

會長報告

2017/2018



作為二零一七/二零一八年度的香港工程師學會會長，對我個人來說確實是令我十分難忘的一年，而對學會來說，更是個非常特別的一年，因為剛好是學會前身——香港工程協會成立七十周年的大日子！

與任何其它組織一樣，我們除了累積多年來建立的成績之外，還有經歷許多充滿挑戰的時刻。令我倍感自豪的，不只是我們在過去七十年的非凡成就，而是在這段歷程中為克服挑戰所付出的決心和毅力。事實上，我們不僅應對挑戰，還積極地從挑戰中尋找機遇，從而驅使我們不斷向前，進一步提升實力，以達致今天的成效。

在我去年九月的會長就職演說中曾提及，我們在不忘過往成就的同時，更重要的是展望未來，為未來作好最充分的準備。

學會本年度的主題強調「繼往開來」這意念，我們致力推進：

- 「可持續」的專業技能和能力；
- 「聯繫」本地和國際社會間的不同領域；和
- 「突破」慣常模式齊創新領域。

現下世界對我等工程專業不斷提出不同的挑戰，我們不能墨守成規僅僅把事情「做得恰當」，而是更需要我們「做恰當的事」。

本年度內我們尤其積極與本地及國際間的不同領域建立聯繫。為讓會員更了解「一帶一路」倡議下的發展和機遇，於今年三月，我率領學會代表團前往柬埔寨進行學會首次參與「一帶一路」國家訪問，期間與該國政府高級官員會面，從而取得關於當地工程項目發展的第一手資訊。

去年十一月，學會內地事務委員會承辦了由學會與廣東省科學技術協會及澳門工程師學會合辦以「粵港澳大灣區工程領域的機遇與挑戰」為題的研討會，於

深圳順利舉行。是次活動為會員提供平台，讓他們了解更多關於粵港澳大灣區發展規劃所帶來的機遇。

本年度內，我還帶領香港工程師學會代表團參加了多個在海外舉行的活動，包括二零一七年於中國威海舉行的電機工程國際會議；以及同年在上海舉行的滬港科技合作研討會和在澳門舉辦的第四屆兩岸四地智能軌道交通發展論壇。我們亦於二零一七年八月與深圳前海管理局代表舉行會議，就如何加強香港工程師學會與該局的進一步合作，以及促進香港工程師在前海的就業機會進行具體的交流。此外，去年十月，我個人還訪問了英國分部，與當地的同業友好會面，促進連繫。



○ 第四屆兩岸四地智能軌道交通發展論壇

所有這些互動訪問不僅促進了學會會員在學術知識方面的交流，更能進一步擴大學會會員的視野，協助他們發現和把握新的機會。

在本港，我和上任會長及其他副會長於最近約會香港特區政府的五位主要官



○ 「一帶一路」國家訪問團到訪柬埔寨



○ 2017年電機工程國際會議



○ 粵港澳大灣區會議

員，就工程專業範疇交換意見，以履行我們部份的工作責任與相關主要持分者進行持續對話。

隨着學會本年度「傳承七十載 齊創新領域」的主題，學會於二零一八年一月在數碼港艾美酒店舉辦「學會策略發展日」。活動當天三十多位來自不同工程專業界別、領域及資歷的會員聚首一堂，就學會的未來發展方向交換意見。討論中提出了多項重要的建議，有助學會採納作為制定未來路向的參考，以確保學會和工程專業在二零三零年及以後得以持續發展。

學會於本年度籌劃多個富教育性和趣味性的活動以培育和提升下一代工程師的技能，其中一項特別成立較關鍵性的活動，是由高級副會長黃唯銘博士、工程師專責領導的工作小組，制定不同的策略和活動推廣到中小學界，祈能引起中小學生們對工程專業的興趣。各專案工作小組和督導小組亦已開始製作與科學、科技、工程及數學 (STEM) 相關的教學資料及全力推出「工程先鋒計劃」。此外，我們亦舉辦了「智慧城市」填色及「學會宣傳動畫角色名字·齊想想」比賽，藉此促進小學生們對工程專業的認識及推動STEM教育。

我們更積極參與由香港科學館於二零一八年四月所舉辦的「2018香港科學節」並以一系列「工程跨世代 智慧創未來」為主題的大型活動作為是次活動

的一部分，當中包括工程展覽、智慧講座及工程項目半日遊等，向公眾展示工程師對香港可持續發展的貢獻，以及為社區建造智慧城市的努力。為吸納年輕才俊加入工程界，學會一直不遺餘力地致力促進和提高業內人才多元化。而為均衡和改善業內長期男女性別比例的問題，學會認為確有需要鼓勵更多女性加入工程行業，坐言起行，我們於本年度成立了一個由七名熱心的女性工程師會員組成的專責小組，透過她們設身處地的感受，以集體構思和制定策略以促進更多女性工程師加入成為學會會員，更為女性會員爭取支持和幫助。

我深信，只有在工作和朋友、家庭生活之間取得適當的平衡，才是真正的成功之道。因此，學會致力協助會員以健康和可持續的方式，把工作和家庭生活適當和諧地融合。我們其中一項重點活動，是於二零一七年十二月在九龍灣國際貿易展覽中心Music Zone@E-MAX舉辦名為「工程師好聲音」的音樂會。此次活動有十個由學會前會長、會員、來自政府部門



○ 「工程師好聲音」音樂會

和大學的參加者所組成的樂隊演出，成功地向公眾和傳媒展示工程師的音樂才華，更吸引了七百多名觀眾。

協助會員不斷追求卓越和提升工程專業水平，是學會一貫的重點目標。我欣然宣布，我們致力準備多時的成果，以專業能力為本作為專業評核標準，和以專業能力為本模式的畢業生培訓計劃，終於在明年推出。在未來幾個月，我們將為會員提供這項新的專業評核方法的詳情。

我出任會長的期間深感欣慰。學會本年度所取得的成績，實有賴上任會長及其他副會長、會員和秘書處的持續支持和貢獻。我們務實的處事態度有助確保學會和整個專業的持續發展，使我們能夠克服重大挑戰。這處事態度一直是確保學會能蓬勃發展七十年的關鍵。而在繼續向前邁進的過程中，我們不應再「墨守成規」，需尋求突破，「開拓新領域」，我深信以這種務實的處事態度，將使我們在未來七十年甚至更長時間，持續茁壯成長。

陳國璋

會長
陳國璋工程師

President's Report

Session 2017/2018



This has been a truly memorable Session for me as the President of the HKIE—2017 was a very special year for the Institution, marking the 70th Anniversary of the founding of its predecessor, The Engineering Society of Hong Kong.

As with any organisation, along with our many successes, there have been plenty of challenging times too. I am so proud not just of our incredible achievements over these past 70 years, but even more so of our determination and resilience in withstanding the challenges we have faced along that journey. In fact, we have not merely coped with challenges, but have proactively leveraged them to help us continuously move forward and further build our capacity up to what it is today.

In my Presidential Address last September, I mentioned while we honour our past, even more importantly, we also look ahead to best prepare for the future.

A key theme I have focused on this Session is the concept of "continuity", striving for:

- "Sustainability" of the skills and competences for the profession;
- "Connectivity" between different sectors of the society, locally and internationally; and
- "Making a difference" from business-as-usual to a new horizon.



o Annual Dinner

Given the continued challenges facing our profession, it is no longer simply enough for us to "do things right", we need to "do the right things".

We have, in particular, redoubled our efforts on building connectivity between different sectors both locally and internationally during the Session. We sought to keep our members abreast of upcoming developments and opportunities under the Belt and Road Initiative, and this March I led the first ever HKIE Belt and Road country delegation to Cambodia, during which we met with senior Cambodian Government officials gaining first-hand information on the engineering opportunities in Cambodia.

In November 2017, our Committee on Mainland Affairs co-hosted the Conference on the Greater Bay Area with a theme of "Opportunities and Challenges of the Engineering Profession in Guangdong-Hong Kong-Macau Bay Area" (粵港澳大灣區工程領域的機遇與挑戰) in Shenzhen together with the Guangdong Provincial Association for Science and Technology and the Macau Institution of Engineers. This important event aimed to provide a platform for our members to understand more about the new opportunities brought by the Guangdong-Hong Kong-Macau Bay Area Development Plan.

I also led HKIE delegations to a number of events outside Hong Kong including the International Conference on Electrical Engineering 2017 in Weihai, China; the joint Shanghai and Hong Kong Symposium on Science and Technology held in Shanghai and the 4th Cross-Strait Forum on Smart Rail Development in Macau. We also held a meeting with representatives of the Qianhai Authority in Shenzhen in August 2017, and had a fruitful exchange on exploring ways to enhance further co-operation between the HKIE and the Authority as well as to facilitate the Hong Kong engineers' access to the employment opportunities in Qianhai. Further afield, I made a visit to the UK Chapter last October to meet our British counterparts and friends.



o UK Chapter Visit

All these interactions have not only facilitated knowledge exchange but have also greatly assisted our members in further expanding their horizons to help them discover and seize new opportunities.

Closer to home, in Hong Kong, I and other Officers recently met with five Principal Officers of the HKSAR Government, to exchange views on the profession as part of our on-going dialogue with key stakeholders.



○ The HKIE Strategy and Development Day



○ Annual Dinner with Protégés

Along with my theme for the Session, “Engineering a New Horizon from 70 Years Foundation” (傳承七十載 齊創新領域), we organised the HKIE Strategy and Development Day in January 2018 at Le Meridien Cyberport. More than 30 members, both young and experienced, from different disciplines and sectors gathered on the day to exchange views on the future direction of the Institution. The discussions yielded a number of important suggestions which we have taken on board to help us formulate our roadmap for the future, to ensure the sustained growth of the Institution and the profession beyond 2030.

We have taken numerous steps to help nurture and up-skill the next generation of engineers. A key step has been forming the Task Force on Promotion of the Engineering Profession to Schools led by Senior Vice President, Ir Dr Philco WONG to develop strategies to generate interest in the engineering profession at primary and secondary levels. Respective Working Groups and a Steering Group have been in place to produce educational kits. The HKIE Engineer Cadet Club Programme has been created and is now in full swing. Additionally, the HKIE Colouring and Mascot Naming Competition (「智慧城市」填色及「學會宣傳動畫角色名字·齊想想」比賽) was launched for primary school students to promote their understanding of the engineering profession and Science, Technology, Engineering and Mathematics (STEM) education.

As part of our involvement in Hong Kong SciFest 2018, initiated by the Hong Kong Science Museum, we organised a major public event in April 2018 entitled “Smart Tomorrow, Engineers’ Motto”. The SciFest included an exhibition, smart lectures and project site visits and also showcased engineers’ contributions to the sustainable development of Hong Kong including their efforts in creating a smart city for the community.

To bring new young talents into engineering, the Institution has also been working hard to enhance the diversity of talents in the field. Recognising the need to encourage more women to join the engineering field, we set up a Task Force on Women in Engineering in this Session. The Task Force, comprising seven dedicated female members, is to address the profession’s long-term gender imbalance by formulating ideas and strategies to promote membership among women engineers and provide support to female members.

I believe that we can only view ourselves as truly successful when our lives are properly balanced outside of work with friends and family. Therefore, the HKIE puts significant effort into helping members integrate their work and home lives in a healthy and sustainable way. As part of these efforts, in December 2017 we held the HKIE concert entitled “The Sound of Engineers, Seventy Years & Beyond” at the Music Zone @ E-Max at Kowloonbay International Trade & Exhibition Centre. The event was a great success in showcasing engineers’ musical talents to the public and media, which attracted over 700 attendees and featured performances from 10 bands including those from past Presidents, members, government departments and universities.

Assisting members in the ongoing pursuit of excellence and professionalism in the

engineering practice is a key goal of our Institution. I am delighted to announce that we are reaping the fruits of our efforts in preparing for the launch of the competence-based Professional Assessment and Scheme “A” Training in competence-based format next year. In the forthcoming months, we will keep members fully informed of the implementation process of this new Professional Assessment approach.

I have greatly enjoyed my tenure as President. The achievements we have made in this Session would not have been possible without the continued support and dedication of our Officers, members and the Secretariat. The pragmatic approach we have taken to help ensure the sustainability of our Institution and the profession as a whole has enabled us to overcome significant challenges along the way. This approach has been key in ensuring that the Institution has thrived for seven decades. As we move forward, pushing the envelope from “business-as-usual” to “exploring new horizons”, I am confident this pragmatic approach will see us thrive for much longer than seven decades to come.

Ir Thomas CHAN Kwok Cheung
President



○ “Smart Tomorrow, Engineers’ Motto” Programme