

會長報告

2022/2023年度



THE HONG KONG INSTITUTION OF ENGINEERS
香港工程師學會

香港工程師學會制定「專業維新路線圖」(路線圖)當時正值新冠肺炎肆虐。自路線圖發佈後，所推出的連串發展，證明了改革的重要性。香港多項大型工程上馬在即，根據學會於2022年4月發表的《關於擴充工程人才庫以應付可見需求研究報告》，其後在建造業議會於2023年2月公布的《建造業人力預測報告》中予以量化：預計到了約2027年，僅建造業欠缺的工程師總數就多達3,000名。與此同時，香港積極發展成創新及科技樞紐，社會對資訊科技及製造業的工程專才需求將更殷切。因此，改革以應變，勢所必然。

路線圖訂出「提升專業水平」為學會其中一項重點工作，工程專業今天得以鞏固，則明天賴以成功的關鍵。因此，學會將「積極求變－提升專業水平－We are Proud to be Engineers 以工程師為傲」定為2022/2023年度的主題。在

持續推動路線圖內各項計劃項目的同時，我們重點增加社會對學會的關注度，並提升工程師專業形象，吸引年輕人入行，以解行業傳承之急。

推廣專業 打造穩固未來

工程師短缺問題嚴重，吸引新人加入工程專業迫在眉睫。矚目的機場、四通八達的鐵路系統，標誌性基建如港珠澳大橋、以「無限」符號為設計靈感的將軍澳跨灣連接路等，都令香港成為世界艷羨的城市，這些令人嘖嘖驚嘆的工程，背後均有工程師的身影。隨著香港邁向另一個高速發展年代，城市建設對工程師的需求比以往更有着迫切性。學會現時擁有32,000會員，這力量正能為工程師建立正面形象，吸引年輕人投身工程專業。

去年贈予會員的「以工程師為傲」年度會章雖然細小，卻意義重大。「它」提醒被視為理所當然的工程建設，卻背負著工程師的貢獻；同時呼籲會員攜手努力，共建一個更堅實的工程專業、一個更美好的香港。

為了加深普羅大眾對我們的認識，學會舉辦了首屆「香港工程師週」。為達到更大的宣傳效果，我們還創作了激勵人心「Proud to be Engineers 傲程」主題曲並製作短片，同時設計了學會全新吉祥物－機械人「Hally河助理」及相關系列活動等。學會在3月推出了全新的短片系列「十載・工情」，訪問了約20位30至40歲的傑出工程師，當中包括多位憑傑出成就獲得國際獎項的得獎者，展示工程專業有無限發展空間。在2023年4月25日，我亦應香港都會大學「都大講堂」邀請，就「從小漁村到更綠色、智能、快樂大都會」為題演講。



● 「以工程師為傲」年度會章



● 應香港都會大學「都大講堂」邀請，以「從小漁村到更綠色、智能、快樂大都會」為題演講



● 短片系列「十載・工情」－會長師傳計劃年青工程師訪問岑浩璋教授、工程師



● 主題曲「傲程」宣傳片



●「香港工程師週2023」開幕典禮



●與高級副會長李志康博士、工程師(右)及學會全新吉祥物「Hally河助理」(中)於「香港工程師學會公眾展覽」上為「香港工程師週2023」揭幕

工程界的「元氣彈」— 首屆「香港工程師週」

在2023年3月，我們舉辦了首屆「香港工程師週」。學會為這項活動訂下雙重策略，期望透過活動提升學會形象及關注度，同時向公眾及持份者展現工程師的專業精神與多元技能。透過一系列吸睛的公眾活動，包括創科設計比賽、香港工程師學會大獎、公眾展覽、國際會議、單車及跑步籌款活動，以至在西九文化區舉行的嘉年華，我們彰顯了工程專業對社會的貢獻。這些活動不僅有助於加深大眾對工程專業的認識，吸引年輕人投身工程界，同時也表揚了那些對推動香港成為國際大都會作出努力的傑

出工程師。這與我們提出的「以工程師為傲」的主題相互呼應。

「香港工程師週2023」成功提升大眾、學術界、商界和政府對學會及工程專業的認識，並獲得各界的讚譽。在逾45個贊助機構和各政府政策局／部門的大力支持下，活動共吸引了超過20,000人參與，相等逾300萬港元的廣告值，並於各社交媒體網絡獲逾2,300萬次的曝光率。

在「香港工程師週2023」舉行期間，活動顧問協助創作不少相關的品牌資產，以提升形象，令活動更具活力。同時，學會全新的吉祥物—Hally河助理—亦在活動中正式登場。未來，學會將用

從舉辦「香港工程師週2023」獲取的經驗，在其成功的基礎上再接再厲，繼續深入社區。

積極與社群互動

學會致力於與持份者進行系統性的互動。鑑於媒體對工程專業的報導未必全然反映現實，因此我們特別為學會的執行委員會成員及發言人提供全面傳媒應對培訓，並舉辦了傳媒午餐聚會，分享學會的願景。此外，我們在過去一年內還接受了逾100次傳媒查詢或訪問，並發布了超過20份與工程相關的新聞稿。

學會積極發表我們的專業意見，供公眾參考討論，從而提升學會形象。學會除在《2022年施政報告》及《2023-24年度預算案》公布前，向政府遞交會員的意見外，還舉行了記者會，重點講解建議，此外，學會於2022年9月提交《有



●香港工程師學會大獎2023



●「香港工程師週嘉年華」假西九文化區海濱草坪舉行



●「香港工程師週2023」的壓軸活動—「香港工程師學會單車及跑步籌款活動」



● 為倫敦帝國學院研討會擔任主講



● 與數碼港簽署合作備忘錄

《關精簡建築工程和基建發展流程之建議》報告。為展現會員的潛能，學會正進行一系列可落實執行的研究，範圍涵蓋香港新工業化、如何善用新能源使香港成為零碳都市，以及審視中學課程等廣泛議題。另外，學會除了合辦「第二屆大灣區工程師論壇」外，學會亦與建造業議會聯手推動「看『建』未來，『築』及生活，香港建造業推廣計劃」。

除舉辦活動外，學會亦積極鼓勵會員參與公共事務，服務社會。今年，超過400名會員參加了學會論壇，與應邀出席的發展局、土木工程拓展署、規劃署，以及工程顧問討論交椅洲人工島計劃。學會亦連續第19年獲授「同心展關懷」標誌，並持續支持香港公益金的籌募活動。

少年深耕 發掘良才

學會非常重視培育新一代工程師，這是我們的首要任務，因此我們從他們的學習旅程中盡早開始。學會成立了專責小組，審視中學課程及大學入學要求，並提名了37位會員成為「共創明『Teen』計劃」的導師。此外，我們與教育局和國際工程與科技學會合作策劃了「工程伴理行」計劃，支援學校的STEAM教育，推動學界與工程師成為夥伴，共同設計與STEAM及工程學有關的教育活動。學會還曾於五所本地大學舉辦職業講座，接觸了約600位有潛質成為工程師的同學，並與學會的學生分部建立了更緊密的聯繫。我們相信透過多個中學聯繫點或教育機構接觸年青學生，對於成功吸引年輕一代投身工程專業是非常

重要的。此外，學會的人才發掘措施也延伸到海外。在2022年12月，我聯同高級副會長李志康博士、工程師前往倫敦，為100名倫敦帝國學院的學生舉辦職業講座。

數碼路上 持續向前

學會致力推行各項促進學會未來可持續發展的項目，其中數碼化是路線圖上的另一個重要項目。除了計劃於2024年初完成的學會網頁改版之外，學會在2022年9月推出了學生會籍網上申請系統，到目前為止已有1,100人使用該系統進行報名申請。此外，學會在2022年11月推出了首個評審員網上培訓課程，以網上學習平台為基礎，取代了傳統的面授模式，已經有130人參與了該課程。



● 「香港工程師週2023」中舉辦的「香港工程師學會國際會議」



● 於大學舉辦職業講座與學生交流



● 香港工程師學會第45屆週年晚宴



● 2022/2023年度會長就職演講及晚宴

加強會員支援

在專業發展方面，我們會持續精簡專業評估過程，並快將公布新的時間表，以提高學會的效率。另外，學會與數碼港簽訂了合作備忘錄，透過數碼港的創業計劃，獲學會推薦的會員可通過「快速通道」申請參與數碼港的創業計劃，實現創業夢想。

學會與中國工程師聯合體簽訂了會員資格互認協議，亦與英國能源學會、英國材料、礦物及採礦學會，以及英國燃氣專業學會續簽互認協議。這些協議確認學會會員在多個主要界別得到國際認可。

我們非常高興能夠恢復舉辦實體活動，這對於建立不同專業範疇會員間的聯繫非常重要。在2022年10月舉行的會長就職演說及晚宴中，超過600名人士出席了該活動。此外，學會第45屆周年晚宴也吸引了逾750位會員和嘉賓的參與，並且榮幸地邀請到香港特別行政區署理行政長官陳國基先生擔任主禮嘉賓。

疫症過後 重新出發

疫情三年終於過去，我們在英國分部的協助下，於2022年12月前往倫敦，親

身前往拜會各工程專業學會。自3月解除所有旅遊限制以來，學會共接待了七個來自中國內地及世界其他地區的代表團，並出訪南沙、廣州、北京等城市。2023年3月，我亦聯同港、澳及多個內地省份的專業學會會長，到北京參加培訓課程。

臨別寄語

雖然任內因疫情困難重重，會長任期亦因而縮短，但我仍為我們能在如此艱難的情況下，成功提高學會知名度和工程專業的形象感到自豪。在2022年底得悉將全面解除防疫限制時，我跟社會各界感到如釋重負。能隨意外遊、互相見面及親身參與聚會，大大加快我們執行「專業維新路線圖」的速度，特別

是成功在3月舉辦了「香港工程師週」。我也很高興周年大會將再次按慣例於6月舉行，會員及執事人員可親臨見證2023/2024年度會長就任。

我希望大家能繼續佩戴「以工程師為傲」年度會章，牢记並實踐「元氣彈」精神，即三種態度：不要抱持打工仔心態、協作及擁抱挑戰，享受挑戰。最重要的是，我提出的三個主題口號：

- 專業、用心為社會提供服務；
- 說好工程故事；及
- 培育後進，薪火相傳。

前路或許崎嶇，但只要齊心協力，以工程師作為問題解決師，為我們心繫的城市繼續努力，令她繼續發光發亮。

永遠以身為工程師為傲！

卜國明

會長
卜國明工程師



● 親訪英國機械工程師協會，與首席執行官Alice Bunn博士（前中）和高級業務發展經理Tom Owen先生（後左）交流



● 頒獎典禮暨新會員招待會

President's Report

Session 2022/2023



THE HONG KONG INSTITUTION OF ENGINEERS
香港工程師學會

We were already in the midst of the COVID-19 pandemic when the HKIE introduced its **TIME TO CHANGE Roadmap** (the Roadmap). Bold from the day it was published, events have since demonstrated the importance of its transformative agenda. Change is certainly necessary as Hong Kong is on the cusp of greenlighting many mega-projects that may result – as per our April 2022 report on “Research on Augmenting Engineer Manpower to Cope with the Foreseeable Surge in Demand” subsequently quantified, if indirectly, by the Construction Industry Council’s (CIC’s) “Manpower Forecast” in February 2023 – in a shortage of as many as 3,000 engineers by around 2027 in the construction sector alone. Meanwhile, Hong Kong’s emergence as a new innovation & technology (I&T) hub will further fuel the demand for engineers across many I&T and manufacturing disciplines.

Launched not a moment too soon, the Roadmap identified “Boosting Professionalism” as one of the most important focus areas for the HKIE. As it is key to our ability not only to thrive today, but also to succeed tomorrow, we have chosen “Commitment to Change – Boosting Professionalism – **We are Proud to be Engineers** 以工程師為傲” as the Presidential Theme for Session 2022/2023. While we continued to pursue the various initiatives set forth under the Roadmap, our main focus has been to

enhance the visibility of the Institution and improve the image of the profession as we sought to tackle what is without a doubt our most pressing challenge: **SUCCESSION.**

Promoting the profession is the foundation of our future

Given the looming shortage of engineers, attracting newcomers to the profession is as urgent as it is vital. Engineers have helped make Hong Kong a city that has become the envy of the world for its inspiring airport, comprehensive train system and iconic infrastructures like the Hong Kong-Zhuhai-Macao Bridge and the newly open Cross Bay Link – an eye-catching symbol of infinity. As our city is on the brink of entering a new high-growth era, engineers will be needed more than ever. It is therefore incumbent upon our more than 32,000 members – the best ambassadors for our profession and the Institution – to help enhance our image and inspire young people to become engineers.

The **“Proud to be Engineers” pin sent to our members last year may be small in size, but it carries a very BIG message:** more than a reminder that it is engineers who have built or manufactured what too many people take for granted, it is a call to action to work towards building a stronger profession and creating a better Hong Kong.

As part of our efforts to enhance our profile with the general public, especially the non-engineering community, we hosted the first edition of our **Hong Kong Engineers Week (HKEW)**. This marquee event was supplemented by a flurry of initiatives, including the production of our inspiring theme song **“Proud to be Engineers 傲程”** and the introduction of our new engineering mascot **“Hally 河助理”**, a robot. Meanwhile, we have launched a new video campaign **“Meet an Engineer’s Master Engineer 十載•工情”** in March. We will interview around 20 accomplished engineers in their 30s to 40s – including many recipients of international awards for their outstanding achievements – to showcase the limitless possibilities offered globally by engineering careers. On 25 April 2023, I also made a speech titled **“從小漁村到更綠色、智能、快樂大都會”** for Hong Kong Metropolitan University’s public lecture series **“Talk of the Metropolis”**.



● “Proud to be Engineers” Pin



● Holding talk titled **“從小漁村到更綠色、智能、快樂大都會”** for Hong Kong Metropolitan University



● **“Meet an Engineer’s Master Engineer”** – Ir Prof Anderson Shum with the President’s Protégé Miss Carmen Lam



● Theme Song **“Proud to be Engineers 傲程”**



● The Opening Ceremony of the Hong Kong Engineers Week 2023



● Kickstart of the Hong Kong Engineers Week 2023 at The HKIE Public Exhibition with Senior Vice President Ir Dr Barry Lee and the HKIE's brand-new mascot – "Hally 河助狸"

Inaugural Hong Kong Engineers Week – The "Spirit Bomb" of the engineering community

In March, we rolled out the first-ever HKEW as the flagship campaign of the Institution. This high-profile event adopted a two-pronged approach in its ambition to promote both the image and visibility of the HKIE as well as the professionalism and dynamic expertise of engineers to the public and other stakeholders in the engineering industry. Through a series of engaging public-facing events – including Innovation Competition, The HKIE Grand Award, Public Exhibition, International Conference, Fundraising Cycling and Run and a vibrant Carnival at West Kowloon Cultural District – the HKEW 2023 showcased the tremendous contributions of the engineering profession to society and helped foster better public understanding and interest in joining the engineering community. It also supported our internal objective of promoting the pride of being engineers by recognising the outstanding engineering achievements that have

transformed Hong Kong into a world class city.

The HKEW 2023 successfully raised the profile of the HKIE and the engineering profession amongst the general public, academia, corporations and the government and received numerous compliments, both internally and from external stakeholders. With over 45 corporate sponsors and the support of numerous government bureaux/ departments, the HKEW events attracted more than 20,000 people in total and we estimated that it generated an equivalent advertising value worth at least HK\$3 million in free publicity. It also generated over 23 million impressions across various social media networks.

During the HKEW 2023, the event consultant helped create numerous branding assets to elevate HKEW's brand image and to adopt a more energetic and vibrant tone in our public events. It was also during the HKEW 2023 that the HKIE's brand-new mascot – "Hally 河助狸" – made its formal debut.

In the future, the HKIE will leverage the success and experience of the HKEW 2023 to continue our community outreach.

Proactively engaging with the community

We dedicated a lot of efforts to systematically engage with the community. In light of the inaccurate portrayal of our profession often presented by certain news outlets, we provided formal media training for some of our executives and media spokespersons in addition to arranging a media luncheon to share the HKIE's vision. We also dealt with more than 100 media enquiries/interviews and issued more than 20 press releases on engineering-related topics.

The HKIE also strived to make our professional views heard in the public arena, both to contribute to the public discourse and to enhance our public image. In addition to delivering our members' views to the Administration in advance of the 2022 Policy Address and



● The HKIE Grand Award 2023



● Hong Kong Engineers Week Carnival in West Kowloon Cultural District



● The HKIE Fundraising Cycling and Run in the Hong Kong Engineers Week 2023



● The Imperial-College-London-Seminar



● Signing MOU with Cyberport

2023-24 Budget, a press conference was held to highlight some of these suggestions. The HKIE also submitted a report on streamlining building works and infrastructure development processes in September 2022. Committed to showcasing the potential of our members, the HKIE is conducting a series of actionable research projects covering topics like the new industrialisation of Hong Kong, how the energy of the future can help our city achieve carbon net-zero, a review of the secondary school curriculum, etc. We also co-hosted **“The Second Greater Bay Area Engineers Forum 第二屆大灣區工程師論壇”** and collaborated with the CIC on promoting **“Design for Future Build for Life’ Construction Hong Kong 看「建」未來 「築」及生活 香港建造業推廣計劃”**.

These formal interventions were accompanied by a deliberate strategy to encourage our members to partake in public affairs and community services. Thus, more than 400 members joined an HKIE Forum during which we invited the Development Bureau, the Civil Engineering and Development Department, the Planning Department and the project consultant to discuss the Kau Yi Chau Artificial Islands project. Meanwhile, the HKIE received the Caring Organisation Logo for the 19th consecutive year while continuing to hold special events to support the Community Chest.

Reaching young people where they are

Nurturing the next generation of engineers is a priority, and this begins by engaging with them early and often throughout their educational journey. In addition to setting up a Task Force to review the Secondary School Curriculum and University Entry Requirements, we nominated 37 members as mentors for the **“Strive and Rise Programme 共創明 Teen 計劃”**. The HKIE also worked with the Education Bureau and the Institution of Engineering and Technology to develop **“Engineers on Campus 工程伴理行”**, a STEAM Education School Support programme dedicated to nurturing partnerships between schools and engineers in order to co-design STEAM and engineering learning activities. We held career talks in 5 local universities, reaching about 600 students as potential engineers, and also developed closer ties via frequent dialogues with our Student Chapters. We believe that having multiple contact points from secondary schools, if not from educational institutions for even younger students, is critical to our success in persuading young people to consider an engineering career.



● The HKIE International Conference of the Hong Kong Engineers Week 2023

Our talent-trawling initiatives extended overseas as Senior Vice President Ir Dr Barry Lee and I travelled to London in December 2022 to deliver career talks to 100 students at Imperial College London.

Our digital drive is ongoing

On the digitalisation front – another key priority set forth in the Roadmap – we continued to move ahead with many initiatives aimed at future-proofing the HKIE. In addition to revamping our websites – a process scheduled to be completed by early 2024 – we introduced an **Online Application System** for Student Membership in September 2022, which has already been used by 1,100 applicants. Meanwhile, the HKIE Web-based Learning Platform introduced the first Web-based Assessor Training Programme in November 2022 which was used by 130 people in lieu of face-to-face training.



● Holding career talks at universities and reaching out to students



● The HKIE 45th Annual Dinner



● Presidential Address 2022/2023

More support to members

On the professional development side, we will continue to streamline the Professional Assessment Process and will soon announce a new timeframe as we work to enhance the efficiency of the HKIE. We also entered a Memorandum of Understanding (MOU) with Cyberport. By joining Cyberport's Entrepreneur Programmes, members can pursue their entrepreneurial dreams via a fast-track route upon the Institution's nomination.

As we concluded a Mutual Reciprocal Recognition Agreement with the Chinese Society of Engineers, our Reciprocal Recognition Agreements with the Energy Institute, the Institute of Materials, Minerals and Mining and the Institution of Gas Engineers and Managers were renewed, confirming that the quality of our members is recognised globally across key disciplines.

It was also with great pleasure that we were able to resume in-person events which are so important in developing relationships with fellow members across disciplines. Most notably, the Presidential Address and Dinner was attended by more than 600 people in October 2022 while the HKIE 45th Annual Dinner attracted more than 750 fellow members and guests including the Honourable Chan Kwok-ki, Acting Chief Executive of the Hong Kong Special Administrative Region, as the Principal Guest.

Reconnect with the world physically

After about three years of lockdown, we took opportunities to visit London, UK in December 2022 to re-establish

in-person contact with various professional engineering institutions with the support of our UK Chapter. Since the final lifting of the COVID-19 travelling restriction in March, we have received over 7 delegations from the Mainland and other parts of the world and we paid visits to Nansha, Guangzhou, Beijing, etc. In March 2023, I also joined a training programme in Beijing with fellow heads of many professional institutions in Hong Kong, Macau and various Mainland provinces.

A warm goodbye to all

While it is unfortunate that COVID-19 both plagued and shortened my tenure as President, I am proud of the work we have done to enhance the visibility of the Institution and improve the image of our profession in such challenging circumstances. Like you all, it was with great relief that I received the news that the COVID-19 prevention measures were finally lifted in late 2022. The freedom to travel, meet each other and attend in-person group gatherings significantly accelerated the execution of our TIME TO CHANGE agenda, especially the successful launch of the HKEW in March. I am also delighted that our AGM will once again be held in its usual June timeslot with our members and officers physically present to

welcome our new President for Session 2023/2024.

I also hope that you will continue to wear your "Proud to be Engineers" pin; remember and practise the "Spirit Bomb 元氣彈", the Three Attitudes (viz. No Workers Mentality 不要抱打工仔心態; collaboration 協作; and embracing and enjoying challenges 擁抱挑戰•享受挑戰), and most importantly my three theme slogans:

- Deliver our Services to Community Professionally with Heart and Diligence;
- Tell Good Engineering Stories; and
- Nurture our Talented Successors.

The road ahead may not be easy, but if we work together to solve problems the way only engineers can do, we can rest assured that the future of our beloved city will be even brighter than her shining past.

Always be Proud to be Engineers!

Ir Aaron BOK Kwok-ming
President



● Dr Alice Bunn (front middle) and Mr Tom Owen (back left), IMechE's CEO and Senior Business Development Manager respectively, with the delegation to the UK



● Prize Presentation Ceremony cum New Members' Reception