



秘書長報告2013/2014

隨著學會開展的各項外展活動，香港工程界又渡過了多采多姿的一年。學會首次舉辦「香港工程師學會創意嘉年華2014」，吸引了數千公眾人士前往九龍灣國際展貿中心，在嘉年華的歡樂氣氛中加深對工程專業的認識。

學會一如以往透過舉辦巡迴展覽及職業講座等活動積極接觸公眾。在現今講求互動的時代，「香港工程師學會創意嘉年華2014」各項有趣的活動，如遊戲展覽攤位，機械人工作坊及模型賽車等大大喚起了公眾對工程的興趣。除此以外，學會亦舉辦了兩場卓越工程講座，與會員及公眾探討兩項對我們影響深遠的議題，當中包括由中國科學院、中國工程院及國際歐亞科學院院士李德仁教授講述智慧城市中大數據的搜集及應用策略，以及由前任會長、中國工程院院士及英國皇家工程院院士陳清泉教授、工程師介紹如何以文藝復興時期科學家和思想家的精神來推動電動汽車未來的開發和應用。

為吸引廣大市民對工程專業的關注，師傳蒼一班未來工程界領袖特別製作了兩段短片，片名分別為《工程盡獻 生活美善》及《我的理想 專業/抱負/未來》。其中一段短片講述三個年青人在孩童年時代已對工程專業產生興趣，並於長大後分別成為電子、飛機和結構工程師的故事。我們希望公眾對故事主人翁的經歷產生共鳴，從而吸引更多年輕人加入工程專業。

學會在過去一年亦增強了與傳媒的聯繫，藉以加強與公眾的接觸。學會在本年度共收到二百一十三次傳媒查詢及採訪要求。會長陳健碩工程師適時地回應媒體的疑問，從工程角度評論香港的發展和市民關注的事件，以至就業前景問題等，都令學會增加了曝光率，並提高了香港工程師和學會的形象。為加強與媒體的溝通，學會更成立了專責小組及設立資料庫，為媒體提供採訪資料之餘，也有助學會更有效地處理傳媒查詢。



▲ 香港工程師學會周年晚宴



▲ 會長就職演說

在學術活動方面，學會在本屆舉辦了兩項大型的會議。首先是於二零一三年九月在上海舉行的「2013滬港科技合作研討會」。研討會為兩地的工程師提供了一個技術、知識及經驗交流的重要平台，合共有超過一百名代表參加，當中四十四位來自香港。另一項是於二零一三年十一月在香港舉行的「災後重建國際論壇」。地震和其他自然災害在許多國家都時有發生，而工程專業正可減低災難造成的破壞。是次論壇的主要目的是檢討和整合災後重建的經驗，深化各界對自然災害帶來的破壞及次生災害的認識，共有超過三百名代表參加，除香港代表外，亦有來自內地、台灣、日本和新西蘭等地的參加者。該論壇能順利舉行，全賴香港工程師學會四川項目信託基金、香港特別行政區政府發展局、中國科學技術協會及四川省科學技術協會的參與和支持，我謹代表學會向他們致以衷心謝意。

在這過去的一年，整個香港社會都在熾熱地討論有關香港土地供應和長遠社會及經濟發展的問題。就著這些議題，香港工程師學會不單為會員舉辦了洪水橋新發展區簡介會，而且更就長遠房屋策略諮詢成立專責小組以便向當局提供專業意見。關於新界東北新發展區計劃，我們也提交了學會的意見。

香港工程師學會的專業地位早已得到社會大眾的認同，學會就不同議題發表的意見亦備受重視。學會在本年度就一系列有關工程和環境的問題向政府和立法會提交意見，包括室內空氣溫度和濕度指引、強制性能源效益標籤計劃、空氣污染管制和廢物處置方案等，例子繁多，未能盡錄。學會亦對一系列廣大市民關注的課題，包括二零一四年的施政報告及二零一四至一五年度財政預算案提出意見。學會又聯同工程匯舉辦論壇，討論「2017年行政長官及2016年立法會產生辦法」公眾諮詢文件。

學會一向非常重視本地工程專業水平。為配合國際間的大趨勢，學會近年在學術評審及資歷審核方面分別朝著「果效

為本」和「能力為本」的方向進發，務求緊跟國際標準。本年度的相關工作包括到訪香港科技大學和香港大學，進行以「果效為本」的學術評審。在這兩次訪問中，學會一共就三十八個工程學位課程進行評估。

繼澳門大學工程學位課程經學會認證成為首個達到國際標準的境外學術評審項目後，學會又初步訪問了澳門科技大學，為其資訊科技學院理學士課程提供建議，以便他們編制方案，以符合香港工程師學會計算機科學課程的學術評審準則。

結構界別也傳來了好消息。一共有三十二名結構界別的工程師通過了二零一三年廣東省的法律及規例測試，他們可根據CEPA的安排在廣東省登記執業和開業。到目前為止，共有八十二名結構界別會員通過該測試，並可向住房和城鄉建設部申請在省內開設工程公司。此外，共有三百二十八人參加了香港工程師學會在二零一三年十一月舉行的結構界別資歷考試，人數為過去五年的新高，足見學會的結構界別正穩健地成長。

以上各項工作和活動得以順利完成全賴各會員及秘書處全人的投入及努力，多謝各位對學會所作的貢獻，本人謹此致意。

阮高馨

秘書長
阮高馨



▲ 卓越工程講座



▲ 二零一四年到訪澳洲分部



Chief Executive and Secretary's Report 2013/2014

Hong Kong's engineering community enjoyed another exciting year of outreach during Session 2013/2014. The HKIE Hi-Tech Fiesta 2014 was launched for the first time and attracted the participation of young and old alike with thousands of visitors stopping by the Kowloonbay International Trade & Exhibition Centre to take part, creating a carnival atmosphere as they learnt more about the engineering profession.

The HKIE has always been active in engaging the public through activities such as roving exhibitions and career talks. In the age when interactivity becomes much more important in our efforts to arouse public interest in engineering, the HKIE Hi-Tech Fiesta 2014 enabled members of the public to interact with us directly through such fun activities as game booths, robot workshops and model car racing. Two Distinguished Lectures were also organised to introduce to the public two topics that will impact on our future. Prof Li Deren, an Academician of the Chinese Academy of Sciences, Chinese Academy of Engineering (CAE) and Euro-Asia International Academy of Sciences, presented a talk on strategies to deal with Big Data in a smart city. The HKIE Past President, CAE Academician and Fellow of Royal Academy of Engineering, Ir Prof C C Chan presented a talk on how the spirit of Renaissance scientists and thinkers could drive the development and adoption of electric vehicles in the future.

To attract the attention and interest of the general public, the President's Protégés Club, future leaders of the profession, developed stories for two new promotional videos, "Perfect Living, All in Engineering" and "My Dream – Professionalism/Aspiration/Future". One of them relates to the stories of three children who became interested in engineering and grew up to become electronics, aircraft and structural engineers respectively. We hope these videos will help us attract the interest of young people who can relate to the experiences of the characters in the stories.

Apart from new initiatives, we also maintained momentum in other outreach activities, particularly in terms of media relations. During the Session, the Institution received a total of 213 media enquiries and interview requests. Our President, Ir Raymond Chan, spearheaded our effort to increase our media exposure, responding to media requests for information on topics ranging from career prospects to comments on Hong Kong's development and incidents with an engineering angle, thereby successfully keeping the HKIE in the public eye.

To strengthen our relationship with the media further, a Task Force on Media Communication was also established during the year, to co-ordinate the setting up of the HKIE Media Library. The functions of which are to providing the media with



▲ New Members Reception in May 2014



▲ Media Luncheon 2013

a comprehensive and readily available resource; and helping our Officers handle media enquiries.

On the learned society front, two major events were organised during this Session. One was the Shanghai and Hong Kong Symposium on Science and Technology, which was held in Shanghai in September 2013. The symposium provided an important platform for the exchange of technical knowledge and experience between the two cities. It was well-attended with more than 100 delegates, of which 44 came from Hong Kong. The other event was the International Conference on Post-disaster Reconstruction, the focus was to review our experience in post-disaster reconstruction. Held in November 2013 in Hong Kong, the conference was well-attended by more than 300 delegates from not just Hong Kong but also the Mainland, Taiwan, Japan and New Zealand. Many countries are susceptible to earthquakes and other natural disasters but engineering can play an important role in mitigating the impact of such events. The support of the HKIE Project Sichuan Trust Fund, Development Bureau of the Government of the HKSAR, Sichuan Academy of Science & Technology and the Chinese Academy of Science & Technology was crucial to the success of this conference.

The issues of land supply and the long-term social and economic development of Hong Kong dominated many discussions during the year. The HKIE contributed its professional views on these issues, through a briefing session on the Hung Shui Kui New Development Area and the setting up of a Task Force on the Consultation on Long Term Housing Strategy, to review, co-ordinate and formulate the Institution's submission on this subject. We also submitted our views on the North East New Territories New Development Areas project.

The HKIE has successfully established itself as the organisation to turn to for professional views on engineering matters. During the Session, the Institution also submitted views on a range of technical and environmental issues to the Government and Legislative Council. These include views on proposed Guidelines on Indoor Air Temperature and Humidity, the Mandatory Energy Efficiency Labelling Scheme, air pollution control and waste disposal, to name but a few. The Institution also contributed its views on a range of subjects that concern the wider public, including the 2014 Policy Address and the 2014-15 Budget. A forum jointly organised with the Engineering Forum was also arranged to discuss the "Consultation Document on the

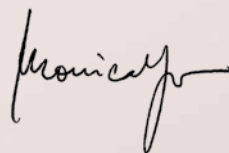
Methods for Selecting the Chief Executive in 2017 and for Forming the Legislative Council in 2016".

Maintaining the standard of the profession has always been an important function of the Institution, which in recent years has worked hard on the switch towards competence-based assessment and outcome-based accreditation, in line with international trends. The transition has been smooth and the Session saw the first and second outcome-based accreditations conducted at the Hong Kong University of Science & Technology and the University of Hong Kong respectively. A total of 38 engineering degree programmes were evaluated during these accreditation visits.

Following our successful out-of-jurisdiction accreditation of engineering degree programmes at the University of Macau, we have paid a preliminary visit to the Macau University of Science & Technology, to give advice on its Bachelor of Science in Information Technology programme to facilitate their preparation of the programme to meet the accreditation criteria for HKIE's computer science programmes.

Finally, there is good news from the Structural Discipline. Thirty-two members of the Discipline passed the Legal and Regulation Test organised by Guangdong Province in September 2013, making them eligible to register for practice as 1st Class Registered Structural Engineers and establish engineering design firms in Guangdong under the CEPA arrangement. So far a total of 82 members of the Structural Discipline have passed this test and they can now apply to the Ministry of Housing and Urban-Rural Development for setting up engineering design firms in the province. The Discipline is growing strongly: 328 candidates sat for the HKIE Structural Examination in November 2013, a record high for the past five years.

All these activities were successfully organised thanks to the dedication and hard work of our members and the Secretariat. I would like to extend my sincere gratitude to you all for contributing so much to the Institution.



Monica YUEN
Chief Executive & Secretary



▲ Education and Careers Expo 2014



▲ Hi-Tech Fiesta 2014