



## **Chairman's Report (Session 2018 – 2019)**

### **Building Services Division**

With tremendous support given by the Committee Members, Observers, Helpers and various Professional Institutions and partners, the Building Services Division (BSD) in Session 2018/2019 was an extremely busy but yet another fruitful year. I would like to wrap up the following key activities:

#### **1. Continuing Professional Development Activities**

The following major events were arranged or jointly arranged within the session:

- Stories of Women in Building Services Engineering was firstly held on 11 Jan 2019.
- Comprehensive Certificate Course on Fire Services System in Smart City 2018 organized in Oct/Nov 2018.
- Hong Kong Joint Symposium – “Innovative Technology Fusion for Next Challenging Century” was held on 21 Nov 2018.
- BS One Day Seminar 2019 – “New Horizons in BS Technology & Sustainability” was held on 12 Apr 2019
- China – Hong Kong Joint Symposium 2019 – “Building Technology Drive – We Go” has been scheduled in Jun 2019.
- Water Conference 2019 – “Innovation Water Management” has been scheduled in July 2019.

In addition to the above key events, BSD also successfully organised activities with 5 nos. of Professional Organisations and 10 nos. of HKIE's Inter-Divisions to form the synergy. More than 6,000 nos. of engineers are reached through the above activities.

## 2. Activities to enhance Member's Role and Professional Standing

BSD Committee Members actively served the society with the aim at providing our professional knowledge to various sectors. As quantified, in this Session, we have successfully participated in 41 nos. of nominations in various external Taskforces, Working Groups, Government's Consultation Boards, Panel and Committees etc.. Some of the nominations are highlighted below:

Building Authority	<ul style="list-style-type: none"> <li>Registered Inspectors' Disciplinary Board Panel under Section 5A of the Buildings Ordinance, Cap 123</li> </ul>
Buildings Department	<ul style="list-style-type: none"> <li>Technical Committee (TC) on Design and Construction Requirements for Energy Efficiency of Buildings</li> <li>Fire Safety Committee and Advisory Committee for the Fire Safety (Buildings) Ordinance and the Fire Safety (Commercial Premises) Ordinance</li> </ul>
Development Bureau	<ul style="list-style-type: none"> <li>Appeal Panel under the Construction Workers Registration Ordinance (Cap 583)</li> </ul>
Electrical and Mechanical Services Department	<ul style="list-style-type: none"> <li>Appeal Board Panel under the Builders' Lifts and Tower Working Platforms (Safety) Ordinance, Cap 470</li> <li>Disciplinary Board Panel under the Buildings Energy Efficiency Ordinance (Cap 610)</li> <li>Working Groups on Development of Best Practices for Operation and Maintenance of E&amp;M Assets</li> <li>Appeal Board Panel under the Lifts and Escalators Ordinance (Cap.618)</li> <li>Disciplinary Board Panel under the Lifts and Escalators Ordinance (Cap.618)</li> <li>Lift and Escalator Safety Advisory Committee</li> </ul>
Fire Services Department	<ul style="list-style-type: none"> <li>Advisory Committee under Fire Safety (Buildings) Ordinance, Cap 572</li> </ul>
Kowloon City District Council	<ul style="list-style-type: none"> <li>2018-19 年度九龍城區優質樓宇活動 - 優質樓宇管理比賽暨最佳環境衛生大廈選舉</li> </ul>
Urban Renewal Authority (URA)	<ul style="list-style-type: none"> <li>Committees / Task Force of Hong Kong Building Rehabilitation Facilitation Services Limited (HKBRFSL)</li> </ul>
CIC	<ul style="list-style-type: none"> <li>Task Force on Repair, Maintenance, Alterations and Additions (RMAA) Procurement</li> </ul>
Home Affairs Department	<ul style="list-style-type: none"> <li>The 21st Wong Tai Sin District Quality Building Management Competition</li> </ul>
Hong Kong Housing Society	<ul style="list-style-type: none"> <li>The Hong Kong Quality Building Assessment Panel (2019-2021)</li> </ul>
Hospital Authority	<ul style="list-style-type: none"> <li>Appeal Panel for Performance Appraisal System for Capital Works Contractors and Consultants</li> </ul>
HKIE HQ	<ul style="list-style-type: none"> <li>School Ambassadors 2018/2019</li> </ul>
HKQAA	<ul style="list-style-type: none"> <li>Quality Building Award 2020 Organising Committee</li> <li>Quality Building Award 2020 Subcommittee</li> </ul>
Vocational Training Council	<ul style="list-style-type: none"> <li>Training Boards of the Vocational Training Council</li> </ul>

- **Cooperation with local Universities, Government Departments and peer Institutions**

BSD has actively engaged in various activities being led by local Universities, Government Departments and peer Institutions including joint activities as Co-organiser, and Supporting Organization, attending coordination meetings, giving advice, offering joint effort on certain research studies with mutual interests, etc.

### **3. Young Engineers and Student Liaison Group**

The following arrangements were held to improve the involvement and communication with young engineers and students with brief highlight as follows:

- **Young Members Committee (YMC)**

This year, BSD was also delighted to continue delegate representatives to the YMC as speakers for the Young or Ready Series: Dialogue with Experienced Building Services Engineers which would be held in June 2019 with the aim at nurturing our young members to prepare their professional assessment. BSD is looking forward to having more events and is going to explore any new possibility of collaborating with our youngsters.

- **Student Liaison Group (SLG)**

Through this student organization under the Division, BSD has been offering a very close link with the students studying Building Services Engineering in all tertiary institutes. SLG has organised a lot of activities including promotion talks, presentation competition, career talks / experience sharing delivered by various BSD representatives from different sectors of the engineering industry to nurture the youngsters as well as giving friendly guidance via social activities such as bowling competition, site visits to Harbour City and Hysan Place etc. With the help from BSD Committee, SLG also participated in both singly and jointly with STEM Group in functions organised / initiated by HKIE-HQ such as Orbis Moonwalkers 2018, The HKIE Orienteering Fun Day and The HKIE Engineer Day.

- **Scholarships and Outstanding Student Awards**

In order to encourage more students studying building services engineering at the same time acknowledging students' academic achievement and involvement in engineering society activities, scholarship was awarded to students from The Hong Kong Polytechnic University and The City University of Hong Kong. Outstanding Student Awards were also presented to different Universities and IVE students studying building services engineering. In this Session, the numbers of award have been increased from four to six so as to give more encouragement to students.

- **University / Secondary School Talks by STEM Group**

Our Committee Members also contributed to the School Ambassador Programme by delivering talks on “Get Ready to be an Engineer” as well as Introduction of HKIE and related Engineering Disciplines to students studying in Universities and Secondary Schools so as to familiarize with the engineering industry.

#### **4. Volunteer Work**

With the great support from Committee Members, the following volunteers work was conducted in this session:

- **In association with the Hong Kong Federation of Youth Groups (HKFYG)**

BSD worked with the HKFYG and helped to as initial Judging Panels for the Hong Kong Student Science Project Competition 2019 which was held on 23 March 2019.

#### **5. Social Activities**

The following social activities were arranged and well received:

- The Eco Tour “遊「龍」跳「躍」－歷史行” was held on 12 Jan 2019.
- A Photo workshop is scheduled in June in 2019.

#### **6. Sustainability Engineering Specialist Group**

Sustainability Engineering Specialist Group has continued to collaborate with other HKIE Divisions and external organizations to promote sustainability engineering to our members and the society as a whole. BSD organised the HKIE- BSD One Day Seminar jointly with The Hong Kong Polytechnic University - Department of Building Services Engineering, with the Theme on “*New Horizons in BS Technology & Sustainability*” on 12 April 2019.

Smart, green and resilient technologies would be the key for the design, construction and operation of future building services system. Externally, the Division is a strong supporter for practicing Retro-commissioning (RCx) in the industry. BSD is also a supporting member of the EMSD’s RCx technical training and registration scheme with the aim at building the capacity of RCx within our members. Our other activities to promote wider adopting of sustainability engineering including CPD courses, seminars, workshops and technical visits.

## **7. BIM Task Group**

BSD BIM Task Group organised various activities in the past years including Technical Seminars on Application of BIM in Project Management of Current Building Construction Project, Technical Visits to CIC's BIM Centre and CITA Centre etc. to promote and support BIM adoption in the Building Services industry.

Besides, Headquarters of HKIE established a HKIE BIM Committee to develop BIM standards and practice for engineering industry with focus on project management across multi-disciplines. BSD was invited to delegate a representative as the member of HKIE BIM Committee. For initial stage, the “Standard BIM Execution Plan for Building Services” was prepared with joint effort from BSD BIM Task Group members and has been issued to HKIE BIM Committee for ongoing review and development.

Recently HKIE BIM Committee established a Task Force on BIM and invited BSD as the one of Task Force members in order to develop a Practical Guide “Project and Asset BIM Application Manual”, which would include the application of BIM through the project life cycle and is targeted to be issued in 2019.

## **8. Lifts and Escalators Specialist Group (LESG)**

As Lift and Escalator is a crucial part of the building services engineering, the aim at establishing this Specialist Group is to provide a platform for divisional members to enrich their knowledge in Lift and Escalator engineering technology and vice versa for Lift and Escalator Engineers to learn about other areas of building services engineering. Technical Seminar on “Experience Sharing in Lifts Accident and Investigation with Case Studies was successfully held on 3 Dec, 2018 with overwhelming response was received.

## **9. Establishment of Various Specialist Groups**

Besides the establishment of Sustainability Engineering Specialist Group, the following specialist groups were also established in this Session to promote the best practices:

### **Women in Engineering Group**

In order to support the Task Force on Women in Engineering (TF-WIE) set up by Headquarters, HKIE-BSD established the “Women in Building Services Engineering (WBSE) Group” recently to echo the Theme and provided a platform to facilitate the development of WIE in BS field.

The first gathering of WBSE was a casual dinner sharing. With overwhelming response received, it was successfully held in the Craigenower Cricket Club, Happy Valley on 11 January 2019 with full house attendance of 44 Engineers participated including Guest Speakers, guests and most of them were women engineers. The seven (7) Speakers shared their stories with challenges, difficulties, tears and joy as female faced throughout their career development. They also gave some tips to our BS women engineers and encouraged them to look for their dream in the engineering industry. The gathering was just a kick-off. The WBSE group would organize more different activities so as to promote gender balance with women engineers in the near future.

## **STEM Group**

STEM Group comprised of BSD Committee Members and young engineers to promote BS engineering among secondary and tertiary educational Institutions or Universities. BSD-STEM Group Members actively arranged for technical visits, i.e. Hysan Place, Harbour City, etc. and participated in engineering events, i.e. VTC-STEM Summer Camp and The HKIE Engineer Day so as to provide opportunities for youngsters to thoroughly understand BS Engineering in different perspectives. BSD also went into the classrooms of Secondary Schools, i.e. The Chinese Foundation Secondary School and Tak Shun Secondary School, to introduce the bright prospects of BS engineering and invited students to prepare for joining BS industry through selecting appropriate subjects and programmes in further education.

## **10. Summing Up**

I would like to take this opportunity to express my heartfelt gratitude to all Committee Members, Observers, Helpers, Student Liaison Group Committee Members, Co-opted Members and those from peer Divisions and Institutions who have exerted their effort and tremendous support to our activities to make it so successful. Also, I would like to appeal again for their kind and dedicated support continuously to further enhance our Division's services to members in future years.

Ir Brian WL CHENG  
Chairman, Building Services Division  
(Session 2018 – 2019)

Date: 15 Apr 2019