



## 會長報告 2023/2024年度

作為香港工程師學會會長的這一年，我深感榮幸能在前人努力建立的根基上，帶領學會繼續邁向「專業維新」的征途。要達到「專業維新」，須依賴學會每位成員的努力，因此我邀請會員共同響應「Be the Change·不一樣」的口號，鞏固自身專業，啟發同儕，推動創新，達至「知行合一成就專業」，攜手為從業者、工程界、乃至世界創造更美好未來。

然而，我們的責任不僅面向當代的工程師，確保工程專業未來得以傳承亦同樣重要。因此，學會致力吸引及培育下一代工程人才，務求建立一個蓬勃、充滿活力的工程師社群，為應對瞬息萬變的未來奠定堅實基礎。

學會致力推動工程專業可持續發展，其中一個例子，是籌辦香港工程師週2024。隨著香港工程師週進入第二屆，今年我們聚焦設計具吸引力的活動，目標除了吸引學會會員外，更希望吸引整個工程界及社會各界參與。香港工程師週2024成功吸引了來自香港及大灣區眾多參加者，促進了兩地工程專業人士及學生的協作和知識交流。

香港工程師週2024舉辦了一連串精彩活動，當中重點活動「香港工程師週嘉年華」，吸引逾46,000人次參與。該活動提供了一個互動平台，向公眾展示各項創新的工程成就，並推廣工程專業對社會的

寶貴貢獻。除此之外，其他精彩活動例如中學生「工程達人—你問我答」比賽、「我們的夢想城市」小學生設計比賽、「粵港澳大灣區高校創新工程邀請賽」、「大專院校巡迴招聘博覽」，以及「香港工程師學會大獎」等，皆圓滿舉行，標誌著香港工程師週2024的成功舉行。

香港工程師週2024獲得廣泛的支持和參與，不僅見證了工程專業的非凡成就，更成為啟發下一代工程人才的起點。在此，我們感受到年輕人熱情揚溢，充滿好奇心。



香港工程師週2024開幕儀式



香港工程師週嘉年華



市民在香港工程師週嘉年華上透過有趣的工程遊戲學習STEAM知識





香港工程師學會酒會@澳門



香港工程師學會酒會@廣州



粵港澳大灣區青年工程師交流酒會@北京



香港工程師學會酒會@曼徹斯特



香港工程師學會酒會@倫敦



香港工程師學會酒會@杜拜

## 對話交流 協作共贏

學會深明聯繫全球的重要性，因此我們抓緊每個能與世界各地工程專業團體合作和交流的機會。交流涵蓋多個不同課題，從全面了解工程專業多元面貌，以至應對迫在眉睫的氣候議題等，均收穫豐碩。我們組織了多個代表團，前赴世界各大城市訪問，包括澳門、廣州、北京、天津、曼徹斯特、倫敦、杜拜、溫哥華、多倫多、坎培拉及悉尼。

除了與專業夥伴的對話交流，代表團很榮幸有機會深入了解各地企業及不同標誌性工程項目，讓我們得以更全面認識各地的工程專業發展，借鏡自身。

此外，學會策略性地加強與大灣區年輕工程師的溝通和互動，我們訪問了不同內地城市，以促進團結和合作，並致力裝備年輕工程師，共同為國家的長遠及可持續發展作出貢獻。



學會今年另一項值得高度關注的活動，是參與在杜拜舉行的《聯合國氣候變化框架公約》締約方大會第28屆會議。我們認為，要對抗氣候變化帶來的嚴峻挑戰，有清晰定位，並裝備所需的知識和工具，是極為重要的。這次會議讓我們與阿聯酋建立新的聯繫，強化學會的網絡，並增進對當地市場架構的了解。



《聯合國氣候變化框架公約》締約方大會第28屆會議

為了擴闊年輕工程師的視野，啟發他們的潛能及裝備他們成為未來領袖，今年度由我領導的代表團強調給予年輕代表更多機會，讓他們主動參與，進行深入的對話交流。

我們積極從專業夥伴身上學習，不斷提升會員服務，力臻完善，並為會員開拓更多合適的機會，增加工程專業對年輕一代的吸引力。上述的國際性訪問，不但突顯學會在提升工程師專業的重要角色、擴闊香港工程師的發展機遇，更成為聯通本地、區域及國際工程標準的重要橋樑。透過不懈的努力，學會更堅定我們的承諾，在環球層面促進工程專業發展，和發揮影響力。

### 培育人才 與時並進

因應全球環境瞬息萬變，我們的下一代必須具備應對未來挑戰的能力，包括解難能力、創新，並對學習充滿好奇心。在過去十年，鑒於STEAM教育(科學、科技、工程、藝術及數學)對工程專業持續發



在小學舉辦工程師分享活動和工作坊，為下一代播下工程學科的種子

展十分重要，學會特別重視推動STEAM教育，我們將各項恆常的計劃整合起來，善用資源以增強協同效應，發揮最大的影響力。

在新整合的STEAM教育計劃中，學會與學校及業界持份者確立策略合作關係，訂立合作協議，目標是開拓教學機會、啟發年輕人對工程的興趣。學會在本年度繼續與香港特別行政區政府教育局和英國工程及科技學會香港分會合作，舉辦「中小學創新工程教育計劃」，計劃當中的「回母校」/「工程伴理飛」項目由學會負責，預期整個計劃可吸引超過120間中小學參加。



STEAM教育推廣計劃啟動儀式



「回母校」計劃



學生參觀全球知名工程顧問公司

香港與內地的融合日趨緊密，學會探索新的合作領域，當中包括中國工程教育專業認證協會主辦，由學會協辦的2023年世界工程教育大會。會上，學會分享香港工程業界吸引人才的措施和在工程教育方面的工作，為討論帶來不同視角。



學會與職業訓練局簽署合作備忘錄

工程師全心全意提供專業服務，學會亦致力緊貼最新科技及工程實踐的前沿，與時並進，與業界夥伴協作下，學會主動採取措施，協助會員申請與建築模擬信息(BIM)及環境影響評估相關的認證。

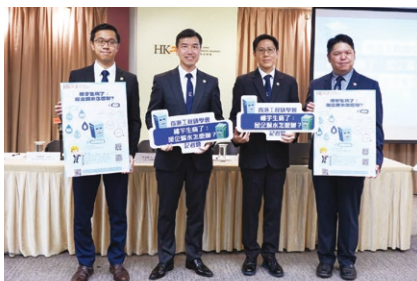
學會這種與時並進的動力，與工程師對知識的熱切追求相輔相成。我們將對知識的追求演化成備受歡迎及讚譽的會長論壇系列。透過一連串具啟發性的論壇，我們的會員及工程業界同仁得以發布嶄新概念和討論交流，為他們提供合適的渠道，釋放和實踐對工程專業的無限好奇和熱忱。

作為工程師，我們深切明白適時反應是解決問題的關鍵，因此學會對難以預料的突發事件作出迅速回應，從應對氣候變化、樓宇復修、建築安全，以至政府預算案等，學會就不同主題舉辦記者會，回應各項與社會、環境、科技相關等議題，提升了學會在工程業界的倡導地位。

透過上述的各項工作，學會展示了對年輕一代及會員專業成長的承擔和支持，讓他們有充足準備，迎接未來挑戰。學會的使命，是裝備會員，讓他們在各自的专业領域上站在領先的地位，並為未來培育人才，為香港建設一個富有韌性、充滿活力的工程專業。



「樓宇生病了：石屎剝落怎麼辦？」記者會



「樓宇生病了：屋企漏水怎麼辦？」記者會



「安全事故可以避免嗎？」記者會



「如何面對極端天氣的挑戰」網上專家答問會



針對連續極端天氣，再度舉辦「應對極端天氣善後工作建議」專家答問會



香港工程師學會回應《施政報告2023》記者會



## 拓展機遇 擴大認可 提升服務

為促進香港及世界各地工程領域的專業認可，學會積極尋求擴大與業內夥伴簽訂互認協議，冀促進市場開通、精簡評定程序，提供更便捷參與各地市場的途徑，而令業界受益。

除了維持現時與全球逾20個專業團體的資格互認協議外，學會亦與內地專業團體，如中國工程師聯合體及廣東省工程師學會建立新的聯繫，這些合作大大提升了會員在區域內工作的流動性，促進他們的專業發展，增加會員資格的認受性和為他們提供專業交流的機會。

工程領域的科技發展日新月異，我們必須洞察新科技的深遠影響力，並給予專業認可，其中一個例子就是核子科技。這新科技備受工程業界關注，對全球有重大影響。有見及此，學會特別成立核界別，期望吸引並吸納更多來自這專業界別的會員。透過為核工程專業人才提供平台，確保他們的獨特專業知識能在工程社群內得到應有的認可。

除了新興工程界別的專業人員，仲會員在學會中亦扮演重要角色。為了簡化仲會員的入會申請程序，促進包容性，學會訂立了新的入會途徑：所有申請均以書面遞交，以提升效率。這個舉措肯定了仲會員對學會的多元貢獻及專業技能，同時亦加強了學會的協作特質。

為確保會員能獲得合符期望的體驗，學會在觀塘啟用了一個全新現代化會址—「工程薈EngHub」。新會址位置方便，設計富格調時尚，並配備會議室設備，工程薈不僅提供場地給會員作專業活動，更體現學會促進會員共聚交流的願景。

學會積極為會員拓展機遇，提升服務，以應對工程專業瞬息萬變的環境。透過加強聯繫，加入新興工程界別，確保良好會員體驗，學會會繼續堅守推動工程專業發展及支援會員不同需求的承諾。



「工程薈EngHub」啟用典禮

## 同心攜手 實現願景

本屆任期結束在即，我特此衷心感謝各會員、持份者及合作夥伴一直以來的支持，尤其那些肩負起擔任「維新推動者」的會員，我們一同攜手開創一個又一個的非凡里程，讓學會的盛名得以進一步鞏固。

展望未來，學會將繼續堅定不移培育工程人才，提倡可持續實踐，加強本地、區域及全球合作。讓我們繼續秉持工程師的價值和操守，堅毅地勾畫工程專業的美妙風景，為我們珍視的社會作出貢獻；讓我們並肩同行，一起擁抱未來的挑戰與機遇，在工程專業留下印記，讓我們所愛的社會變得「不一樣」。

李志康

會長  
李志康博士、工程師



## President's Report Session 2023/2024

I am privileged to have had the opportunity to lead the HKIE as its President during this momentous period, where I can build upon the foundation laid by my esteemed predecessors and steer the transformative journey of “Change” that they initiated. “Change” is a collective endeavour that transcends the efforts of any one individual. Throughout my presidency, I have repeatedly invited each and every one of our esteemed members to embrace the call to “Be the Change.” It is through empowering ourselves, inspiring our peers, and fostering innovation that “We Engineer, We Serve,” and we collaboratively shape a brighter future for ourselves, our profession, and the world we live in.

Our responsibility, however, extends beyond the present generation of engineers we are addressing. It is equally crucial to ensure a sustained pipeline of future engineers. Therefore, we are deeply committed to making a tangible and positive impact that not only attracts but also nurtures the next generation of engineering talent. By doing so, we lay the foundation for a thriving and dynamic community of engineers that will unceasingly be the change in the years to come.

An exemplary demonstration of our unwavering commitment to the sustainable development of the engineering profession was the resounding success of Hong Kong Engineers Week (HKEW) 2024. As the event entered its second edition, our focus on inclusivity led us to design captivating activities that engaged not only our members but also the broader engineering and non-engineering communities. HKEW 2024 attracted participants from Hong Kong and the Greater Bay Area, fostering collaboration and facilitating knowledge exchange among professionals and students alike.

The array of activities showcased during HKEW 2024 included the highly anticipated Carnival, which witnessed an impressive turnout of over 46,000 visiting traffic. This vibrant Carnival served as a dynamic platform for fostering interaction, highlighting ground-breaking engineering achievements, and promoting the invaluable contributions of the profession to the wider public. Furthermore, other noteworthy events like student quiz contest and design competition, innovation project competition, career fairs, and the esteemed “HKIE Grand Award” further underscored the resounding success of HKEW 2024.

The extensive reach and substantial participation witnessed during HKEW 2024 not only celebrated the remarkable accomplishments of the engineering profession but also acted as a powerful source of inspiration for the next generation of engineering talent. Here, we saw passion ignited and curiosity nurtured.



Hong Kong Engineers Week 2024 – Kick-off ceremony



Hong Kong Engineers Week Carnival



Families learning about STEAM knowledge and enjoying fun engineering experiences at the HKEW Carnival





Cocktail Reception at Macau



Cocktail Reception at Guangzhou



Cocktail Reception at Beijing



Cocktail Reception at Manchester



Cocktail Reception at London



Cocktail Reception at Dubai

### Sparking collaborations through dialogue and exchange

Recognising the significance of global connectivity, we wholeheartedly embraced the abundant opportunities for exchange and collaboration with engineering professional organisations worldwide. These fruitful exchanges encompassed a wide spectrum of topics, ranging from a comprehensive understanding of the engineering profession's landscape to addressing pressing climate-related issues. With great enthusiasm, we organised delegations to prominent destinations such as Macau, Guangzhou, Beijing, Tianjin, Manchester, London, Dubai, Vancouver, Toronto, Canberra and Sydney.

Our engagements transcended mere dialogue with professional counterparts; our delegations were honoured to delve into enterprises and iconic engineering projects in each location. These immersive experiences provided us with a panoramic perspective on the evolution of the engineering profession in these areas, enabling us to critically assess our own endeavours.

Notably, our visits to various Chinese cities were strategically focused on strengthening communication and fostering interaction among young engineers in the Greater Bay Area. By cultivating unity and collaboration, we sought to empower them to make meaningful contributions toward the long-term and sustainable development of our nation.



Another highly noteworthy event within this category was the HKIE's participation in the 28th Conference of the Parties to the United Nations Framework Convention on Climate Change, which took place in Dubai. In the face of the critical challenges posed by climate change, it is imperative that we position and equip ourselves with the necessary knowledge and tools to rise to these challenges. Moreover, this visit also afforded us the opportunity to establish new connections within the UAE, strengthening our network and understanding of the local market structure.



**The 28th Conference of the Parties to the United Nations Framework Convention on Climate Change**

Significantly, the delegations led by myself this year placed a strong emphasis on providing exceptional opportunities for our younger delegates to take initiatives and engage in profound dialogues. Our goal was to broaden their vision, nurture their potential, and prepare them to assume leadership roles in the future.

By actively learning from our esteemed counterparts, we continuously enhance our services for our valued members, identify more suitable opportunities, and make our profession increasingly attractive to the next generation of aspiring engineers. These international visits serve as a platform for the HKIE to demonstrate its pivotal role in elevating the professionalism of engineers, expanding opportunities for Hong Kong engineers, and acting as a bridge that connects local, regional, and international engineering standards. Through dedicated endeavours like these, we reaffirm our unwavering commitment to advancing the engineering profession and ensuring its enduring relevance on a global scale.

### Nurturing future-oriented talents and keeping up with the times

In response to the evolving global landscape, it is imperative that our next generation possesses a skillset that is future-oriented,



**Held sharing session and workshop at primary school to spark young talent at their early stage of education**

emphasising problem-solving, innovation, and a deep-rooted curiosity for learning. For nearly a decade, we have placed significant emphasis on STEAM (Science, Technology, Engineering, Arts, and Mathematics) education, envisioning its pivotal role in ensuring the sustainable growth of the engineering profession. To maximise its impact, we have consolidated our ongoing but fragmented promotional efforts, fostering better synergy and resource allocation.

The consolidated STEAM programme has forged strategic partnerships with schools and industry stakeholders, establishing cooperative agreements that aimed at enriching educational opportunities and igniting a passion for engineering among the youth. This year, we continued our collaboration with the Education Bureau (EDB) of the HKSAR and The Institution of Engineering and Technology Hong Kong (IET Hong Kong) on the "Innovative Engineering Education Programme for Primary and Secondary Schools". Under this initiative, we oversaw the implementation of the "Back To School"/"Fly High Engineering" programme. With the collaborative partnership, this initiative is expected to engage over 120 schools by the end of the programme's duration.



**Launching Ceremony of the Consolidated STEAM Promotion Scheme**



**"Back To School" programme**



**Students visiting an international engineering consultancy**



Recognising the increasing integration between Hong Kong and the Mainland, we ventured into new territory by co-organising the International Engineering Education Symposium 2023, hosted by the China Engineering Education Accreditation Association. During this event, we had the opportunity to introduce approaches for the Hong Kong industry to attract new talents, contributing a diverse perspective to the regional discourse on engineering education.



**HKIE and VTC MOU Signing Ceremony**

As engineers dedicated to our profession, we constantly strive to remain up-to-date with the latest technologies and engineering practices. In collaboration with our industry partners, the HKIE has taken proactive steps to facilitate our members in applying for certification related to Building Information Modelling (BIM) and environmental impact assessment.

This drive to stay current is in line with engineers' deep-seated desire to understand, with which we are in deep sympathy. Our unfaltering dedication to knowledge and its transference has morphed into the widely acclaimed and attended President Forum Series. By presenting ideas and facilitating their exchange in one intellectually stimulating forum after another, we have provided an appropriate channel for the boundless inquisitiveness of our members and the infectious enthusiasm of our engineering cognoscenti to find their mutual release and fulfilment.

As engineers who distinctly discern the pivotal role played by timely response in effective problem-solving, we have reacted promptly to the often unforeseen and disruptive circumstances whose developments typically unfold moment by moment. From climate resilience and building maintenance to construction safety and government budget, our variously themed press conferences have pointedly addressed issues of inestimable social, environmental, and technological relevance, augmenting the HKIE's prestige as a thought leader in the engineering vista.

Through these concerted efforts, we demonstrate our commitment to support both our younger generation and our member's professional growth, ensuring their readiness to navigate the challenges of the future. Our mission to empower our members to remain at the forefront of their profession and nurture talent for the future remain unwavering as we pave the way for a resilient and dynamic engineering profession in Hong Kong.



**Press conference on "The building is sick: what to do with falling concrete?"**



**Press conference on water seepage**



**Press conference on "Can Accidents be Avoided?"**



**Expert Q&A Session on persistent rainfall and flooding available in online form**



**Followed up session on extreme weather with a theme of "Recommendations for relief work following extreme weather" attended by engineering experts**



**Press conference responding to the 2023 Policy Address**

## Expanding opportunities, strengthening recognition, and enhancing services

To promote trade in services within the engineering sector of Hong Kong and other regions worldwide, the HKIE has been actively pursuing the expansion of mutual recognition agreements with esteemed counterparts. These efforts aim to facilitate market access, streamline conformity assessment processes, and ultimately benefit the industry by providing easier pathways for engagement.

In addition to maintaining the existing portfolio of reciprocal recognition agreements with over 20 professional bodies globally, we have forged new connections with Mainland counterparts, such as the Chinese Society of Engineers and Guangdong Institution of Engineers. These collaborations have significantly enhanced mobility for our members across regions, fostering professional growth, wider recognition of the HKIE membership and opportunities for professional exchange.

As the field of engineering continues to witness the emergence of new technologies, it is crucial that we address their profound impact by granting them formal recognition. A notable example is nuclear technology, which has gained traction among engineers and carries significant global implications. In response, we have established the Nuclear Discipline, with the aim of attracting and accommodating more members from this specialised area. By providing a dedicated platform for nuclear engineering professionals, we ensure their unique expertise receives the recognition it deserves within our professional community.

In addition to professionals from emerging niche areas, Associate Members play an important role in the HKIE's membership. To streamline the application process and facilitate inclusion, a new admission route has been established. All applications across all routes are assessed solely through paper submission, resulting in enhanced efficiency and accessibility. This initiative acknowledges the diverse contributions and expertise that Associate Members bring to our organisation, reinforcing the collaborative nature of our professional community.

To ensure that HKIE members as such enjoy an optimised experience commensurate with their justified expectations, we have inaugurated a new, modernised centre styled the "EngHub (工程薈)" in Kwun Tong. Conveniently situated, stylishly furnished, and with a full set of conference room equipment, the centre transcends its surface function as a venue for professional activities to embody our idealised vision for communal experience.

We actively expand opportunities for our members, enhance services to them, and adapt to the evolving landscape of the engineering profession. By strengthening connections, embracing emerging disciplines, and ensuring a seamless membership experience, we uphold our commitment to advancing the engineering profession and supporting the diverse needs of our members in their pursuits.



Opening of the new HKIE facility, the "EngHub (工程薈)"

## A shared vision

As we bring this Session to a close, I would like to express my sincere gratitude to our esteemed members, stakeholders, and partners for their unwavering support. I extend special appreciation to those who have exemplified themselves as "Change makers". We have achieved remarkable milestones and further solidified the reputation of the HKIE.

Gazing towards the horizon of the future, our commitment to the continuous development of engineering talent, advocacy for sustainable practices, and the strengthening of collaborations locally, regionally, and globally remains resolute. Let us embrace the enduring values and virtues that have always defined us as engineers, and indomitably shape the engineering landscape and contribute to the betterment of our cherished society. Together, we shall march forward, embracing the challenges and opportunities that lie ahead, as we leave an indelible impact on the engineering profession and make a positive difference in our beloved society.

Ir Dr Barry LEE Chi-hong  
President