

秘書長報告

2017/2018

學會本年度的主題——「傳承七十載·齊創新領域」，強調學會在支持工程專業發展所擔當的重要角色。七十多年來，學會致力為會員提升價值，其中一個主要任務，就是為工程專業制定和維持專業標準，幫助會員持續展現其專業能力。

尤以工程師的專業評核為例，為確保與國際趨勢接軌，我們在邁向以能力為本的專業評核方面取得重大進展。我欣然向大家報告，學會為推展這項計劃而特別成立的工作小組一直與相關委員會及其他小組緊密合作，致力於二零一九年四月落實以能力為本的專業評核和相應的工程畢業生培訓計劃（「A」計劃）。由二零一八年六月開始，學會已就這套新的評核方法為評審員提供培訓，有關培訓會持續至二零一九年三月。在新的評核方法落實後，我們將根據香港工程師學會的專業工程師能力標準，為有意取得學會正會員資格的人士進行評估。這些人士亦需要充分展示他們已具備足夠的知識和技能，以達至學會所制定的相關能力標準。

為配合這方面的發展，我們現正以能力為本的模式制定所有專業界別的「目標訓練」，冀為參加能力為本專業評核的學員作準備。工程畢業生培訓計劃（「A」計劃）的相關文件將於二零一八年十一月公佈。

學會舉辦的結構界別資歷考試，亦是協助加強工程師的專業評核標準的多項舉措之一。結構界別資歷考試自二零零九年首次舉辦以來，每年均反應熱烈。直至二零一七年為止，參與筆試的人數已由二百二十五人增加超過一倍，上升至四百六十四人。舉辦資歷考試，是學會幫助工程師作好準備，迎接未來挑戰的其中一種方式。

二零一七年六月底，香港特別行政區政府及國家商務部在《內地與香港關於建立更緊密經貿關係的安排》的框架下簽署《經濟技術合作協議》，加大內地對香港開放的力度。該協議包括專業資格互認協議及內地的相關註冊制度，這對業界尤其重要。學會亦按發展局要求，於二零一七年九月向有關會員進行問卷調查，了解他們對於透過資格互認協議取得內地工程師資格的意向。我們已將會員的回應連同對資格互認條件的建議轉交予發展局，讓局方與國家住房和城鄉建設部作進一步聯繫。

通過學會認證的課程、註冊專業工程師和服務持續獲得國際的認可，證明質量達到國際基準水平。於二零一七年底進行的「首爾協議監察檢討」，確認香港工程師學會的認證制度和學會在香港所認證的計算機科學課程的成果，與其他《首爾協議》簽約成員相當。我們亦欣然報告，在國際工程技術員協議框架下，中國香港部分的國際工程技術員名冊已於二零一七年底獲核實，並確認相關的標準及制度與其他協議成員所採納的基本等同。

此外，我們將於二零一九年六月在香港舉辦國際工程師聯盟大會及《首爾協議》大會。我們獲得舉辦這兩個會議的機會，將有助進一步提升學會形象及國際地位。我們亦已成立了籌備委員會，負責籌劃會議的事宜。

我們繼續舉辦多個論壇及研討會，適時探討業界關注的議題，以凝聚工程



中國科學技術協會到訪



Women in Engineering: the Journey and the Future研討會



傳媒午宴

專業知識、智慧和經驗。為配合本年度的主題，學會於二零一八年六月舉辦題為Women in Engineering: the Journey and the Future的研討會。該研討會特別探討一個女性專業工程師的事業發展歷程，以鼓勵更多女性加入工程業。我們亦就著當前的熱門工程議題舉辦了三場大型論壇——分別為建造業2.0、創新及科技發展和香港土地供應。多名官方代表及業界專家均應邀出席論壇，與會員交流意見，讓他們對這些重要工程議題的最新發展有更深入了解。這些論壇和研討會都取得各方的正面回應。

我們舉辦的推廣活動繼續取得令人鼓舞的成果。本年度的「智慧城市」填色及「學會宣傳動畫角色名字·齊想想」比賽以小學生為參加對象，共收到約四千八百份參賽作品。學會以「工程跨世代 智慧創未來」為主題的一連串重點活動，當中包括工程展覽、智慧講座、工程項目半日遊，及開幕典禮暨「智慧城市」填色及「學會宣傳動畫角色名字·齊想想」比賽頒獎典禮等，均引起廣泛的公眾關注和媒體報導。我們利用不同的宣傳渠道，包括報章特刊、搜尋引擎推廣、學會網站、社交媒體專頁等，推廣活動之餘亦同時提高大眾對學會的認識。為加強推廣此項活動，在開始前，我們安排了一場小組傳媒專訪介紹有關詳情，並分享了學會致力透過推動STEM(科學、科技、工程及數學)

教育以培育新世代專才的承諾。小組傳媒專訪後，共有二十三篇關於該活動的報導刊載於紙媒及網上媒體。其後的開幕典禮暨「智慧城市」填色及「學會宣傳動畫角色名字·齊想想」比賽頒獎典禮，亦有七篇報導刊載於紙媒及網上媒體。由二零一八年四月七至十八日舉行的展覽活動，吸引近三萬五千名人次參觀。

另一項重點活動是香港工程師學會學校大使計劃。本年度我們進行了四十次校園推廣，接觸了超過六千名學生。為加強學會對外的宣傳工作，我們現正設計專門針對小學生的宣傳材料，向年輕一代推廣工程專業。

我們還安排了多場傳媒活動，以加強學會與媒體之間的關係，並提高在媒體的曝光率。為啟發年青學子及家長對工程專業的興趣，我們訪問了傑出青年工程師獎得主及「師傅蒼」成員等，講述他們職業生涯的故事，並

刊載於星島日報教育專欄。另一方面，學會亦一直與Classified Post及JobsDB等合作提供有關市場趨勢及工程專業職場資訊等主題的文章。

我們亦於二零一七年十月革新學會網站，當中新增多項功能及全新設計網站版面及編排內容，為使用者帶來更好的瀏覽體驗。

學會繼續與時並進，致力為會員提供專業發展所需的工具及知識，以達到最高專業標準。要持續實踐這個目標，需要學會會員和秘書處堅持不懈地努力。本人謹此感謝大家一直以來盡心竭力推動學會向前發展。

秘書長
阮高馨



迎新酒會

Chief Executive and Secretary's Report Session 2017/2018

This Session's theme of "Engineering a New Horizon from 70 Years Foundation" has highlighted the critical role of the Institution as a learned society in supporting improvements within the engineering profession. For more than 70 years, the HKIE has continued to enhance the value we deliver. As part of this journey, a key role of the Institution has been to set and uphold standards of professional practice and help members demonstrate their continuing competence in engineering.

Particularly, in ensuring parity with international trends in the assessment of engineers seeking professional standards, the Institution is making great progress in transitioning to Competence-based Professional Assessment. I am pleased to report that the Working Group on the Competence-based Project has been working with the relevant Committees and Panels towards the launch of the Competence-based Professional Assessment and Scheme "A" Training in competence-based format in April 2019. Training for the HKIE Assessors on the new assessment approach is being held from June 2018 to March 2019. After the launch, applicants intending to become Corporate Members of the HKIE will be assessed against the HKIE Competence Standard for Professional Engineers and will need to provide sufficient evidence to demonstrate that they have the knowledge, understanding and skills on a par with the relevant competence standards set out by the Institution.

To dovetail with this development, the Training-by-Objectives of all Disciplines in competence-based format are being mapped out in preparing the trainees for the Competence-based Professional Assessment. The relevant documentation for Scheme "A"

Training will be released in November 2018.

The HKIE Structural Examination is also one of the many examples of how the Institution helps enhance the standard of professional assessment for our membership. We have received a keen response from applicants since the first HKIE Structural Examination was held in 2009 and have seen attendance for the written examination more than double from 225 in 2009 to 464 in 2017. This is one of the ways in which we are helping to better prepare our engineers to meet the challenges of tomorrow's world.

In late June 2017, the HKSAR Government and the Ministry of Commerce of the mainland Government signed the Agreement on Economic and Technical Cooperation to renew and strengthen the liberalisation measures in various aspects under CEPA. This agreement includes mutual recognition of professional qualifications and related registration in mainland China. This is of great importance to the engineering industry, and at the request of the Development Bureau, the Institution surveyed relevant Members in

September 2017 to gauge their interest in acquiring engineering qualifications issued by mainland China via mutual recognition. Responses from our Members, together with the proposed criteria for mutual recognition, have been conveyed to the Development Bureau for further liaison with the Ministry of Housing and Urban-Rural Development of the mainland Government.

The Institution has continued to receive international recognition and benchmarking attesting to the quality of our programmes, registered professionals and services. The Seoul Accord Monitoring Review of the HKIE was conducted in late 2017 and verified that our accreditation system and the outcomes of the computer science programmes we offer in Hong Kong are well benchmarked against the other signatories of the Seoul Accord. We are also pleased to report that the Hong Kong China Section of the International Engineering Technologist Register under the International Engineering Technologist Agreement was verified in late 2017 and its standards and systems were confirmed to be substantially equivalent to those recognised by the Agreement.



The 42nd AGM



o Presidential Address



o The HKIE Concert "The Sound of Engineers, Seventy Years & Beyond"

Moreover, in June 2019 we will concurrently host the International Engineering Alliance Meetings and the Seoul Accord General Meeting in Hong Kong. The opportunity to organise these events will further strengthen the Institution's image and international standing. An Organising Committee has been tasked with the organisation and planning of these meetings.

Leveraging our expertise, knowledge and experience in engineering, we have continued to organise timely forums and seminars on topical engineering issues. To tie in with the Session theme the Seminar on Women in Engineering: the Journey and the Future was organised in June 2018. This seminar featured



o Education and Careers Expo 2018

a female engineer's personal journey to career success with the aim of inspiring more women to join the industry and advance their careers in engineering. We also organised three large-scale forums on prevailing hot topics, namely the HKIE Forum on Hong Kong Construction 2.0, the HKIE Forum on Hong Kong Innovation and Technology Development and the HKIE Forum on Land for Hong Kong. Government officials and industrial experts were invited to the forums to exchange views with our members and help them to gain a better understanding of the latest developments of these important engineering issues. All these events received very positive feedback.

Our public outreach efforts continue to yield very encouraging outcomes. The HKIE Colouring and Mascot Naming Competition for primary school students received a total of around 4,800 entries. Our signature event under the theme of "Smart Tomorrow, Engineers' Motto", which included an exhibition, smart lectures, project site visits and an Opening Ceremony cum Prize Presentation for the HKIE Colouring and Mascot Naming Competition, drew wide public attention and media coverage. Various promotion and publicity channels were leveraged to help promote this event and further publicise the Institution including newspaper supplements, search engine marketing, advertisements on the HKIE website and a social-media fan page. A media briefing was also arranged prior to the event to introduce the event details to the media in addition to sharing the Institution's commitment to encouraging a new generation of talents to join the engineering profession by promoting STEM. The media briefing resulted in a total of 23 articles being published in both print and online media. The subsequent Opening Ceremony cum Prize Presentation for the HKIE Colouring and Mascot Naming Competition was also covered in seven articles in both print and online media. The exhibition attracted about 35,000 visitors from 7 to 18 April 2018.

It is also worth noting that our HKIE School Ambassador's Programme realised 40 school visits—reaching more than 6,000 students across Hong Kong. To further enhance the impact of the Institution's outreach efforts, we are also currently developing an introductory PowerPoint presentation, specifically aimed at primary schools, to promote the engineering profession among the younger age groups.

Several media events were also arranged to bolster the Institution's media relationships and at the same time garner great exposure both in print media and online. As part of the media coverage gained, a series of inspiring stories by Hong Kong engineers were published in the education column of the Sing Tao Daily. The column included interviews of the awardees of the Young Engineer of the Year Award and President's Protégés Club—highlighting interesting stories from their careers to help inspire young students and parents in the engineering field. In addition, the Institution has been cooperating with the Classified Post and JobsDB to provide articles on topics such as market trends and career advice.

We launched our new website in October 2017. With a number of functional enhancements and restructured content, the revamped website better showcases the professional image of the Institution and provides users with an enhanced web browsing experience.

The Institution continues to move with the times and is committed to its mission of empowering members with the tools and knowledge required to excel in their profession and attain the highest levels of professional standards. All of this would not be possible without the dedication and hard work of our members and my team. I thank you all for your continued efforts in helping us continue to drive the Institution forward.

Monica YUEN
Chief Executive and Secretary