秘書長報告
2019/2020

追求知識是我們前進的動力。在任何行業，憑藉業內專業知識足以讓我們取得卓越成就。然而，在瞬息萬變的數碼時代，我們更須不斷裝備自己，探求自己所未知未聞的新知識，迎接新挑戰。

科技的進步使我們的工作環境及學習方式發生革命性的改變。新興事物層出不窮，日漸超出我們的認知範疇。隨著創新步伐加快，為迎合數碼時代的新要求，實現「教澤廣被　源遠流長」的願景成為重要且迫切的任務。我們現在未雨綢繆，日後必能緊握全球加速數碼化所帶來的機遇。

受到持續的社會事件及新型冠狀病毒疫情的影響，學會本年度面對前所未有的挑戰；但我欣然地向大家匯報，我們成功實現了大部分的年度目標。

本年度伊始，學會與區內其他專業機構合辦了兩場重要會議。二零一九年七月二日至六日，學會與中國電機工程學會、日本電氣學會(Institute of Electrical Engineers of Japan)及韓國電氣學會(Korean Institute of Electrical Engineers)聯合主辦了「2019年電機工程國際會議」。會議的主題講者包括二零一六年諾貝爾化學獎得主Fraser Stoddart爵士，吸引共四百多名國際代表參加，他們就「面向智能的電機工程」的主題發表了二百五十四篇論文。二零一九年九月二十七日至二十八日，學會與上海市科學技術協會於香港聯合舉辦「港滬科技合作研討會」。會議主題為「建設世界級城市群 — 科技工作者的機遇及挑戰」。研討會為港滬兩地專家就人工智能、人機交互及智能城市管理等議題提供了交流技術知識的平台。

當工程師為解決問題尋找新方法時，或會需要工程專業以外的知識。二零一九年十一月，學會加入聯合調解專線辦事處(調解專線)。該辦事處為一所非牟利機構，旨在推動調解成為解決爭議的方式之一。學會加入調解專線後，將為會員提供更多機會，豐富其調解知識及經驗，並為香港工程師學會調解員開闢新的專業發展範疇。

知識轉移的重點在於培育年輕一代。為此，學會的「學校大使計劃」成為當中重要的渠道，透過學校大使到訪各中學及大專院校，與學生互動，期望藉此成就未來的工程師。在本年度，該計劃更伸延至小學，以「工程師是…」(What is an Engineer?)為主題與一百多名小學生講解工程師的日常。我們於年度內共安排學校大使到訪

The Hong Kong Institution of Engineers Council 2019/2020 Session

二零一九至二零二零年度香港工程師學會理事會

● 二零一九至二零二零年度香港工程師學會理事會

十六所學校，向二千多名學生分享工程師的工作及推廣工程專業。此外，學會獲香港青年協會邀請，參與該協會舉辦的「滙豐未來技能培訓計劃」當中的兩項活動，包括「行業專家工作坊」(Workshops by Industries Professionals)及「實時網絡研討會 — 工程師分享」(Live Webinar – Engineer Sharing)。活動中看到不少年輕人積極參與，主動認識工程專業，我們甚感欣喜。

學會致力加深大眾對工程專業的了解，並鼓勵年輕人投身工程行業。去年，我們參加了「2019建造創新博覽會」，展出學會分部在創新工程及技術方面多項作品以及「香港工程師學會青年會員創意獎2019」的獲獎作品。為進一步推動創新，學會檢視已舉辦多屆且備受業界推崇的「香港工程師學會青年會員創意獎」，並由本年度起，增設組別供所有學會會員參加，以鼓勵創科發展。

職業生涯故事往往具啟發性。我們一如以往邀請各分部及委員會於學會各合作平台刊登工程專業相關文章。除此之外，我們本年度更安排了「師傳計劃2019/2020」的年輕工程師接受媒體訪問，從青年人角度分享專業路上的體會及經歷。

儘管新型冠狀病毒疫情限制了群體活動，在情況許可下，我們仍致力籌辦各項活動，當中包括為小學生而設的「香港工程師學會填色比賽」及為公眾和學會會員舉辦的「香港工程師學會攝影比賽」。比賽頒獎典禮於二零二零年六月二十七日順利舉行，獲獎作品其後於香港科學館、香港文化中心、港鐵社區畫廊及時代廣場等場地作巡回展覽。

學術評審方面，繼二零一九年四月推行正會員的能力為本專業評核制度後，學會計劃於二零二二年第二季推行仲會員的能力為本評核方法。學會亦與營運工程師學會

● 學校大使計劃講座

續簽專業資格互認協議，該協議自二零二零年三月一日起生效。

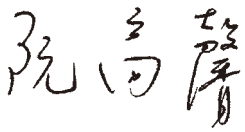
學會藉透過傳媒提供專業解說及分析，提升公眾對工程專業的了解。二零一九年十二月，我們舉辦了媒體聚會，傳媒代表與會長和執行委員會委員在學會專業資格認可、住房和土地供應等議題上作出交流。本年度，學會共收到一百六十一則傳媒查詢，並獲報導一百四十次，其中包括與新型冠狀病毒疫情相關的工程專業議題。我們亦向多個公共機構提交合共十一份意見書，當中涉及減碳、道路收費、香港面對的社會和金融挑戰等議題。

隨著閱讀模式的轉變，我們優化了學會月刊《香港工程師》的網上平台 http://www.hkengineer.org.hk，支援不同流動裝置，方便隨時隨地瀏覽月刊內容。線上閱讀已成為趨勢，藉著網站功能提升，我們鼓勵會員閱覽網上版月刊，以減少「碳足跡」。

學會獲頒「15年Plus同心展關懷」標誌及「建造業關愛機構」標誌，以表揚學會對行業、社區、員工及企業社會責任的承擔。

過去廿二多年來，香港工程師學會已成為我生命的一部分。這些年來，我有幸與本港及海外很多富有熱誠和創意的會員並肩工作，同時建立了一個六十多人的團隊，致力促進工程專業的發展。我謹此向學會所有前任會長、現任會長及副會長、會員、秘書處同事及各前任秘書長致以衷心感謝。儘管我們肩負任務從不輕鬆，但我們彼此間的友誼是我們所熱愛的學會最堅實及穩固的基礎。對此，我將永遠心存感激。

我將邁入人生的下一個階段，把更多時間留給家人，因此不得不跟各位會員及同事們說再見，但我內心堅信：友誼無止境，學海亦無涯。



秘書長
阮高馨

● 香港業教育學院(黃克競分校)學生分部就職典禮

● 第四十五屆會員週年大會

Chief Executive and Secretary's Report
Session 2019/2020

Knowledge is empowering. In any profession, "knowing what we know" – possessing the required knowledge, gives us the confidence to excel. Yet in this fast-changing digital world, it's increasingly "what we don't know" that must guide us as we prepare for the future.

Technology has already transformed the workplace and revolutionised the way we learn. Increasingly, what we experience goes beyond what we know. As the pace of innovation accelerates, the demands of the digital age add a new urgency to the importance of "Knowledge Transfer • Our Commitment for the Future" (**教澤廣被　源遠流長**). By getting ready now, we will be able to seize the opportunities emerging from the growing digitalisation of our world.

Despite facing unprecedented challenges throughout the Session – from social incidents to the Coronavirus Disease 2019 (COVID-19), I am proud to report that we have achieved most of our objectives.

At the beginning of the Session, we organised two major conferences together with other leading professional institutions from the region. From 2 to 6 July 2019, we hosted the International Council on Electrical Engineering (ICEE) Conference 2019 in collaboration with the Chinese Society for Electrical Engineering, the Institute of Electrical Engineers of Japan and the Korean Institute of Electrical Engineers. The event – featuring keynote speakers like Sir Fraser Stoddart, 2016 Nobel Laureate in Chemistry – attracted more than 400 international delegates who presented 254 papers on the topic of "Towards Intelligent Electrical Engineering". Jointly organised with the Shanghai Association for Science and Technology, the Hong Kong and Shanghai Symposium on Science and Technology took place in Hong Kong on 27-28 September 2019. Under the theme of "Building a World-class City Cluster – Opportunities and Challenges for Scientific and Technology Practitioners" (**建設世界級城市群 — 科技工作者的機遇及挑戰**), the Symposium provided a platform for the exchange of technical knowledge between the two cities on topics like artificial intelligence, human-computer interaction and intelligent urban management.

As engineers seek new solutions to tackle old problems, knowledge transfer extends beyond the confines of the engineering profession. In November 2019, the HKIE joined the Joint Mediation Helpline Office (JMHO), a non-profit organisation dedicated to promoting mediation as a tool of dispute resolution. Joining the JMHO will provide more exposure to enrich members' knowledge and experience in mediation and create new professional opportunities for HKIE mediators.

The essence of knowledge transfer lies in preparing the next generation. Our popular HKIE Student Ambassadors Programme (SAP) has been an effective vehicle to engage with the engineers of tomorrow, particularly secondary school and tertiary institution students. For the first time, SAP representatives visited primary schools to deliver a talk on "What is an Engineer?" to around 100 students. The SAP also visited 16 educational establishments to share stories and promote engineering to more than 2,060 students. Invited by The Hong Kong Federation of Youth Groups, our School Ambassadors supported the "Workshops by Industries Professionals" and "Live Webinar – Engineer Sharing" under their "HSBC Future Skills Development Project". We are delighted to see so many young people being proactive in learning about engineering.

The HKIE is committed to inspire young people to join the profession and strengthen the public's understanding of engineering. It is imperative we educate the public about what we do. The HKIE took part in the

● Visit to UK Chapter

● Group photo of President, Chief Executive and Secretary and Protégés

● Publicity Events Prize Presentation Ceremony

Construction Innovation Expo 2019, which featured exhibits from our Divisions and awardees of the HKIE Innovation Awards for Young Members 2019 to showcase Hong Kong's engineering innovations. As the latter competition proved so successful in fostering innovation and creativity, it has been elevated into a new HKIE Innovation Award opened to all members. Since stories possess a unique power to inspire, we again invited our Divisions and Committees to publish articles on online platforms. We also arranged interviews with the young engineers of the President Protégés Scheme 2019/2020 to share their experiences as young industry practitioners.

Although the coronavirus outbreak deterred physical outreach, we managed to hold both "The HKIE Colouring Competition" for primary school students and "The HKIE Photo Competition" for the public and HKIE members. A Prize Presentation Ceremony was held on 27 June 2020 at the HKIE Headquarters and winning entries will be exhibited in venues including the Hong Kong Science Museum, Hong Kong Cultural Centre, MTR Community Art Gallery and Times Square Hong Kong.

On the qualifying front, following the launch of the Competence-based Professional Assessment system for Corporate Members in April 2019, the HKIE plans to extend the Competence-based Approach for Assessment for Associate Membership in the second quarter of 2022. The Reciprocal Recognition Agreement between the HKIE and the Society of Operations Engineers has also been renewed, effective from 1 March 2020.

Engaging with the media is important as we seek to provide professional insights to enhance public understanding on issues related to engineering. In December 2019, we held a media gathering to allow members of the media and the President and the Executive to discuss on issues such as the professional recognition of engineers in Hong Kong and topics like housing and land supply. The HKIE also handled 161 media inquiries during the year, with 140 responses published, including on COVID-19 related topics. We also made a total of 11 submissions to public entities on topics ranging from decarbonisation and road pricing to the social and financial challenges facing Hong Kong.

As the reading habits of our members move online, we improved the digital version of *Hong Kong Engineer*, our monthly journal. Featuring a mobile-responsive design, the revamped Hong Kong Engineer Online is hosted at http://www.hkengineer.org.hk. We encourage members to use the Journal's online opt-in function to reduce carbon footprint.

We are honoured to have been conferred the "15 Years Plus Caring Organisation" logo as well as the "Construction Caring Organisations" logo in recognition of our commitment to the community, our employees, the industry and corporate social responsibility.

For over 22 years, the HKIE has been my life. Throughout these years, I have had the immense privilege of working with many inspiring members, both here and abroad, while building a team of more than 60 people committed to do what's best for the engineering profession. I want to express my deepest gratitude to all our Past Presidents, Officers, members, secretariat staff and my predecessors. While our task has not always been easy, our friendship proved a most solid and resilient foundation for the Institution we love. For that, I will always be grateful.

As I enter the next phase of my life and prepare to spend more time with my family, I am saying goodbye with the certainty that knowledge – like true friendship – will always remain free of boundaries.

● Presidential Address & Dinner

Mrs Monica YUEN
Chief Executive and Secretary