

# 秘書長報告2011/2012

在二零一一／二零一二年度這繁忙的一年間，學會在多方面均取得卓越成就。

香港工程師學會一向與香港同步前進。在香港繼續發展成為高科技城市之際，學會亦不斷吸納更多會員和發展新的專業界別。在這一年間，航空和物流及運輸這兩個新成立的專業界別繼續茁壯成長。截至二零一二年六月一日，兩者分別有三百三十四名和一百三十九名創始會員。

學會理解仲會員希望盡快成為法定會員的殷切期望，所以，資歷評核政策委員會已成立專責小組，探討、發展及研究有效晉身專業工程師的途徑，協助仲會員晉身為法定會員。專責小組在審議有關草案後，已向二十個界別顧問小組提交兩項建議，以修訂現有的資深經驗途徑和發展另一條新的途徑。

由於學會會務正不斷拓展，現有總部的空間已不足以讓秘書處提供支援和應付會員對會議室的需求。二零一一年九月理事會在會議中通過臨時措施，即學會可購買地點靠近或位於金百利大廈而樓面實用面積不少於八百平方尺、成本不超過港幣二千萬元的物業以舒緩空間不足。

經行政政策委員會同意而成立的物業專責小組，正就學會會址作長遠的規劃及就有關安排與各分部溝通。理事會又同意應鼓勵會員捐款以籌集資金購買合適的物業作學會的新址。學會將由二零一二／二零一三年度開始收集捐款。為方便會員捐款，學會將預先在會費通知書上印上港幣五百元的捐款金額。

本年度學會繼續積極培養年輕一代的工程師，並透過舉辦各種活動推廣專業工程行業的優良前景。除了今年首推的「工程師駐校計劃」外，各項現有的活動和計劃亦成績美滿。當中，「學校大使計劃」招募了一百四十一名學校大使及提供了五十多個學校職業講座，合共超過八千四百名中學和大專院校學生參加。

學會的各項獎勵計劃及「教育及職業博覽2012」攤位均廣受歡迎。學會亦協辦「亞太廣播聯盟機械人大賽2012」——一個為亞太地區學生而設的生動有趣機械人大賽。參賽學生研製的機械人不單能以人工智能科技穿越隧道和橋樑，更可以攀爬包山奪取平安包。



除了刺激年輕人對工程的興趣外，學會繼續投放更多資源在學術評審、資歷評核，以及持續進修的工作上，為畢業生和在職會員提供更佳服務。

為配合「3-3-4」新高中學制，以及要與國際接軌，學會從新審視並修訂現行的工程學學位課程、計算機科學學位課程及高等文憑及同等學歷課程的學術評審準則，以符合華盛頓、悉尼和首爾協議要求的成果為本評估標準。學會又為各院校舉行了多個簡介會，說明成果為本評估標準的要求。

鑑於愈來愈多的大學和高等教育機構為旗下的工程相關課程申請學術評審，為提高成本效益，學會已採用以其中一所校園為總部集中處理該校所有學術評審事宜的做法。這項安排令負責評審的專家和秘書處同事的人數及外勤次數均大幅減少。

資歷評核政策委員會成立了工作小組，負責處理改用能力為本評估方法以評估執業專業人員的經驗及專業能力的工作。經過資歷評核政策委員會及理事會通過採用新西蘭工程師學會的能力為本評估系統後，第一階段的工作已經完成。資歷評核政策委員會原則上通過個別專業界別可以IELTS的英語測驗成績，加上較短的筆試代替選寫論文的考試要求。但IELTS水平的標準則有待制定。除了已獲通過的十二項通用能力指標外，各專業界別也可酌量增加所需的能力指標。

為鼓勵會員持續進修，隸屬持續專業進修事務委員會的工作小組著手為香港工程師學會的持續專業進修課程建立統一的數據庫管理系統。該系統的試點beta測試已在二零一一年十一月下旬推出。至於與持續專業進修課程供應商相關的第二階段工作，亦已在二零一二年四月開始。

我們的會員不單重視在工程專業上力臻完美，同時也致力以工程專業回饋社會。因此，學會繼續在三個不同層面造就會員貢獻社會，即向政府和各公共機構提供專業意見、與媒體合作及與社區各階層人士直接聯繫。

在政府和各公共機構的層面上，學會繼續提供工程界的專業意見。學會今年一共安排了七個論壇／研討會收集會員意見，議題涵蓋各種社會關注的問題，如香港國際機場2030規劃大綱、「註冊消防工程師計劃」及財政預算案。此外，學會一共向立法會及政府決策局提交十九份建議書，當中涉及不同議題，包括環境項目，如住宅樓宇的能源效益、室內空氣質素管理和節約用水，以至工務及其他項目，例如金屬棚架的安全守則、建造業工地監管人員職責範圍及強制驗樓計劃下的註冊檢驗人員專業服務收費等等。此外，學會又應西九文化區管理局的邀請，提名會員作戲曲中心設計比賽的督導委員會成員。

在與媒體的合作方面，截至二零一二年六月，學會共回應了四百二十項傳媒查詢，涵蓋廣泛的工程問題。學會在二零一一年八月於香港萬豪酒店舉行傳媒午餐聚會，約有四十名編輯和記者出席，並在二零一二年一月和六月，在《明報》分別刊登特稿歡迎學會的新會員。

在社區層面，學會與觀塘、九龍城和黃大仙區議會分別舉行會議。而個別會員就繼續以不同方式在社會中作出貢獻，無論是通過為四川災後重建提供專業意見，或為青年人的成長和就業作出指引，又或支持非政府組織的工作。許多香港工程師學會的會員都熱心參與義務工作，其中二十九名會員更榮獲香港工程師學會專業人士義工服務嘉許計劃的獎勵。

全賴各會員的鼎力支持、專業意見及為學會所付出的時間，令學會的各種工作，例如學術評審及資歷評核工作得以順利進行。本人衷心感謝所有一直全力支持學會發展的會員及秘書處的同事，我很高興與你們一同渡過了繁忙但豐碩的一年。

阮高聲

秘書長  
阮高聲



1. 中國科學技術協會代表團到訪
2. 公眾服務事務委員會及公共關係事務委員會與黃大仙區議會的交流活動
3. 「卓越工程建構優質生活」活動開幕禮
4. 二零一二年到訪學會加拿大分部

# Chief Executive and Secretary's Report 2011/2012

Session 2011/2012 was a hectic year in which much was achieved on multiple fronts.

In line with Hong Kong's evolution into an advanced technological society, the Institution has steadily grown to embrace more members and a wider array of disciplines. During the Session, the Aircraft and Logistics & Transportation Disciplines continued to grow from strength to strength; the former secured 334 as Founding Members as of 1 June 2012 while the latter admitted 139 as Founding Members as of the same date.

The Institution well understood the aspiration of Associate Members to become Corporate Members and a Task Force was set up under the Qualification & Membership (Q & M) Board to explore, develop and recommend an effective professional route for Associate Members to become Corporate Members. Two proposals – modification of the existing mature route and development of a new route – were put forward by the Task Force for the consideration of the 20 Discipline Advisory Panels.

Due to the Institution's healthy growth, it has been recognised that the existing headquarters is fast running out of capacity to cater to the demand for Secretariat support and meeting rooms. In September 2011 a Council meeting was held at which it was agreed that the HKIE would purchase suitable premises within or close to Island Beverley, with a saleable floor area of not less than 800 sq ft and costing not more than HK\$20 million; to overcome the space shortage as an interim measure.

The Task Force on Institution's Accommodation was set up following an Administration Board meeting to facilitate detailed planning on long-term accommodation and communicate the plan to Divisions. The Council agreed that members should be encouraged to make voluntary donations as a means to raise funds for purchasing the new accommodation. Collections will be made starting with Session 2012/2013, when payment advice sent out to members will include an item with a pre-printed amount of HK\$500.

The Institution's commitment to nurture younger generations of engineers was given impetus during Session 2011/2012 through various activities organised to highlight the attractive prospects of an engineering career. In addition to the "School Engineer Scheme", a new initiative introduced by the President, a number of existing programmes also reported a busy and successful year. These include the School Ambassadors Programme, which recruited a record 141 School Ambassadors to deliver more than 50 career and school talks in secondary schools and tertiary institutions, enabling us to reach more than 8,400 students.

Both the HKIE Awards and our participation in Education & Careers Expo 2012 were warmly received and the Institution is pleased to co-organise ABU Robocon 2012 Hong Kong, a fun



regional robot contest which engaged students from the Asia-Pacific region to build robots that could navigate tunnels and bridges and climb a bun tower to snatch lucky buns.

Apart from stimulating the interest of young people in engineering, much work was also invested in providing a better service to graduates and professionals through the Institution's accreditation and assessment services as well as the continuing education system.

Reflecting Hong Kong's switch to a "3-3-4" education system and international practice under the Washington, Sydney and Seoul Accords in the use of outcomes based accreditation, the existing accreditation criteria for engineering degree programmes, computer science degree programmes, and higher diploma and equivalent programmes were reviewed and revised. Induction talks on the new submission requirements for outcomes based accreditation were also conducted for the 2012 intake.

To improve the cost-effectiveness of the accreditation process in light of the growing number of universities and higher education institutions involved, the Institution has adopted a centralised approach whereby one campus is designated as the headquarters for all accreditation events. As a result of this arrangement, the number of visits required as well as the overall provision of expert team members and supporting staff have both been reduced.

For practising professionals, the switch to the competence-based approach in the assessment of experience and professional competence has been overseen by a working group under the Q & M Board. Phase I implementation of the approach was completed following the Board and Council's approval to adopt the competences and assessment system of Engineers New Zealand. IELTS plus shorter written tests as an alternative for elected Disciplines were approved by the Board, subject to a reasonable benchmarking for the IELTS Score. In addition to the 12 generic competences agreed, Disciplines may also add discipline-specific competences.

In terms of continuing education, a working group on "database establishment" was formed under the Continuing Professional Development (CPD) Committee for the purpose of setting up a consolidated database management system for CPD activities in the HKIE. Following a pilot test of the beta version, the system was launched in late November 2011. The second phase, involving also CPD course providers, commenced in April 2012.

Our members have always valued self-improvement as well as the social dimension of their work. Every effort therefore continues to be made to contribute to the community at three different levels; that is, by offering professional input to the Government and various public organisations, through co-operation with the media, and through direct interaction with the community or its representatives.

At the level of the Government and various public organisations, the Institution continued to respond to invitations for its professional input. Seven forums/seminars covering diverse subjects of concern, such as the Hong Kong International Airport Master Plan 2030, the Registered Fire Engineer Scheme and the Budget were organised for members' participation. A total of 19 submissions were also made to the Legislative Council and government bureaux on a diversity of matters, ranging from environmental issues such as energy efficiency for residential buildings, indoor air quality management and water conservation to industry and other issues such as code of practice for metal scaffolding safety, definition and scope of duties of site supervision personnel and professional input of

service fees for registered building inspectors under Mandatory Building Inspection Scheme. Also, at the invitation of the West Kowloon Cultural District Authority, nomination was made to the authority's Steering Committee for Xiqu Centre Design Competition.

In terms of co-operation with the media, the Institution responded to 420 media enquiries covering a wide range of engineering-related issues as of June 2012. Newspaper supplements were published in Ming Pao in January and June 2012 respectively to welcome our newly-admitted members and a media luncheon held at the J W Marriot Hotel Hong Kong was well-attended by about 40 editors and reporters.

At the level of the community, meetings with the Kwun Tong, Kowloon City and Wong Tai Sin District Councils were held respectively. Individual members continue to play an important role in serving the community, whether by lending their expertise to the reconstruction of Sichuan, mentoring young people or supporting the work of non-government organisations. Many members are keen volunteers and 29 were deservedly awarded for their community spirit under the HKIE Professional Volunteers Service Accreditation Programme.

The Institution itself cannot function so smoothly without the dedicated assistance of so many members who have lent their time and expertise in support of institutional functions such as professional assessments and course accreditation. My gratitude goes out to all of them as well as my Secretariat colleagues for making this busy Session such a rewarding one.



**Monica YUEN**  
Chief Executive and Secretary



1. New Members' Reception in June 2012
2. Visit by the Engineers Australia
3. Presidential Visit to the UK Chapter in 2011
4. Chief Executive and Secretary and the management of the Secretariat

*Photo Courtesy: URS / Scott Wilson*



*Photo Courtesy: Mr LEUNG Kai Chiu*