爵級司令勳章；
- 二零零四年 獲香港特別行政區政府頒授金紫荊星章；
- 二零零七年 獲克羅地亞共和國頒授The Order of Croatian Danica with figure of Blaz Lorkovic勳章；
- 二零零七年 獲比利時國王HM Albert II頒授Officer de L'Ordre de la Couronne勳章；
- 二零一零年 獲CNBC頒授第九屆亞洲最佳企業領袖獎 — 終身成就獎；及
- 二零一三年 獲敦豪及南華早報頒授二零一三香港商業獎 — 終身成就獎。

胡爵士是香港工程師學會名譽資深會員（一九九五年），同時為英國土木工程師學會資深會員及香港工程科學院院士。他亦獲八所大學頒授榮譽博士學位，包括英國愛丁堡大學、加拿大曼尼托巴大學、香港理工大學、香港城市大學、澳門科技大學和香港教育學院。

胡爵士致力在內地及香港履行自己的公民義務。他曾於一九八三年至二零一三年間出任中國人民政治協商會議全國委員會委員，並長時間為廈門經濟特區、廣西壯族自治區及秦皇島擔任經濟顧問。在香港，他曾擔任香港策略發展委員會委員（一九九八年至二零零九年）、香港港口及航運局主席（二零零零年至二零零三年），及香港地產建設商會副會長。

胡爵士不僅是一位工程師或商業企業家，他亦以務實簡樸的生活態度服務社會，致力促進教育及公益。除了在香港、內地、英國和北美洲等地支持了十七所中學、大專以及大學等學術機構外，他的慈善工作更廣泛延伸至其他範疇，如香港童軍總會、博物館及專業團體。

為表彰其出眾成就，胡爵士亦獲頒二零一五年香港工程師學會榮譽大獎。



Ir Dr Sir Gordon WU Ying Sheung

Ir Dr Sir Gordon Wu Ying Sheung graduated from Princeton University with a BSc in Engineering in 1958, and is the Chairman of the Board of Hopewell Holdings and Hopewell Highway Infrastructure. He established the Hopewell Group in the 1960s, and Hopewell Holdings has been listed on the Hong Kong Stock Exchange since 1972.

Sir Gordon is a successful pioneer of Hong Kong's construction industry. He was the first Hong Kong entrepreneur to identify Mainland China's potential for infrastructure development, and entered the market soon after China embarked on its Open Door Reform Policy in 1979. Major highway and power generation projects he launched in Mainland China include Guangzhou-Shenzhen Superhighway, Guangzhou East-South-West Ring Road, Phases I, II and III of the Western Delta Route, Shunde Highways System, Humen Bridge, Shajiao B and C Power Stations, and Heyuan Power Station. He has also developed power stations in the Philippines.



In total, the Hopewell Group has invested in over 500km of highways, and power plants with a total generating capacity of 6,125MW, in Mainland China. These infrastructure projects involved an investment of HK\$83 billion; a figure that excludes the group's real estate investments.

Thanks to his pioneering spirit, Sir Gordon has also introduced innovative approaches to building and infrastructure development. He successfully applied the "Slipform method" to building construction, thus making it possible to build large high-rise buildings at a rate of one floor every three days. The method was adopted for the

construction of Hopewell's 66-storey headquarters, as well as many other buildings and power station projects. He also pioneered the Build-Operate-Transfer (BOT) concept for infrastructure development. Shajiao B Power Station was completed in the 1980s, in a world record of just 22 months, and transferred to the government in 1999, providing a very successful example of the BOT concept.

Sir Gordon has received many honours and awards throughout his distinguished career, including:

- 1985 Chevalier de L'Ordre de la Couronne by the King of Belgium;
- 1991 Business Man of the Year by DHL and the South China Morning Post;
- 1991 Asia Corporate Leader by Asia Finance Magazine, Hong Kong;
- 1994 Man of the Year by the International Road Federation, USA;
- 1996 International CEO of the Year by George Washington University, USA;
- 1997 Knight Commander of the Order of St Michael and St George (KCMG) by the Queen of England;
- 2004 Gold Bauhinia Star by the HKSAR;
- 2007 The Order of Croatian Danica with figure of Blaz Lorkovic by the Republic of Croatia;
- 2007 Officer de L'Ordre de la Couronne by HM Albert II, King of Belgium;
- 2010 The Lifetime Achievement Award of the 9th Asia Business Leaders Award by CNBC; and
- 2013 The Lifetime Achievement Award of 2013 Hong Kong Business Awards by DHL and the South China Morning Post.

Sir Gordon is an Honorary Fellow of the HKIE (1995), and a Fellow of the Institution of Civil Engineers and Hong Kong Academy of Engineering Sciences. He has also been conferred honorary doctorates by eight academic institutions, including the University of Edinburgh, University of Manitoba, the Hong Kong Polytechnic University, City University of Hong Kong, Macau University of Science & Technology, and the Hong Kong Institute of Education.

Sir Gordon has contributed to society throughout his career, discharging his civic duties in Mainland China as well as Hong Kong. He was a member of the Chinese

People's Political Consultative Conference from 1983 until 2013 and is a long-term adviser to the Xiamen Special Economic Zone, Guangxi Zhuang Autonomous Region and Qinhuangdao. In Hong Kong, he has served as a member of the Commission on Strategic Development (1998-2009), Chairman of the Hong Kong Port and Maritime Board (2000-2003) and Vice President of the Hong Kong Real Estate Developers Association.

Sir Gordon is not "just" an engineer, or an entrepreneur; he has cultivated a simple pragmatic life style by being down-to-earth and is a powerful and generous supporter of education through his philanthropic work with some 17 establishments, ranging from secondary schools to higher education and universities, in Hong Kong, Mainland China, the UK and North America. His philanthropic work also spans personal development, such as, the Scout Association of Hong Kong, museums, and professional institutions.

In recognition of his outstanding achievements, Sir Gordon was also awarded the HKIE Gold Medal 2015.





陳永堅 工程師, BBS
 Ir Alfred CHAN Wing Kin, BBS
 BSc(Eng), MSc(Eng), CEng, FHKIE,
 FIGEM, FIMechE, FEI

陳永堅工程師

陳永堅工程師，最初從事製造業，在本地和跨國公司工作了十八年。陳工程師於一九九二年加入香港中華煤氣有限公司（煤氣公司）擔任市務科總經理，職責範圍其後擴展至顧客服務，並於一九九七年五月出任常務董事。

煤氣公司是一間植根香港的公用事業公司。過往二十年，煤氣公司已發展成為經營多元化業務的跨國際企業，包括城市燃氣、水務、潔淨能源和電訊等業務。煤氣公司主力在中國內地拓展業務，現時在內地已有逾二百個項目，大部分為合資企業。二零一二年，煤氣公司更將上游的能源業務擴展至泰國。

陳工程師亦出任港華燃氣有限公司主席。港華燃氣有限公司為集團於內地城市的燃氣旗艦業務，並於香港上市。

陳工程師在工程、生產、市務推廣、服務和行政管理等方面均累積了豐富經驗。在陳工程師的領導下，煤氣公司已經走出香港，由經營管道燃氣業務的香港公司發展成為一家業務多元化的亞洲企業。





陳工程師於一九七四年在香港大學畢業，專修機械工程，其後取得工業工程碩士學位。一九七六年，陳工程師獲頒獎學金，前赴英國霍克•西德利公司（後來改稱英國航太公司，現稱英國航太系統）接受為期十二個月的工程訓練。除英國外，陳工程師也曾在瑞典接受工程訓練，並於匹茲堡大學、史丹福大學和哈佛商學院就讀行政管理課程。

陳工程師現為英國機械工程師學會、英國燃氣專業學會、英國能源學會以及香港工程師學會的資深會員。此外，陳工程師自二零一二年起一直出任中國城市燃氣協會副理事長。

多年來，陳工程師熱心服務社會，曾擔任多個法定委員會和諮詢委員會的公職，服務範疇包括城市規劃、科技發展和教育。香港特別行政區政府於二零零五年頒授銅紫荊星章予陳工程師，以表彰其積極參與公共服務，和對社會作出的重要貢獻。同年，陳工程師獲頒發敦豪／南華早報香港商業獎之「傑出管理獎」，並於二零零六年獲得香港董事學會頒發「傑出董事獎」。二零一五年五月，陳工程師榮獲英國燃氣專業學會和英國能源及公用事業聯盟在英國倫敦頒發的「二零一五年燃氣行業獎」的「最佳領袖獎」。他是首位獲此殊榮的華人商界精英。二零一五年十月，陳工程師獲最權威管理雜誌《哈佛商業評論》選為全球百大最佳CEO之一。

陳工程師在商界亦貢獻良多，自二零零七年七月獲香港渣打銀行委任為獨立非執行董事，並於二零一四年七月獲選為香港管理專業協會主席。

二零一五年十二月，陳工程師榮登香港工程師學會香港工程界翹楚名錄。



Ir Alfred CHAN Wing Kin

Ir Alfred Chan Wing Kin started his career in the manufacturing industry, serving in local Chinese companies as well as international firms for some 18 years. In 1992, he joined The Hong Kong and China Gas Company Limited (Towngas) as General Manager – Marketing, where his portfolio later expanded to include customer services. He has been Towngas' Managing Director since May 1997.

From its origins as a Hong Kong gas utility company, Towngas has in the past 20 years evolved into a multi-location and diversified business, spanning city gas, city water, clean energy and telecommunications. Most of its expansion is in Mainland China, where it now has over 200 business operations that are mainly joint ventures. In 2012, the company expanded its upstream energy business to also include Thailand.

Ir Chan is also the Chairman of Towngas China Company, a Hong Kong listed company specialising in city gas business in Mainland China.

Ir Chan has rich experience in engineering, production, marketing, customer service and general management. Under his leadership, Towngas has transformed from a localised piped gas company in Hong Kong, into a multi-discipline, regional conglomerate in Asia.

Ir Chan graduated in Mechanical Engineering from the University of Hong Kong in 1974, and later obtained a Master's degree in Industrial Engineering from the same institute. In 1976, Ir Chan received a scholarship enabling him to take up a 12-month engineering training period with Hawker Siddeley Aviation in the UK, which was later known as British Aerospace and now BAE Systems. In addition to the UK, Ir Chan also received industrial training in Sweden, and attended executive programmes at the University of Pittsburgh, Stanford University and Harvard Business School.

Ir Chan is a Fellow of the HKIE; Fellow of the Institution of Mechanical Engineers, Fellow of the Institution of Gas Engineers and Managers (IGEM) and Fellow of the Energy Institute of the UK. He has also served as Vice Chairman of the China Gas Association since 2012.

Ir Chan plays active roles in a number of statutory and advisory committees of the government institutions, spanning town planning, technology development and education. In 2005, Ir Chan was awarded the Bronze Bauhinia Star by the HKSAR Government for his active participation in and significant contributions to public service. He also won the Executive Award in the Hong Kong Business Awards organised by DHL and the South China Morning Post in the same year. In 2006, he was named Director of the Year by The Hong Kong Institute of Directors; and in May 2015, he became the first Chinese business leader to receive the Leadership Award in the Gas Industry Awards 2015, jointly presented by IGEM and the Energy and Utilities Alliance in London, UK. In October 2015, Ir Chan was named one of the world's 100 Best-Performing CEOs by the authoritative management magazine, *Harvard Business Review*.

Being a staunch supporter of the business community, Ir Chan was appointed as an Independent Non-executive Director of Standard Chartered Bank (Hong Kong) in July 2007, and was elected Chairman of the Hong Kong Management Association in July 2014.

In December 2015, Ir Chan was inducted into the HKIE's Hall of Fame.



陳兆根 博士、工程師
Ir Dr Alex CHAN Siu Kun
BSc(Eng), PhD, R.P.E.(BSS, FRE, MCL),
FHKIE, FHKEng, FHKIOA,
IntPE(Hong Kong), APEC Engineer

陳兆根博士、工程師

陳兆根博士、工程師於一九七七年在香港大學畢業，取得機械工程系學士學位，畢業後從事機電承建工程。四年後，他重返母校攻讀流體動力學哲學博士課程。取得博士學位前，他投身教育界，在香港理工學院（香港理工大學前身）機械工程系任教。三年後，他放下教鞭，在一九八七年年底加入柏誠（亞洲）有限公司，負責本地、中國內地及境外多項大型基建工程項目。一九九六年初，陳博士出任遠東鋁質工程有限公司執行董事，該公司的業務主要是承辦建築物外牆工程。一九九九年，他創立應科有限公司，從事產品及系統設備的推廣和開發工作，並提供專業顧問服務。

三十多年來陳博士在香港、內地及境外十多個城市從事規劃、設計、施工和相關管理工作，參與了多個地鐵和區域鐵路、行車隧道和其他大型基建項目。現致力與歐美廠家合作，在內地、香港、澳門、亞太和大洋洲地區代理產品和執行專案。近期陳博士致力產品研發工作，並獲取三個國家知識產權局防水百葉系統和城市空氣淨化系統實用新型專利證書。陳博士亦曾參與娛樂設施的效果工作以及設計和建造項目。





陳博士多年來除在專業界發展，並熱心服務社會，貢獻良多，他更在一九九三年獲選為香港「十大傑出青年」。陳博士是香港工程師學會二零零三/二零零四年度會長，曾擔任香港特別行政區城市規劃委員會委員、工程師註冊管理局成員、房屋委員會建築小組和審計小組委員會委員，以及在一九九八、二零零二及二零零六年擔任香港特別行政區選舉委員會委員，現任大律師紀律審裁團成員、華人永遠墳場管理委員會委員暨工程及發展委員會主席。二零零七年獲選為「悉尼協議」主席並於二零零九年連任，期間擔任國際工程會議委員會委員。二零一四年獲選為「國際專業工程師協議」主席。二零一五年六月獲選為「國際工程聯盟」副主席。二零一五年三月香港工程師學會向陳博士頒發「香港工程師學會一會長特設成就獎」以示表揚其多年來對學會和國際上在工程教育及專業能力協議的貢獻及認可。陳博士在二零一三年年底獲選為香港工程科學院院士，二零一五年十月獲委任為香港學術及職業資歷評審局主席、同時出任自資專上教育委員會、人力發展委員會及教育質素保證聯絡委員會委員。

Ir Dr Alex CHAN Siu Kun

Ir Dr Alex Chan Siu Kun graduated from the University of Hong Kong in 1977 with a BSc in mechanical engineering. He worked in the electrical and mechanical (E&M) contracting field for over four years, before returning to the same university to pursue his PhD degree in fluid dynamics. Before joining Parsons Brinckerhoff (Asia) Limited in late 1987 – where he was involving in local, Mainland China and non-local infrastructure projects, he spent three years teaching engineering in the then Hong Kong Polytechnic. He joined the building facade manufacturing and contracting field in early 1996, and became Executive Director (Operations) of Far East Aluminium Works Company Limited. In 1999, he established Applied Technology Integration Limited for marketing and development of products and systems and providing special consultancy services.

The capable hand of Dr Chan in marketing and development of products, systems and services, building facade manufacturing and contracting, transportation infrastructure, system engineering for tunnels, environmental impact assessments, and E&M contracting works has left its mark on numerous large scale multi-disciplinary projects, both locally and worldwide. He has been involved in many mass transit systems, mainline railways and road tunnel projects locally, in Mainland China and internationally. He has also completed numerous investigations and remedial works on specific issues of buildings, facilities, and products. He is also active in product development and innovation. Recently, he obtained three Certificates of Utility Model Patent on weatherproof louvre systems and an air purification system for metropolitan environments from the State Intellectual Property Office of the People's Republic of China. He has also participated in the effects market of entertainment facilities and design and built projects.

In recognition of his engineering achievements and service to the community, in 1993, Dr Chan was awarded “Ten Outstanding Young Persons” in the professional category. Dr Chan became the President of the HKIE for Session 2003/2004. Apart from the HKIE, Dr Chan has also served numerous international, local government and public organisations in various capacities. He has served as a member of the Town Planning Board, Engineers Registration Board and committees of Hong Kong Housing Authority. He was elected as a member of the Engineering Sub-sector of the Election Committee in 1998, 2002 and 2006. He

is a member of the Barristers Disciplinary Tribunal Panel and a member of the Board of Management of the Chinese Permanent Cemeteries and the Chairman of its Works and Development Committee. In December 2013, Dr Chan was elected as a Fellow of the Hong Kong Academy of Engineering Sciences.



In March 2015, Dr Chan received the HKIE President's Award in recognition of his contributions to the Institution and international engineering education and competence agreements. These contributions included his service as Chair of the Sydney Accord from 2007 to 2011, and as Chair of the International Professional Engineer Agreement from 2014. In June 2015, Dr Chan was elected as the Deputy Chair of the Governing Group of the International Engineering Alliance, the coordinating body of seven international engineering education and competency agreements. In October 2015, he was appointed as the Chair of the Hong Kong Council for Academic Accreditation and Vocational Qualifications.





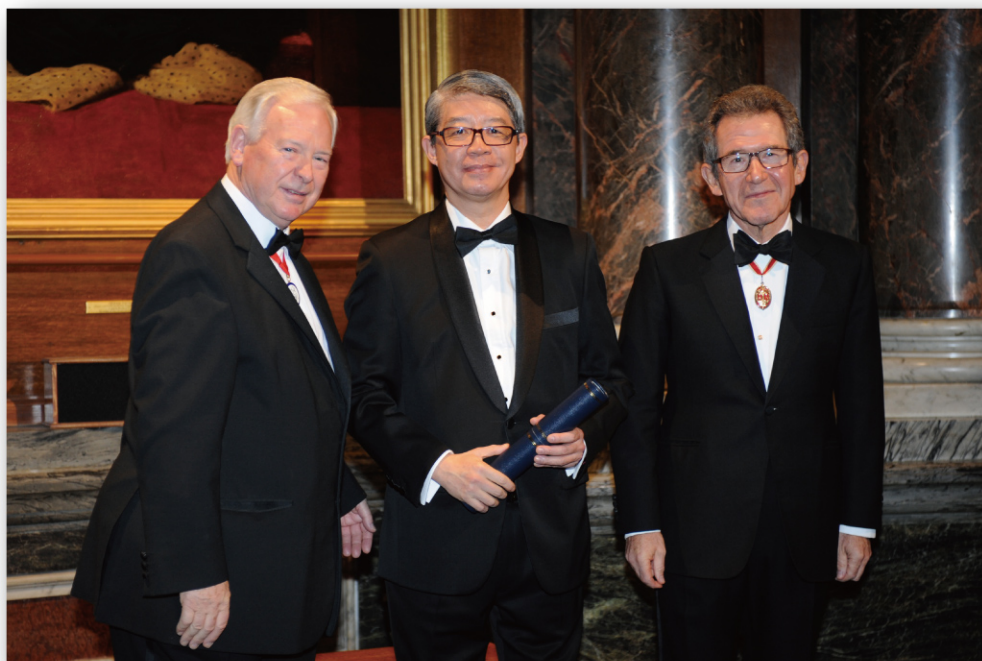
陳嘉正 博士、工程師, BBS, JP
Ir Dr Andrew CHAN Ka Ching,
BBS, JP
BSc, PhD (Cantab), FHKIE, FHKEng,
FICE, FREng

陳嘉正博士、工程師

陳嘉正博士、工程師在國際土木、岩土及跨界別工程專業擁有逾四十年的豐富經驗，現任奧雅納工程顧問集團信託董事局主席，該公司為全球最頂尖的跨界別工程顧問公司之一。此前，他歷任集團環球副主席、東亞區及香港公司主席。陳博士早年取得英國劍橋大學力學博士並於當地工作。

多年來陳博士設計並帶領團隊打造了許多地標性建築及重大基建項目，獲得一系列專業獎項的肯定，其中包括香港滙豐銀行大廈、國際金融中心、環球貿易廣場、北京二零零八年奧運會場館（鳥巢和水立方）、央視大廈、北京新機場大樓和廣州塔等。此外，他還參與及領導過多個重大的基建項目，包括生態城市規劃、交通和能源項目，對香港、中國大陸及亞太地區的城市發展作出重要貢獻。

陳博士早期參與的項目和相關研究，為市區深開挖和地基工程的實踐帶來重大的貢獻。近年，他致力推廣香港綠色建築並提倡工程師在建構永續和低碳城市的領導角色。





陳博士積極支持工程教育、培養年青工程師及關心工程師在人道及社會關懷的任務。他擔任香港科技大學土木工程學系兼任教授已有多年，亦是香港理工大學名譽教授及可持續城市發展研究院國際諮詢委員會主席。

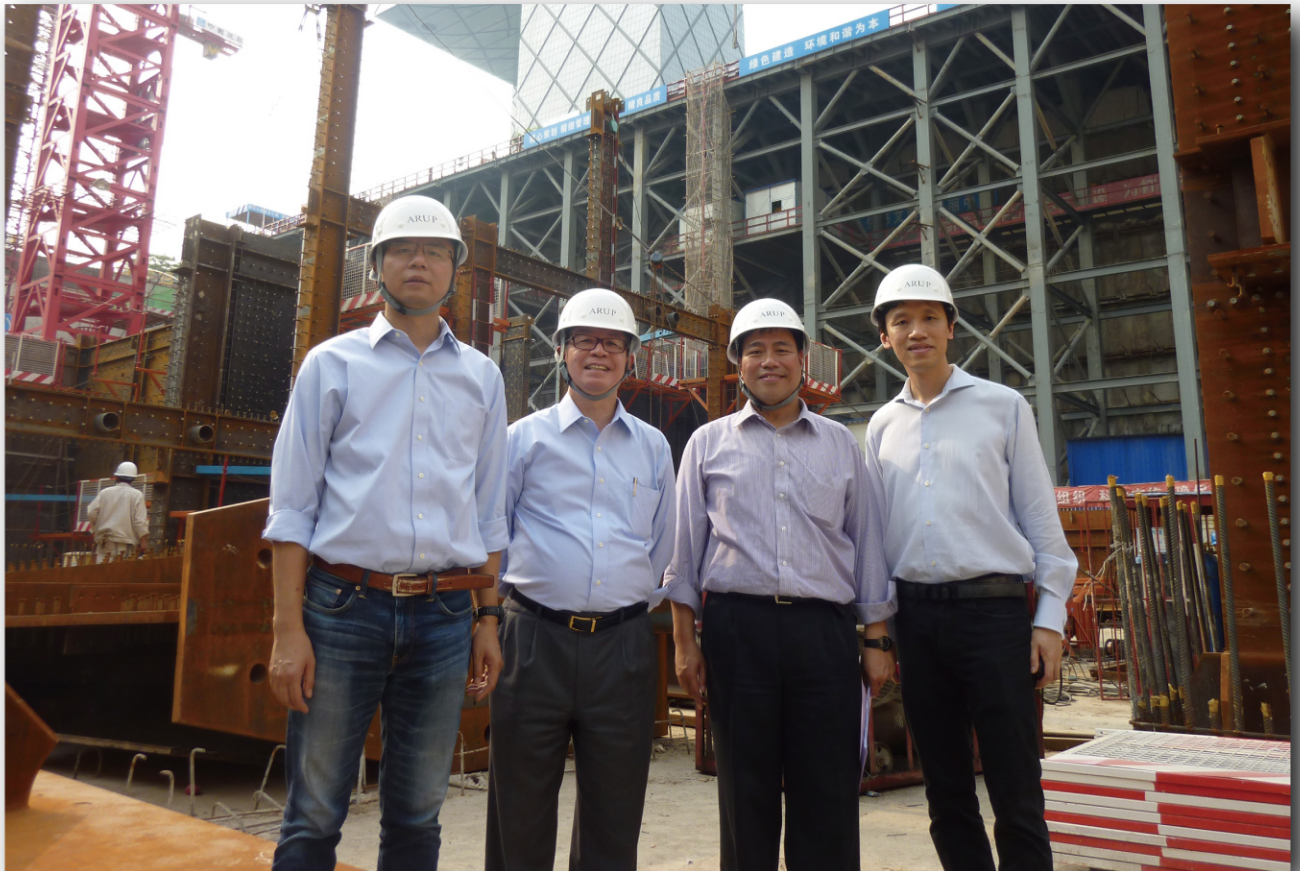
多年來他代表業界服務於多個法定及諮詢委員會。他對工程規劃、設計和建造充滿熱誠。不論是本地或是國際會議和活動，都爭相邀請陳博士擔任講者。他曾於本港及世界各大院校及國際會議進行演講，並發表眾多論文。香港工程師學會二零一三年舉辦的卓越工程講座，陳博士也是講者之一。

陳博士歷任香港工程師學會會長（二零零九/二零一零年度）及香港綠色建築議會創會主席。他是二零一四年香港工程師學會榮譽大獎得主。他亦是香港科技大學榮譽院士、香港工程科學院院士及高級副院長，並於二零一二年獲英國皇家工程院頒發院士榮銜。陳博士於二零零六年獲香港特別行政區政府任命為太平紳士及二零一二年頒授銅紫荊星章，以表揚他對工程界及社會的貢獻。

Ir Dr Andrew CHAN Ka Ching

Ir Dr Andrew Chan Ka Ching has had a 40-year career in international civil, geotechnical and multi-disciplinary engineering practice. He is currently Chairman of the Board of Trustees of the global Arup Group, one of the world's foremost multi-disciplinary engineering consultancy firms. Prior to his present appointment, he was Deputy Chairman of Arup Group; and before that, Chairman of Arup's East Asia Region and of the Hong Kong office. He received his doctorate degree from the University of Cambridge and spent the formative years of his career in the UK.

Dr Chan is distinguished for his contributions and leadership in the creation, design and delivery of some of the most celebrated buildings and infrastructure facilities in the region. These innovative and award-winning projects include the HSBC Main Building, IFC and ICC towers in Hong Kong, the 2008 Olympics venues, the China Central Television Tower, the new airport terminal in Beijing, Canton Tower in Guangzhou, as well as major infrastructures for sustainable urban development, transport and energy projects for many cities in Asia.



Through his earlier projects and related research, Dr Chan has made important contributions to the practice of urban deep excavation and foundation engineering. In recent years, he spearheaded the green building movement and advancement of sustainable design in Hong Kong, making great strides in promoting engineers' leading role in sustainability and a low-carbon future for cities.

Dr Chan actively supports engineering education, through advising and lecturing at a number of universities. He has been Adjunct Professor of Civil Engineering at the Hong Kong University of Science and Technology for many years, and is Honorary Professor and Chairman of International Advisory Committee of the Hong Kong Polytechnic University's Research Institute for Sustainable Urban Development. He is passionate about nurturing young engineers and engineers' responsibility for projects delivering humanitarian and social benefits.

For the profession and the community, Dr Chan has served on many statutory and advisory bodies in Hong Kong over many years. He is a sought-after speaker at conferences and events both locally and internationally, and has spoken and published widely on his vision, projects and practices for planning, design and construction. He was a speaker of the HKIE's Distinguished Lecture Series in 2013.

Dr Chan is a Past President (Session 2009/2010) and Gold Medalist (2014) of the HKIE, Founding Chairman of the Hong Kong Green Building Council, Honorary Fellow of HKUST, and Fellow and Senior Vice President of the Hong Kong Academy of Engineering Sciences. In recognition of his achievements, in 2012 he was elected a Fellow of the Royal Academy of Engineering, the UK's national academy. He was appointed a Justice of the Peace by the HKSAR Government in 2006, and awarded the Bronze Bauhinia Star in 2012 for his contributions to engineering and the built-environment in Hong Kong.





詹伯樂 工程師, GBS, OBE, JP
Mr James BLAKE, GBS, OBE, JP
HonFHKIE, FICE, FStructE, FHKEng, FIHT

詹伯樂工程師

詹伯樂工程師是一名土木及結構工程師，擁有超過五十年豐富經驗，其傑出成就早已獲得世界公認。他對工程業界有著重大的貢獻，為建設社會不遺餘力。一九九一年，他獲選為香港工程師學會會長。為肯定他對香港發展的卓越貢獻，他於二零零七年獲頒發香港工程師學會名譽資深會員，並於二零一三年獲頒香港工程師學會榮譽大獎。詹伯樂工程師於二零一二年更獲香港特別行政區政府頒授金紫荊星章，以表揚他致力參與公共及社會服務，貢獻良多。一九九六年，詹伯樂工程師獲頒大英帝國官佐勳章並獲委任為太平紳士。詹伯樂工程師對建造安全充滿熱誠，一直致力推動業界採用安全措施，因此，他在二零零七年獲明建會頒予Lifetime Achievement Award for Safety。他亦於一九九七年榮獲英國土木工程師學會頒發金獎章。

詹伯樂工程師第一次來香港時，是一位年輕的工程師，從英國派駐到香港服役。他當時負責監督泳池建設等項目，由於鍾愛香港的生活方式，故於返回英國後決意重臨。他加入了Scott Wilson Kirkpatrick & Partners後，說服僱主將他調派到香港，負責監督一項政府合約工程。

詹伯樂工程師曾監督多個大型工程，如葵涌發展項目、荔枝角大橋、屯門公路及本港首條海底隧道的建設。他其後加入保華建築，即荔枝角大橋的承建商。

當時，該公司有意就擬興建的香港集體運輸系統競投合約，詹伯樂工程師與一間顧問公司的工程師合作，共同制訂適合本地環境的建造方法。舉例來說，由於香港勞動力充裕但欠缺建造地下連續牆的經驗，因此他的團隊建議採用手挖沉箱去挖掘地鐵站，放棄採用重型機械。此作業方式十分成功，該公司亦贏得鑽石山、彩虹站、連接彩虹及九龍灣站的鐵路線以及九龍灣車廠的建設合約。



詹伯樂工程師於保華建築任職達十八年，獲擢升為首席工程師，協助公司及其合營夥伴發展東區海底隧道，並參與新加坡地鐵車廠等其他項目，至一九八八年辭任。

詹伯樂工程師其後一度作個人發展及任職於茂盛(亞洲)工程顧問，然後在一九九一年獲聘任為工務司這個新設的政府職位。詹伯樂工程師認為要確保各項目進展順利，不單要靠工務局的專業人士，還需要決策局的支援及撥款，因此他便主力擔當兩者之間的中介角色。



詹伯樂工程師擔任工務司期間，負責統籌建造費達一千六百五十億港元的香港機場核心計劃，包括新的國際機場、西九龍填海、青馬大橋、汲水門大橋，以及各項道路工程和鐵路工程，打造香港成為國際級城市。他為確保內地輸港淡水的穩定供應擔當著重要的角色，除了積極與內地人員協商之外，他亦制訂本港的污水處理指標，同時還致力監督香港會議展覽中心的擴建工程。

詹伯樂工程師於一九九七年至二零零四年期間出任九廣鐵路公司新鐵路工程高級總監，負責監督該鐵路網絡擴展計劃的施工情況，包括西鐵及東鐵延線，以及落馬洲 — 尖沙咀 — 西九龍段。

詹伯樂工程師於二零零六年獲委任為九廣鐵路公司行政總裁，協助處理公司與地鐵有限公司的營運合併事宜；合併完成後，他擔任九廣鐵路公司總裁，負責資產管理及商業發展項目。二零一三年至今，他擔任民政事務局項目覆檢顧問，負責覆檢啟德體育園區的規劃及投標前的設計。

詹伯樂工程師於一九九八年出任東南亞太平洋工程師協會聯盟會長，並於二零零五年出任香港會所主席。他現時是職業安全及健康學會名譽副主席。

Ir James BLAKE

Ir James Blake is a civil and structural engineer with over 50 years of experience in the field. His outstanding achievement has received a worldwide recognition. He has devoted his utmost for the betterment of the society and contributed greatly to the engineering profession in practical works. In 1991, he was elected the President of the HKIE. For his significant contributions to Hong Kong development, he received the honour of the HKIE Honorary Fellow in 2007 and the HKIE Gold Medal in 2013. He was presented with the Gold Bauhinia Star by the HKSAR Government for his distinguished public and community service in 2012. He was also awarded OBE and appointed as a Justice of the Peace in 1996. In recognition of his passion for construction safety and his dedication to driving the adoption of safety initiatives throughout his career, Ir Blake was awarded the Lighthouse Club Lifetime Achievement Award for Safety in 2007. He also received the Institution of Civil Engineers Gold Medal in 1997.

Ir Blake first came to Hong Kong as a young engineer posted to Hong Kong during his national service. He supervised projects including construction of a swimming pool, and liked the Hong Kong way of life so much that on returning to the UK, he was determined to find a way back. He joined Scott Wilson Kirkpatrick & Partners, and persuaded his new employers to send him to Hong Kong, to supervise a contract of government works.

Ir Blake oversaw major works, such as, the development of Kwai Chung, the construction of Lai Chi Kok Bridge, Tuen Mun Highway and the first cross-harbour tunnel. He then joined Paul Y Construction, the contractor for the Lai Chi Kok Bridge.



The company was interested in bidding for contracts to build a mass transit system in Hong Kong, and Ir Blake worked with the engineers from a firm of consultants, developing construction methods suitable for local conditions. For example, to excavate the MTR stations, his team proposed using hand-dug caissons rather than heavy machinery because Hong Kong had plenty of labour but little experience of diaphragm wall construction. The approach was successful, and the firm won the contracts for constructing Diamond Hill and Choi Hung Stations, the running line between Choi Hung and Kowloon Bay, and Kowloon Bay Depot.

Ir Blake spent 18 years with the company, becoming Chief Engineer and helping the firm and its joint venture partners develop the Eastern Harbour Crossing, with other projects including the Singapore MRT depot approaches before leaving in 1988.

In 1991, after a stint working for himself as well as for Maunsell Consultants Asia, Ir Blake applied for and was appointed to a new government position: Secretary for Works. Finding the Works Bureau was staffed by professionals, but required support and funding from policy bureaus led by administrative officers, he played a role as intermediary in order to keep the projects moving.

As Secretary for Works, Ir Blake was responsible for overall coordination of the HK\$165 billion Airport Core Programme, which included a new international airport, West Kowloon reclamation and roads, Tsing Ma and Kap Shui Moon bridges, and a railway that marked Hong Kong's transformation into a world-class city. He also played a critical role in securing a stable water supply for Hong Kong through negotiations with his counterparts in Mainland China, establishing the city's sewage treatment objectives and overseeing the extension of the Hong Kong Convention and Exhibition Centre.



In 1997, Ir Blake became Senior Director, Capital Projects, for the Kowloon-Canton Railway Corporation (KCRC); a position he held until 2004. He oversaw the implementation of the corporation's railway expansion programme, including West Rail and the East Rail Extensions including Lok Ma Chau – Tsim Sha Tsui – West Kowloon Links.

In 2006, he was appointed Chief Executive Officer of the KCRC, in which capacity he helped his colleagues manage the corporation's operational merger with the MTR Corporation Limited, and post merger the Chief Officer responsible for asset management and commercial developments. From 2013 until now he is Project Reviewer to the Home Affairs Bureau during planning and pre-tender design of the Kai Tak Multi-Purpose Sports Complex.

Ir Blake was President of the Federation of Engineering Institutions of South East Asia Pacific in 1998. He was Chairman of the Hong Kong Club in 2005 and is currently Vice President of the Institution of Occupational Safety and Health.



趙雅各 工程師, OBE, JP
Mr James CHIU, OBE, JP
BSc(Eng), HonFHKIE, FHKEng

趙雅各工程師

趙雅各工程師五十多年來致力推動香港建築業之發展，對工程界貢獻良多，在業內備受尊崇。趙工程師現為保華建業集團、英國通用工程（香港）及歐羅照明有限公司的主席，這些公司均為香港建造業的活躍業者。

自香港首條海底隧道落成後，趙工程師明白發展及提高香港機電行業的重要性，繼而通過和英國先進專業工程公司合作承包了多項設計和安裝公路隧道的機電系統，培養了本地專才的技能及知識。其中的項目包括東區海底隧道、西區海底隧道、大老山隧道、三號幹線大欖隧道、青嶼幹線和八號幹線交通控制及監控系統等。

趙工程師在他的職業生涯中實踐了跨領域的概念，一方面管理大量機電及監控系統的實施與界面管理，同時提倡了器械使用合規性及創新科技。

在管理架構複雜的集團及促進其發展方面，趙工程師亦具有豐富經驗。他於一九六四年畢業於香港大學，獲得電機工程學士學位。他在一九八零年加入了香港之英國通用電器，四年後成為其董事總經理，在一九九八年他被任命為亞太區總裁，直至二零零一年退休。其間該公司更名為Marconi Communications Asia Limited。他目前擔任保華建業和英國通用工程（香港）有限公司主席，一直積極參與高鐵興建項目。

趙工程師與香港工程師學會淵源久遠，關係深厚。自一九七五年加入學會後，他在一九八二年當選電機分部主席，及後成為一九九零/一九九一年度香港工程師學會會長。他對學會貢獻良多，包括成立了仲會員事務委員會，讓該委員會可派代表參與理事會、政策委員會及事務委員會。身為香港工程師學會的前任會長，他一直擔任The HKIE Benevolent Fund的受託人逾廿一年。趙工程師於二零一五年獲選為香港工程師學會名譽資深會員。

趙工程師亦積極投入其他行業和商業組織。他現時為香港機電工程商協會有限公司名譽司庫、建築環保評估協會有限公司董事局成員及香港工程科學院院士。趙工程師曾任香港英商會主席（一九九二年至一九九四年）及香港機電工程商聯會會長（二零零一年至二零零七年），現時則為香港機電工程商聯會終身會長。

趙工程師於一九九三年被委任為太平紳士，其後於一九九四年獲授予大英帝國官佐勳章。



Ir James CHIU

Ir James Chiu is a distinguished engineering professional with more than 50 years of significant achievements in Hong Kong's construction industry. He is now Chairman of Paul Y Engineering Group Limited, GTECH Services (Hong Kong) Limited and Euro Lighting Limited, which are all active stakeholders in the Hong Kong construction industry.

Ir Chiu played an important role in cultivating the skills and knowledge of Hong Kong's electrical and mechanical engineering industry, by taking on the challenge of designing and installing the electrical and mechanical (E&M) systems for the city's road tunnels, after the first cross-harbour tunnel was built primarily with overseas expertise. His portfolio includes, the Eastern Harbour Crossing, Western Harbour Crossing, Tate's Cairn Tunnel, Route 3 Tai Lam Tunnel, Lantau Fixed Crossing and Route 8 Traffic Control and Surveillance Systems.

Throughout his career, Ir Chiu has advanced interdisciplinary coordination, managing the implementation and interfaces of a wide range of specialised E&M as well as control and surveillance systems, while promoting equipment compliance and innovative technologies.



Ir Chiu has a wealth of experience in managing complex corporations and nurturing their growth. After graduating with a BSc in Electrical Engineering from the University of Hong Kong in 1964, he joined the General Electric Company (Hong Kong) Limited in 1980 and became its Managing Director in 1984. The company was later renamed as Marconi Communications Asia Limited in 1998, when he was appointed as President, Asia Pacific. Ir Chiu held this position until his retirement in 2001. In his current capacities as Chairman of the Paul Y Engineering Group Limited and GTECH Services (Hong Kong) Limited, Ir Chiu has been actively involved in the ongoing project of High Speed Rail to the Mainland.

Ir Chiu has a long and close association with the HKIE. He joined the Institution in 1975, and was elected as Chairman of the Electrical Division in 1982 and became the President of the HKIE in 1990. His major contributions to the Institution include the establishment of the Associate Members Committee, with representation in the Council and other boards and committees. As HKIE Past President, he has served as one of the HKIE Benevolent Fund's Trustees for over 21 years. He was also awarded the HKIE Honorary Fellow in March 2015.

Ir Chiu has been active in other industry and business organisations. He currently serves as Honorary Treasurer of the Hong Kong E&M Contractors' Association Limited, Director of BEAM Society, and Fellow of the Hong Kong Academy of Engineering Sciences. He is also the Past Chairman of the British Chamber of Commerce in Hong Kong (1992–1994), Past President of the Federation of Hong Kong Electrical and Mechanical Contractors (2001–2007), and Life President of the Hong Kong Federation of Electrical and Mechanical Contractors.

Ir Chiu was appointed as a Justice of the Peace in 1993 and made an OBE in 1994.





劉正光 教授、工程師
Ir Prof LAU Ching Kwong,
BSc, MSc, PhD, FHKIE, RPE, FHKIHT,
FHKEng, FICE, FIHT, FISTructE, MASCE

劉正光教授、工程師

劉正光教授、工程師是著名的橋樑工程師，在香港和中國內地多個大型項目中均擔當重要角色，包括舉世知名的青馬大橋。他不僅對香港工程界貢獻良多，多年來還在不同領域作出了重大貢獻，包括香港和內地註冊工程師的專業資格互相認可、建造業糾紛解決方法，以及中港之間的學術交流等。

劉教授祖籍廣東省台山市，他從小在廣州受教育，祖父早年遠渡重洋到美國打工，但二次大戰後失去聯絡。原本打算移居美國但不成功，劉教授初中畢業後隨父親定居香港，轉眼已有五十八年。

劉教授初到香港時英文程度低，只從數學科認識二十六個英文字母，故入讀中文中學接受母語教育。一九六零年中學會考畢業後考入香港工業專門學院（理工大學前身）修讀日間三年制結構工程文憑課程。畢業後，他加入費博顧問土木工程師事務所出任見習工程師，其間曾參與海運大廈和興利中心（後者幾年前已重建）等著名工程。他一邊工作，一邊修讀珠海書院的土木工程系兼讀制課程，於一九六五年獲台灣教育部頒發土木工程學士學位。



所出任見習工程師，其間曾參與海運大廈和興利中心（後者幾年前已重建）等著名工程。他一邊工作，一邊修讀珠海書院的土木工程系兼讀制課程，於一九六五年獲台灣教育部頒發土木工程學士學位。

一九九六年，劉教授加入工務局轄下的路政署，職位是助理工程師。三年後獲香港政府獎學金到英國薩里大學

攻讀，一九七零年獲橋樑工程碩士學位，回港後一直參與橋樑工程設計、建造及維修保養等工作，其中包括加士居道天橋、山道天橋、界限街天橋和公主道天橋擴建等項目。

香港在一九七零及一九八零年代經濟迅速發展，基礎建設及新機場項目相繼進行，劉教授時為青馬大橋總工程師，主持這項主跨一千三百七十七米的世界最長公路鐵道兩用懸索橋的建造。這項工程不但提升了香港工程師的專業水平，也提高了香港工程界在國際上的地位。青馬大橋現已成為香港的標誌，令香港人感到驕傲的建築物。其後，劉教授獲擢升為北大嶼山幹線工程管理處處長，同時負責三座世界級橋樑的建造，分別是青馬大橋、汲水門橋及汀九橋。劉教授還與同事一起研發一套安裝於這三座橋樑的世界領先級橋樑健康監測系統，效果卓越，深受世界橋樑專家稱讚。在建造大橋期間，劉教授不忘自我增值，利用工餘時間修讀清華大學的高級學位課程，並於一九九八年獲得工程博士學位。

在一九九九年主跨一千零一十八米的昂船洲大橋國際性橋樑設計比賽中，劉教授不但是評審委員會成員，更擔任技術評審委員會組長，成功選出外形美觀和實用的大橋方案。劉教授也曾參與擬建的青龍大橋評審工作，該橋主跨達一千四百一十八米。同年，劉教授獲茅以昇橋樑大獎，為中國橋樑工程師最高榮譽。

二零零零年，劉教授獲擢升為土木工程署署長兼礦務處處長，負責香港多項大型土木工程及土力工程，其中以香港迪士尼樂園為重點項目，以支持香港經濟發展。



劉教授於二零零二年年底退休。離開公務員隊伍後，劉教授全職出任香港工程師學會會長，期間香港爆發「沙士」疫症，劉教授領導會員成立「沙士」專責小組，憑著工程師專業知識改善醫院「沙士」病房的通氣系統及大廈屋宇排污水系統等設施，協助香港對抗「沙士」疫症，成效顯著。

其後，劉教授加入茂盛（中國）工程諮詢有限公司（現為艾奕康亞洲有限公司）任交通運輸執行董事，將香港工程專業帶入內地，參與的項目包括主跨一千零八十八米的蘇通大橋、上海跨長江崇明隧道、上海外灘隧道及正在施工的港珠澳大橋珠海段沉管隧道工程。

二零一四年，劉教授被選為中國鋼結構三十年傑出貢獻人物。

二零一五年底，劉教授成立正道顧問工程師事務所有限公司，透過該公司繼續為香港及內地工程界服務。



Ir Prof LAU Ching Kwong

Ir Prof Lau Ching Kwong is a renowned bridge engineer, who has played key roles in major projects in Hong Kong and Mainland China including the highly regarded Tsing Ma Bridge. His proactive contribution is not limited to the engineering industry in Hong Kong, over the years, he has contributed significantly in various areas including the mutual recognition of professional qualifications of registered engineers in Hong Kong and Mainland China, methods of dispute resolution in the construction industry, and academic exchanges between Hong Kong and Mainland China.

Prof Lau's family roots are in Taishan, Guangdong Province. He spent his childhood and finished junior high school in Guangzhou. His grandfather journeyed to the United States to make a living, with whom Prof Lau had lost contact after the Second World War. Unable to settle in the United States, Prof Lau moved to Hong Kong with his father, 58 years ago.

With poor English language proficiency, Prof Lau enrolled in a Chinese middle school where he learned in the mother tongue. After completing middle school in 1960, he was admitted to the Hong Kong Technical College (predecessor of the Hong Kong Polytechnic University) where he attended a three-year Diploma programme in Structural Engineering. After graduation, he joined SE Faber & Son, Consulting Civil Engineers, as a trainee engineer. Working there, he was involved in famous projects such as Ocean Terminal and Hennessy Centre (rebuilt several years ago). He also studied in the Department of Civil Engineering at Chu Hai College of Higher Education on a part-time basis, and in 1965 was awarded a BSc in Civil Engineering by Taiwan's Ministry of Education.

In 1966, Prof Lau joined the then Highways Department as Assistant Engineer. Three years later, he was awarded a government scholarship to pursue further studies at the University of Surrey, UK, where he received an MSc in Bridge Engineering in 1970. After returning to Hong Kong, he was involved in the design, construction, repair and maintenance of bridge projects, including the expansion of Gascoigne Road Flyover, Hill Road Flyover, Boundary Street Flyover and Princess Margaret Road Flyover.

With Hong Kong's rapid economic development in the 1970s and 1980s, infrastructure projects including the new airport project were launched in rapid succession. During that period, Prof Lau was the Chief Engineer for the construction of the Tsing Ma Bridge, the world's longest road-cum-rail suspension bridge with a main span of 1,377 metres. This project not only raised the professional standards of Hong Kong engineers but also enhanced the global status of Hong Kong's engineering industry. The Tsing Ma Bridge has become one of Hong Kong's landmarks, which Hong Kong people are all proud of. Prof Lau was promoted to Project Director/Lantau Fixed Crossing of Highways Department, simultaneously overseeing the construction of three world-class bridges: the Tsing Ma Bridge, Kap Shui Mun Bridge and Ting Kau Bridge. He also collaborated with colleagues in developing and installing an extensive bridge health monitoring system for the three bridges. This was highly acclaimed by bridge specialists worldwide. Amidst his busy bridge construction work, Prof Lau also found time for self-improvement by pursuing a higher degree at Tsinghua University, and earned a PhD in Engineering in 1998.

At the international design competition for Stonecutters Bridge (which has a main span of 1,018 metres) held in 1999, Prof Lau was a member of the Executive Panel and acted as Chairman of the Technical Evaluation Committee. The competition successfully procured bridge proposals that were both aesthetic and practical. Subsequently, Prof Lau was also involved in the work on evaluating the proposed Tsing Lung Bridge, with a main span of 1,418 metres. In the same year, Prof Lau received the Mao Yisheng Bridge Award, the most prestigious award to bridge engineers in China.



In 2000, Prof Lau was promoted to a dual role of Director of Civil Engineering and Commissioner of Mines. He became responsible for planning and implementing major civil engineering and geotechnical engineering projects in Hong Kong. These included Hong Kong Disneyland, one of the most important government projects undertaken to support Hong Kong's economic development.

In late 2002, Prof Lau retired from the civil service and began to work full-time as President of the HKIE. His presidency coincided with the period that Hong Kong was hit by the SARS epidemic, and Prof Lau led HKIE members in establishing an Ad-hoc Task Force on SARS Matters. By tapping engineers' professional expertise, the Task Force members investigated and improved facilities such as the ventilation systems in hospital SARS wards as well as building and residential drainage systems, to help Hong Kong combat SARS. Remarkable results were achieved.

Subsequently, Prof Lau joined Maunsell China Engineering Services Limited (now AECOM Asia Group) as the Executive Director/Transportation, thereby introducing Hong Kong's engineering expertise to Mainland China. Projects he has been involved in include Sutong Bridge (main span 1,088 metres), Cross-Yangtze River Chongming Tunnel in Shanghai, Shanghai Bund Tunnel, and the immersed tube tunnel at the Zhuhai section of the Hong Kong-Zhuhai-Macau Bridge, which is under construction.

In 2014, Prof Lau was honoured for 30 years' outstanding contribution to the China Steel Construction Industry (中國鋼結構三十年傑出貢獻人物).

In late 2015, Prof Lau established CWay Consultants, through which he continues serving the engineering industry in both Hong Kong and Mainland China.



盧偉國 議員、博士、工程師,
SBS, MH, JP
Ir Dr the Hon LO Wai Kwok,
SBS, MH, JP
BSc(Eng), MSc(Eng), MBA, EngD,
CEng, FHKIE, FHKEng, FIET, FIMechE,
R.P.E.

盧偉國議員、博士、工程師

盧偉國議員、博士、工程師自二零一二年十月起出任香港特別行政區立法會議員，代表工程界別。他是一位經驗豐富及精通科學的專才，並具有廣闊的社會觸角和視野，工程同業視他為解難者、創新先驅、社會領袖和持續發展社會構建者，是同業的典範。

盧博士是個著名的工業家，他善於把工程知識付諸實踐，從而提昇科技水平和品質。自二零零六年至二零一二年，他出任新加坡上市公司新進科技集團有限公司副主席兼董事總經理。該公司是亞洲區著名的電子科技集團，在珠三角、長三角、渤海和中國東北設有先進的製造網絡，為國際市場的領先企業提供設計和生產服務。

自一九八八年至二零零六年，盧博士曾任跨國科技集團騰訊科技亞太區總裁十八年，成功帶領該公司成為世界級通訊電源設計、製造及營銷中心，供應全球通訊和電腦網絡市場。盧博士帶領亞太區業務的收益迅速增長，並在管理和技術方面取得多項突破。他追求卓越的品質，成功領導公司於一九九一年首次獲得香港品質保證局頒發的ISO9001品質管理系統證書，並於一九九二年獲頒香港總督工業獎的品質大獎及生產力大獎，成為一九九零年代區內全面品質管理的先驅。

盧博士是區內製造業界推動優質工程實務的先鋒，足跡遍及中、港、台、美、歐、日、韓及星馬等地。早於一九八零年代初期，盧博士便開始在中國內地投資設廠，其中更包括一間當時被評為中國十大合資企業的合資公司。



自一九九七年至二零一一年，盧博士歷任區議員，以工程專業知識服務沙田區議會。他以往的公共服務還包括城市規劃委員會、環境諮詢委員會、可持續發展委員會、研究資助局、香港生產力促進局、香港工業總會和香港城市大學校董會等。

盧博士熱心服務社會，現任香港品質保證局主席、香港科技園公司董事、醫院管理局成員、西九文化區管理局成員及房屋委員會委員。他亦是香港檢測和認證局委員、香港經濟民生聯盟副主席和香港專業及資深行政人員協會會長等，另外亦是中國科學技術協會全國委員會委員。

自一九八二年成為香港工程師學會會員以來，盧博士為學會不同分部和委員會服務，從未間斷，此外，他還獲選二零零七/二零零八年度的學會會長。

盧博士深信作為一門應用科學，工程業界能以優質、奉獻和專業的核心價值，建設持續發展和健康的經濟架構。他是香港綠色策略聯盟的創會主席，促使聯盟成為推動平衡發展與保育的智庫。

盧博士持有英國華威大學工程學博士學位，並兼任多間大學的榮譽教席，他熱衷於向年青一代傳授其工程知識與經驗，不時義務講課。他亦是香港科技大學榮譽院士、英國華威大學工業院士、香港職業訓練局榮譽院士兼客座教授、香港公開大學榮譽教授、香港城市大學兼任教授。

一九九二年，盧博士獲頒「香港青年工業家獎」和獲選為「香港十大傑出青年」，並於一九九九年獲頒「香港千禧傑出工業工程師」獎。憑著傑出的社會服務，盧博士於二零零一年獲香港特別行政區政府頒發榮譽勳章，並於二零零四年七月獲委任為太平紳士，其後分別於二零零九年和二零一五年榮獲銅紫荊星章和銀紫荊星章。



Ir Dr the Hon LO Wai Kwok

Ir Dr the Hon Lo Wai-kwok, Legislator of the HKSAR representing the Engineering constituency since October 2012, is a vastly experienced, scientifically sophisticated professional and an all-seeing social visionary. He is a well-rounded role model, regarded by his fellow engineers as problem solver, innovator, community leader and builder of a sustainable society.

Dr Lo is a well-known industrialist, putting engineering knowledge into practice, achieving technology and quality excellence. From 2006 to 2012, he was Deputy Chairman and Managing Director of Singapore listed Surface Mount Technology (Holdings), a well-known Asian electronics technology group with an advanced manufacturing network in the Pearl River Delta, the Yangtze River Delta, the Bohai region, and North East China, providing design and manufacturing services to leading enterprises in the world market.

He was President of the Asia-Pacific division of reputable multinational Artesyn Technologies, Inc. for 18 years, from 1988 to 2006, and successfully turned it into a “world class” enterprise designing, manufacturing and marketing hi-tech power products to serve the global communications and computer network market. He rapidly expanded the Asian revenue, while achieving various managerial and technological breakthroughs. His search for quality excellence won his company the first ISO9001 certification issued by the Hong Kong Quality Assurance Agency (HKQAA) in 1991, both Productivity and Quality Awards in the 1992 Governor’s Award for Industry, and fame among regional TQM pioneers during the 1990s.



Dr Lo is a pioneer in promoting best engineering practices in the manufacturing industry in the region. His footprints cover Hong Kong, Mainland China, Taiwan, North America, Europe, Japan, Korea, Singapore, Malaysia and so forth. He started setting up factories in Mainland China in the 1980s, including a joint venture company that was rated among the top ten joint venture companies in China.

Dr Lo used his professional engineering knowledge to serve the Sha Tin District Council from 1997 to 2011. His past services also included the Town Planning Board, Advisory Council on the Environment, Council for Sustainable Development, Research Grant Council, Hong Kong Productive Council, Federation of Hong Kong Industries, and Council of the City University of Hong Kong.

Dr Lo is very active in the community and is currently Chairman of the HKQAA, a member of boards of directors of the Hong Kong Science and Technology Parks Corporation, Hospital Authority, West Kowloon Cultural District Authority, and Housing Authority. He is also a member of the Hong Kong Certification and Testing Council, Vice Chairman of the Business and Professionals for Hong Kong, and President of the Hong Kong Professionals and Senior Executives Association. He is a Committee Member of the China Association for Science and Technology.



Dr Lo has been serving the HKIE without a break since he was admitted as a full member in 1982, in various divisions, committees and boards. He was President of the HKIE in Session 2007/2008.

Dr Lo believes that as an applied science, engineering helps build a sustainable and healthy economic structure, based on core values of quality, dedication and professionalism. He is founding Chairman of the Hong Kong Green Strategy Alliance, which is now recognised as a think tank for promoting the correct balance of development and conservation.

Dr Lo holds an Engineering Doctorate degree of the University of Warwick. He is keen on transferring his engineering knowledge and experience to younger generations, and holds honorary professorships in several tertiary institutions. He is Honorary Fellow of the Hong Kong University of Science and Technology, Industrial Fellow of the University of Warwick, Honorary Fellow and Visiting Professor of the Hong Kong Vocational Training Council, Honorary Professor of the Open University of Hong Kong, and Adjunct Professor of CityU.

Dr Lo was awarded "Ten Outstanding Young Persons" and "Young Industrialist Awards of Hong Kong" in 1992, and "Hong Kong Outstanding Industrial Engineers Award for the Millennium" in 1999. His community services won him Medal of Honour awarded by the Chief Executive of the HKSAR Government in 2001. He was appointed as a Justice of the Peace in July 2004, and granted a Bronze Bauhinia Star in 2009 and a Silver Bauhinia Star in 2015.



鳴謝

我們衷心感謝各委員會的主席和全體成員以及名譽顧問，為香港工程界翹楚2015及出版此特刊付出寶貴時間及貢獻。

名譽顧問

陳志超工程師

香港工程師學會會長

籌備委員會暨特刊編輯覆核委員會主席

陳國璋工程師

香港工程師學會副會長

評審委員會

陳志超工程師

主席

戚偉強工程師

委員

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委員

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最後，此特刊的內容及照片承蒙所有香港工程界翹楚2015得獎者提供和允許刊登，我們謹此致謝。

ACKNOWLEDGEMENTS

We wish to acknowledge and thank the following contributors for their time, effort and immense contribution to the HKIE Hall of Fame 2015 programme and the production of this special publication.

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Last but not least, the material in this special publication is provided through the courtesy of all Inductees of the HKIE Hall of Fame 2015.

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項目經理： 周志豪

出版： 正傳媒有限公司

地址： 香港九龍土瓜灣浙江街四十一號
合誠商業大廈十九樓B座

Production: Edge Media Limited

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Project Manager: Simon CHOW Chi Ho

Publisher: Edge Media Limited

Address: Unit B, 19/F, Hop Shing Commercial Building,
41 Chi Kiang Street, Tokwawan, Kowloon, Hong Kong



Printed in Hong Kong





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