



Chairman's Report (Session 2019 – 2020)

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 2019/2020 was an extremely busy especially our works on COVID-19 but yet another fruitful year. I would like to wrap up the following key activities:

1. Continuing Professional Development Activities

1.1 Building Services Engineering Against COVID-19

Webinars on Building Services Installation

In light of the outbreak of novel coronavirus (COVID-19), the HKIE BSD co-operated with the Construction Industry Council to co-organise webinars on ways to explain how to design and operate building services installation for preventing and control the spread of coronavirus in buildings. Professional engineers were invited to share their practical experience and insights in the design of air-conditioning, ventilation, plumbing and drainage systems. Our members could access the webinars from home or office and chat with the speakers in a short series of interactive webinars. There were over 1500 participants. The feedback was very positive.

Building Maintenance and Repair Booklet

Moreover, we had reviewed and updated the two sessions i.e. Plumbing and Drainage, Lift and Escalator, of HKIE's Building Maintenance and Repair booklet to prevent and control the spread of disease in buildings.

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

- Stories of Women in Building Services Engineering was scheduled in Jun 2020.
- Comprehensive Certificate Course on HVAC&R System in Building 2019 organized in Oct/Nov 2019.
- Hong Kong Joint Symposium – “Innovations for Smart Performance Buildings in Hong Kong & Greater Bay Area” was scheduled in Nov 2020.
- BS One Day Seminar 2019 – “The Endless Journey in Exploring Building Services Development and Sustainability” was scheduled in Nov 2020
- Macao – Joint Symposium 2020 – “Multiple Technologies for Building Energy Performance Improvement – Part 1” was scheduled in Jun 2020.

In addition to the above key events, BSD also successfully organised activities with 5 Professional Organisations and 2 HKIE’s Inter-Divisions to form the synergy. More than 6,000 engineers were 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 successfully participated in 5 nominations in various external Taskforces, Working Groups, Government’s Consultation Boards, Panel and Committees etc.. Some of the nominations were highlighted below:

No	Organisation	Board/ Committee
1	Urban Renewal Authority	Committees/ Task Force of Hong Kong Building Rehabilitation Facilitation Services Limited
2	Water Supplies Department	Continuing Professional Development Course Panel under Advisory Board on Licensing of Plumbers
3	Environmental Protection Department	Task Force on the Pilot Scheme for Electric Public Light Buses
4	Vocational Training Council	Electrical & Mechanical Industry Recognition of Prior Learning Working Committee
5	Home Affairs Bureau	Appeal Board Panel of the Amusement Rides (Safety) Ordinance

Cooperation with local Universities, Government Departments and peer Institutions

BSD 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 activities were held to enhance 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: A Route to become a Professional Building Services Engineer (Jointly Organized by YMC and BSD) on 22 Oct 2019 with the aim at nurturing our young members to prepare their professional assessment. BSD hoped to have more events and they would explore new possibility of collaborating with our youngsters.

- **Student Liaison Group (SLG)**

Through this student organization under the Division, BSD offered a very close link with the students studying Building Services Engineering in all tertiary institutes. SLG had planned to organise 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 and site visits. Yet, because of the social unrest and the outbreak of coronavirus, most of the activities could not be conducted except the promotion to tertiary institutions.

- **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 would be awarded to students from different Universities/Thei and IVE students studying building services engineering. The number of award was increased to six starting so as to give more encouragement to students. Due to the outbreak of coronavirus, the invitation is pending.

4. Volunteer Work

With the great support from Committee Members, BSD worked with Hong Kong Federation of Youth Groups (HKFYG) and would participate in Judging Panels for the Hong Kong Student Science Project Competition 2019 which was originally scheduled on 21 March 2020. It was postponed to 15 August 2020 due to COVID-19.

5. Social Activities

Eco Tour “訪遊邊境『馬草壟』·探索屏山文物徑” was successfully held on 18 Jan 2020 and well received by the participants.

6. Sustainability Engineering Specialist Group

The Sustainability Engineering Specialist Group (SESG) continued to collaborate with other HKIE Divisions and external organizations to promote sustainability engineering to our members and the society as a whole.

This year, SESG supported to jointly organise the Joint Comprehensive Certificate Course with ACRA, ASHRAE-HKC, BSOMES and CIBSE-HKB during 15 October to 26 November 2019. The three lessons covered by BSD were on sustainable, MiC and resilient design of HVAC systems.

HKIE-BSD One Day Seminar jointly organised with The Hong Kong Polytechnic University - Department of Building Services Engineering, with the Theme on “The Endless Journey in Exploring Building Services Development and Sustainability” was originally scheduled on 22 April, 2020 and was now postponed to Q4 this year due to the outbreak of COVID-19.

Externally, the Division supported the launching of Retro-commissioning (RCx) Training and Registration Scheme by HKGBC. BSD was a supporting member of the Scheme to build up capacity of our members through relevant training courses to fulfil the training requirement of the registration scheme.

7. BIM Task Group

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.

HKIE BIM Committee established a Task Force on BIM and invited BSD as the one of Task Force members. HKIE BIM Committee arranged a training workshop for the Task Force members in Aug 2019 to facilitate developing a "Project and Asset BIM Application Manual". HKIE-BSD had issued the BS opinions in Oct 2019 relating to the sample project of School and Tunnel to HKIE BIM Committee for consolidation.

In addition, HKIE accepted to be supporting organization for The Second BIM-CIM Innovation Competition for College Student in Guangdong – Hong Kong – Macao Area 2019, organized by 廣東省住房和城鄉建設廳, which was conducted on 7 Dec 2019. A one-day conference of BIM-CIM was proposed to carry out in Q1 of 2020.

8. Lifts and Escalators Specialist Group (LESG)

As Lift and Escalator was a crucial part of the building services engineering, LESG was established 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. A dedicated WhatsApp Group including some experienced practitioners of Lifts and Escalators industry was set up for effective communications and exchange of views periodically.

9. Establishment of Various Specialist Groups

Besides the establishment of SESG and LESG, 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.

Subsequent to the first gathering of WBSE held on 11 January 2019, another joint gathering with ASHRAE Hong Kong Chapter and CIBSE HK Branch originally scheduled in early April 2020 but postponed to June 2020 due to outbreak of COVID-19. The theme for the event will be “入得厨房，出得工程”.

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 participated in engineering events so as to provide opportunities for youngsters to thoroughly understand BS Engineering in different perspectives. HKIE-BSD - STEM Group successfully delivered two (2) Sharing with IVE Tsing Yi Campus on 24 July 2019 and 14 Aug 2019 separately.

10. Promote the Engineering Profession to the Public

To promote the engineering profession to the public and particularly to the potential job seekers, BSD would submit the following articles to present the professionalism and successful stories of building services industry via HKIE Headquarters. These articles would be posted in the on-line platform of Classified Post and JobsDB.

- From a kid to an engineer
- Renewable Applications in Hong Kong
- Effective Implementation of Building Energy Management in Mega Size of Properties Portfolio
- Application of Building Information Modelling

11. Summing Up

During this session, Hong Kong faced social unrest and the outbreak of COVID-19, which spread internationally as well as locally. These caused tremendous impacts on transportation and social activities of the people. Taking into consideration of our members' health and safety, we had reluctantly postponed or cancelled some of our planned activities. 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 had exerted their effort and gave tremendous support for making activities so successful. Further, I would like to appeal again for their kind and dedicated support continuously to further enhance our Division's services to the members in future years.

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Session 2019 – 2020

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