



## 秘書長報告 2023/2024年度

本人非常榮幸接任香港工程師學會秘書長一職，肩負推動學會繼續邁步向前、為工程專業提供更臻完善服務的重責。在學會歷屆及現任領導成功建立的基礎上，本人謹以至誠熱忱，推動改革與創新。我深信，只要學會同仁釋放潛能，在大家共同努力下，我們不但可繼往，更可開來，為學會揭開嶄新篇章，再創新高。

工程界的發展，正站在歷史的重要轉折點，新的挑戰可說是紛至沓來，現今工程師的責任已超越專業技術層面，因此，我們必須擁有創造可持續發展方案、促進創新、為社會構建更美好未來的使命感和責任感。

我們現正面臨的主要挑戰之一，是各工程專業將與香港許多行業一樣，面對人手短缺的問題。在未來數年，這情況將不僅限於已知的建造業，更會影響到如環境工程和資訊科技等對高技術專業人才大量需求的領域。目前，香港正朝著成為立足亞洲的國際創科中心的目標邁進，能否儘快及有效地解決人力資源問題至為關鍵。

學會一直致力協助各業界持份者，尤其我們的會員，在各自的專業領域上取得成績。在過去一年，我們對外與不同業界夥伴建立新的合作關係，同時亦致力培育新一代工程師，為他們提供更多學習機會，裝備解難能力，讓他們能利用香港的獨特優勢及生態系統，做好香港「超級聯繫人」的角色。

### 用心聆聽 坐言起行

我們的工作以持份者為中心，事事以他們為先，為他們創造價值、增加行業韌性，讓他們能擔起責任，為社會締造積極正面影響。

為加強溝通，營造開放的交流環境，我們在2023年10月至2024年5月期間，為學會管理層與會員提供一個互動平台，每月聚首一堂，暢所欲言，分享想法，聽取會員建議，幫助解決會員關注的問題，這種互動為學會制訂措施和策略起了重大作用。

學會致力提升會員體驗。在2021/2022財政年度，我們為學生會員、初級會員、聯系會員及附屬會員引入了電子會員卡。有感於此項服務備受會員歡迎，我們於2024/2025財政年度，將電子會員卡的使用擴展至資深會員、正會員和仲會員。會員可以在學會網站的會員登錄區查閱其電子會員卡，快捷輕鬆。當然，我們也會繼續為資深會員、正會員和仲會員提供實體會員卡的選擇，方便工地出入及身份識別。

我們亦致力為會員提供良好的互動環境以提高行業凝聚力。2023年7月，位於觀塘的新會址「EngHub工程薈」隆重揭幕，令我們深感自豪。新會址的名稱由會員投票選出，名稱充份反映會員對這新設施的共同寄望。該設施佔地約2,000平方呎，學會分部、界別和委員會都可在此舉辦活動，進行交流。特此衷心感謝所有會員和各贊助商對建立這新設施的鼎力支持。

## 深耕細作 培育人才

今年，學會歡迎超過3,012名新會員加入我們的大家庭，亦繼續堅持培育未來工程師、推廣工程專業的初心。為此，我們在2023年10月至2024年5月期間，多次參與了在內地、英國、加拿大和澳洲多所大學舉辦的職業博覽會，更與發展局及業界攜手合作，介紹香港工程師的專業資格和專業精神。我們亦訪問了內地主要城市的13所高校，以及英國、加拿大和澳洲三地各兩所大學，力求吸引更多工程專才來港，以克服工程界人才短缺的挑戰。



清華大學招聘會

學會長期深耕，向在校學生推廣工程專業。隨着STEAM教育的需求不斷增加，我們特別與各不同院校加強合作，增強對學生的相關培養。我們亦與教育局和工程及科技學會香港分會合作，學會的「回母校計劃」/「工程伴理飛」項目，成為「中小學創新工程教育計劃」活動的重要構成部分。項目共獲得123間學校確認參與，學會支持了其中超過半數學校的活動落地。項目獲得如此熱烈的反應，我們深受鼓舞。

學會積極拓展專業合作網絡，分別與六間領先企業簽署合作約章，以促進知識共享、人才培育和推廣工程專業持續追求卓越的理念；我們亦與香港仔工業學校和秀茂坪天主教小學簽署合作約章，共同推動STEAM教育，激發年輕學子對工程領域的興趣；在第三屆大灣區工程師論壇上，學會與五間廣東省工程學會簽署了附屬協議，推動土木、控制、自動化與儀器儀表、電機和岩土界別的會員資格互認。



與發展局於利茲大學和華威大學舉辦職業博覽會



與六間領先企業簽署合作約章



澳洲訪問團拜訪西悉尼大學



於第三屆大灣區工程師論壇上簽署附屬協議

## 加強合作 博採眾長

學會對外建立合作的腳步不停，與香港工業總會和香港高等教育科技學院簽署了合作備忘錄，為各方知識交流、政策宣傳、專業發展、行業推廣和其他共識的促成創造更大的合作平台，進一步鞏固工程生態圈。

他山之石，可以攻玉。學會積極與內地院校合作，當中包括2023港滬科技合作研討會、2023世界工程教育大會、2024內地與香港建築

論壇、城市交通之創新科技研討會，以及2023國際電機工程理事會會議等，讓優秀同行分享真知灼見，促進兩地知識交流，提升專業水平。此外，在內地及香港特區政府、廣東省科學技術協會的指導及廣東省工程師學會的大力協助下，我們的會員現已能夠以更便捷的方式申請內地的職稱，更容易進入內地市場。而在第三屆大灣區工程師論壇上，粵港澳大灣區工程師聯合體正式成立，代表了粵港澳大灣區的工程組織和專業團體凝聚力量、合作交流、推動工程實踐達至新高度。



與香港工業總會簽署合作備忘錄



與香港高等教育科技學院簽署合作備忘錄



2023年港滬科技合作研討會



薛秘書長參與2024內地與香港建築論壇的專題討論



第三屆大灣區工程師論壇



粵港澳大灣區工程師聯合體成立

作為法定的專業團體，與國際夥伴保持緊密聯繫極為重要。過去一年，我們的代表團出訪澳洲、加拿大、杜拜和英國，為彼此帶來寶貴的交流機會，拓闊了相互的專業視野。此外，2024年2月至3月期間，悉尼協議的專家小組觀察了我們對香港專業教育學院及深圳職業技術大學的認證實地訪問；專家小組亦仔細觀察了學會高級文憑課程評審事務委員會於2024年5月的決策會議。最終，學會順利完成了六年一次的定期審查，確保學會的學術評審水平持續與國際標準保持一致。



香港工程師週2024嘉年華



粵港澳大灣區高校創新工程邀請賽

## 堅韌持守 未來可期

過去一年，學會用心耕耘，碩果纍纍。在工程業界面對重重挑戰下，我們堅持不懈，努力在香港發展中發揮重要角色，提升專業工程師的社會形象與認可。

展望將來，我們深信，協力同心必能克服前面阻礙，壯大學會，同時構建一個更可持續發展的社會。在此，我由衷感謝各會員、持份者和合作夥伴對學會的貢獻，以及在我接任秘書長這一年來的支持。讓我們一同堅韌持守，並肩前行，擁抱創新，將挑戰一一化為機遇！

秘書長  
薛永恒教授、工程師



# Chief Executive and Secretary's Report Session 2023/2024

I am honoured to assume the role of Chief Executive and Secretary of the HKIE, entrusted with the responsibility of advancing the Institution and serving the engineering profession. I fervently embrace the endeavour to drive transformative initiatives that build upon the achievements of past and present leaders. This commitment is rooted in my belief that we possess untapped capacities to exceed present achievements and elevate our collective performance to unprecedented heights.

The engineering industry is standing at a critical juncture in its development, grappling with pressing challenges. Engineers are now tasked with responsibilities that extend beyond technical expertise. We must create sustainable solutions, foster innovation, and shape the future of our society.

One of the key challenges we face is the projected shortage of engineers across various sectors. For the years ahead, the entire engineering profession will be suffering from manpower shortage, an issue common to many other industries in Hong Kong as well. This shortage is not limited to the construction sector but also affects fields such as environmental engineering and information technology, where the demand for skilled professionals will be equally significant. Successfully addressing this problem will determine our ability to meet the demands emerging from Hong Kong's growth as an international innovation and technology hub in Asia.

The HKIE has committed itself to assisting industry stakeholders, particularly our esteemed members, in making advancements in these crucial areas. Over the past year, we have fostered new collaborations and provided educational opportunities to cultivate a new generation of engineers capable of tackling complex problems and leveraging Hong Kong's unique strengths, ecosystem, and role as a connector.

## We Listen, We Act

Our actions are stakeholder centric. It is by prioritising stakeholders that we create value, build resilience, and responsibly deliver positive impacts to our communities.

To enhance communication and create a welcoming environment for open discussions, we organised a series of interactive gatherings with members. These monthly meetings, held from October 2023 to May 2024, provided a platform for HKIE Officers and members to come together, express their thoughts and ideas, offer valuable suggestions, and address member concerns. This engagement has been instrumental in shaping our initiatives and strategies.

In our efforts to enhance membership experience, we introduced electronic membership cards (e-membership cards) for Student Members, Graduate Members, Companions, and Affiliates in Financial Year 2021/2022. Building on the success of this service, we extended it to Fellows, Members, and Associate Members from Financial Year 2024/2025 onwards. Members can conveniently access their e-membership cards online through the Member Login Area on the HKIE website. Meanwhile, we provide Fellows, Members, and Associate Members with the option of receiving physical membership cards for use on construction sites, enabling easy access and identification.

In our commitment to providing our members with an environment that encourages interactions with engineering stakeholders and fosters cohesiveness within the industry, we proudly inaugurated a new facility called "EngHub 工程薈" in Kwun Tong in July 2023. Its name was chosen through member voting, ensuring its resonance with our community. Spanning approximately 2,000 square feet, this facility serves as a space for Divisions, Disciplines, and Committees to engage members and organise activities. We extend our gratitude to our members and sponsors for their invaluable support in the establishment of this facility.

## Addressing the Skills Gap

While we welcomed over 3,012 newly admitted members to the Institution this year, we continue to focus on nurturing the future generation of engineers and promoting the engineering profession. As part of this effort, we participated in career fairs at universities in the Mainland, the UK, Canada, and Australia from October 2023 to May 2024, collaborating in many instances with the Development Bureau and the industry to introduce our professional qualifications and advocate our spirit of professionalism. We visited 13 universities in major Mainland cities and two universities each in the UK, Canada, and Australia, aiming to recruit talented individuals and address the shortage of professionals in the industry.



**Career fair at Tsinghua University**

The HKIE has a long-standing commitment to promoting engineering in local schools. Triggered by the growing demand for STEAM education, we consolidated and intensified our efforts to engage students, specifically targeting various educational institutions. Through collaboration with the Education Bureau and The Institution of Engineering and Technology Hong Kong, we have been overseeing the “Back to School”/“Fly High Engineering” sub-programmes as part of the comprehensive “Innovative Engineering Education Programme for Primary and Secondary Schools.” We are encouraged by the overwhelming response, with 123 schools confirming their participation, and the HKIE supporting more than half of these schools.

Further strengthening our commitment to fostering collaboration, the HKIE has entered into Charter of Co-operation agreements with six leading corporations, aiming to facilitate knowledge sharing, talent nurturing, and the promotion of sustained excellence in the engineering profession. We have also signed Charter of Co-operation agreements with two schools, namely Aberdeen Technical School and Sau Mau Ping Catholic Primary School, to promote STEAM education and inspire young minds in the field of engineering. Subsidiary agreements were also signed with five engineering institutions in Guangdong at the Third Greater Bay Area Forum to foster mutual recognition of membership qualifications in Civil, Control, Automation and Instrumentation, Electrical and Geotechnical Disciplines.



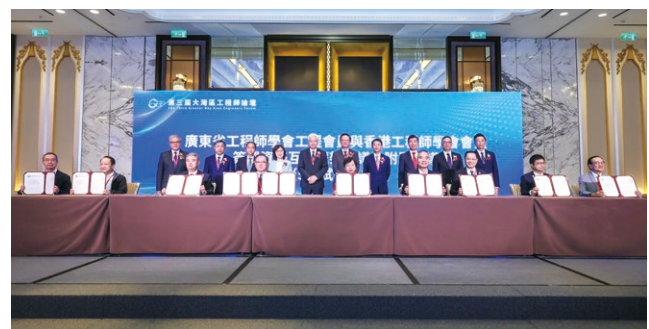
**Career talks in the University of Leeds and University of Warwick with the Development Bureau**



**Signing ceremony of co-operation agreements with six leading corporations**



**Visit to Western Sydney University during the Australia Visit**



**Signing subsidiary agreements at the Third Greater Bay Area Engineers Forum**

## Strengthening Partnerships

In line with our efforts to establish meaningful partnerships, the HKIE has signed Memoranda of Understanding with the Federation of Hong Kong Industries and the Technological and Higher Education Institute of Hong Kong, creating further platforms for knowledge exchange, policy advocacy, professional development, industry promotion, and other areas of mutual interest, further strengthening the engineering ecosystem.

In addition to our local endeavours, the HKIE has actively fostered collaborations with institutions in the Mainland, aiming to facilitate the exchange of knowledge and elevate professional standards. Noteworthy events such as the Hong Kong and Shanghai Symposium on Science and Technology 2023, International Engineering Education Symposium 2023, the Mainland and Hong Kong Construction Forum

2024, the Innovative Technologies in Urban Transportation Seminar, and the International Council on Electrical Engineering Conference 2023 have provided invaluable platforms for participants to share insights into emerging trends. Through collaborative initiatives with the Mainland and the HKSAR governments, the Guangdong Association for Science and Technology, and The Guangdong Institution of Engineers, our members have gained eligibility to apply smoothly for professional titles (職稱) in the Mainland, facilitating enhanced access to the Mainland market. The official establishment of The GBA Federation of Engineering Organisations (粵港澳大灣區工程師聯合體) at the Third Greater Bay Area Engineers Forum has united engineering organisations and coalesced professional communities within the Guangdong-Hong Kong-Macao Greater Bay Area. These gatherings of forces have contributed to the free flow of expertise, nurturing the advancement of engineering practices.



Signing Memoranda of Understanding with the Federation of Hong Kong Industries



Signing Memoranda of Understanding with Technological and Higher Education Institute of Hong Kong



Hong Kong and Shanghai Symposium on Science and Technology 2023



Joining the panel discussion at the Mainland and Hong Kong Construction Forum 2024



Third Greater Bay Area Engineers Forum



Establishment of The GBA Federation of Engineering Organisations (粵港澳大灣區工程師聯合體)

As a recognised qualifying body, it is imperative that we maintain consistent engagement with our international counterparts. Our delegations to Australia, Canada, Dubai, and the UK, scattered over the year, have each in their own way served as a rich repository of exchange opportunities, broadening our professional perspective. From February to March 2024, moreover, a Sydney Accord review panel observed our accreditation visit to the Hong Kong Institute of Vocational Education, including its delivery sites such as Shenzhen Polytechnic University. The panel meticulously observed the decision meeting of the HKIE Accreditation Committee for Higher Diploma Programmes in May 2024, successfully completing the once-every-six-year periodic review. Such review ensures that the accreditation of the Institution aligns with global standards.



**The Hong Kong Engineers Week 2024 Carnival**



**Guangdong-Hong Kong-Macao Greater Bay Area Tertiary Institution Innovation Project Invitational Competition**

## Keeping Up the Effort

The past year has witnessed remarkable achievements and significant progress for the HKIE. We remain steadfast in our commitment to advancing the roles and recognition of engineers in Hong Kong's development while addressing the challenges that confront our profession.

As we look to the future, we are confident that, by working together, we can overcome the obstacles that lie ahead, fortifying our Institution and fostering a more sustainable society. I wholeheartedly express my gratitude to our members, stakeholders, and partners for both their unwavering dedication to the Institution and reassuring support for myself in my inaugural year as Chief Executive and Secretary. Let's forge ahead together, embracing innovation, and transforming challenges into opportunities.

**Ir Prof Alfred SIT Wing-hang**  
Chief Executive and Secretary