



Chairman's Report (Session 2021 – 2022)

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 2021/2022 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

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

- Young Connect Series – Get a Taste of Fencing was held on 8 October 2021
- Joint Comprehensive Certificate Course on Electrical System in Building 2021 was held on 28 September 2021 to 18 November 2021 with 12 sessions by webinar.
- Hong Kong Joint Symposium 2021 – “New Generation and Technology Application for Future Engineering Challenge” was held on 17 November 2021.
- Women in Engineer – DIY Essential Oil Perfume Workshop was held on 20 November 2021
- Joint Course on Drainage Design, Installation and Maintenance for Buildings was held on 30 November 2021 and 7 December 2021.
- Technical Seminar on “Design, Installation and Certification of the Healthcare Engineering Systems in Private Healthcare Facilities” was held on 10 December 2021 via Zoom Webnair.
- Joint seminar “Fault Detection and Diagnosis in HVAC Systems using Big Data Analytics” was held on 30 Dec 2021 via Zoom Webnair.
- BS One Day Seminar 2022 – “Engineering the Future in Building Services and Sustainability” was held on 4 March 2022 via Zoom Webnair .

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 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	Water Supplies Department	Continuing Professional Development Course Panel under Advisory Board on Licensing of Plumbers
2		Technical Committee on Plumbing
3	Buildings Department	Registered Inspectors’ Disciplinary Board Panel under Section 5A of the Buildings Ordinance, Cap 123
4		Selection Panel for Mandatory Building Inspection Scheme and Mandatory Window Inspection Scheme
5		Fire Safety Committee (FSC) and Advisory Committee for the Fire Safety (Buildings) Ordinance and the Fire Safety (Commercial Premises) Ordinance (ACFSO)
6	Electrical and Mechanical Services Department	Disciplinary Board Panel under the Lifts and Escalators Ordinance, Cap 618
7		Electrical Installations Best Practice Working Group
8		Appeal Board Panel under the Lifts and Escalators Ordinance, Cap 618
9	Fire Services Department	Fire Safety Standard Advisory Group
10		Ventilation Liaison Group
11	Construction Industry Council	2022-2023 年度課程顧問組成員 消防系統課程顧問組 空調製冷課程顧問組
12	Employees Retraining Board	Electrical & Mechanical Services and Construction Industry Consultative Network
13	The Hong Kong Polytechnic University	Advisory Committee on Building Environment and Energy Engineering

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.

- HKIE BSD as Supporting Organization for “Invitation on the Global Building E&M AI Challenge” by EMSD.
- HKIE BSD attended the 15th Communication Meeting with ArchSD on 1 Dec 2021.
- Joint Student Chapter Building Services Career Talk organized by Poly U on 12 April 2021
- HKIE BSD provided professional advice for ArchSD – General Specification for Building 2022 Edition on March 2022

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 12 Jan 2022 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 Outstanding Student Awards 2022 was held and the short list interview was conducted on Jun 2022 via physical or zoom webinar.

4. Volunteer Work

With the great support from Committee Members, BSD worked with various institutions and organizations for public volunteer works. However, due to COVID-19 and minimise public physical contact, the volunteer works was postponed to later suitable time.

5. Social Activities

Eco Tour “奇石漁村地質之旅 - 馬屎洲三門仔” was scheduled on 22 Jan 2022 but due to 5th covid-19 pandemic wave, it regret that it was postponed to later suitable time slot.

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.

SESG has been connected to the HKIE-SDG Taskforce to promote SDG in engineering design and created influence on the general public. The Chair of SDG Taskforce was invited to give an update on the work done by the task force to the HKIE-BSD Committee on 29 Dec 2021

7. The Excellent Building Award

This is the 1st Excellent Building Award organized by the Building Services Division . It aims to encourage and reward the excellent building projects which adopted advance or best effective building services to achieve this excellence. The Launching Ceremony of the Excellent Building Award 2023 was held on 27 May 2022.

8. Institution and Joint Institution Activity

1. The HKIE BSD 33rd Anniversary Dinner was held on 2 Nov 2021 at JW Marriott Hotel. Mr. Wong Kam Sing, Secretary for the Environment was invited as the Guest of Honour of Anniversary Dinner.
2. A Joint Institutions Networking Lunch was held on the morning of 2 October 2021. The Joint Institution Sport Tournament was jointly co-organized by the Building Services Division of the Hong Kong Institution of Engineers (HKIE-BSD) with other three Institutions (ASHRAE, CIBSE IFE-HK Branch).

9. Various Specialist Groups

Besides the SESG and LESG, the following specialist groups were also worked 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) by Headquarters, HKIE-BSD has the “Women in Building Services Engineering (WBSE) Group” to echo the Theme and provided a platform to facilitate the development of WIE in BS field.

Women in Building Services Engineering (WBSE) - DIY Perfume Workshop cum WBSE Experience Sharing was successfully held on the morning of 20th November 2021. The event was well-received by over 30 members coming from different Building Services engineering sectors: Institutions, Consultants, Contractors, Government Sectors and Public Utilities etc.

Apart from the DIY Perfume Workshop with various types of therapeutic-grade essential oils available for participants to create roll-on crystal perfume on their own secret recipe, a WBSE Experience Sharing session took place. Participants exchanged views and suggested ways on the following three perspectives:

- Images and Roles of Women Engineers;
- Improvements of Current Conditions and the Ways to Encourage Female Entering the Engineering Industry;
- Future Trends of Construction Industry and Succession

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.

1. HKIE-BSD successfully delivered a HKWMA Chu Shek Lun Sec School on 3 March 2022 with the Theme “數碼技能引領專業發展”
2. A Dialogue Session via webinar was held on 13 May 2022 with a primary student for his invention “U 型隔氣補水好幫手” for helping to combat the epidemic to offer profession advice to the student on the feasibility of the proposed device.
3. HKIE BSD acted act guest speakers for a BS Career Talk to the university student from CityU, HKU, PolyU, UST, IE and CUHK on 12 April 2022 for the BSD introduction, scheme A training, membership, BS career path and experience sharing. It is a great chance to promote the BS to university students.

Young Engineers Group

To better connect young engineers in the building services industry, the Building Services Division has initiated to organise a series of events that will provide opportunities for young engineers to expand their horizon and to experience something special together and Fencing demo class was held on 11Oct 2021.

During the class all the participants have spent lots of efforts to learn the right posture and technique for a good fight against others. Communications between engineers were facilitated. Smiles of satisfaction were shown on the face of every participants after the class.

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, such as ‘Building Services Engineers – To Build and to Serve’

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11. Public Education and Support to again COVID-19 Pandemic

11.1 HKIE BSD jointly with three institutions has designed and published home epidemic prevention posters with four Language to help epidemic again covid-19 regarding drainage and ventilation aspects on 25 January 2022. It aim to educate public how to prevent vertical transmission of the virus and translated them into English, Nepali, and Filipino for foreigners who do not understand Chinese for easy reading.

11.2 Donation to Pei Ho Counterparts

In supporting Hong Kong’s anti-pandemic battle, HKIE BSD has donated HKD20,000 for ‘基層贈飯, 齊心抗疫” on 10 April 2022 to Pei Ho Counterparts, owned by the big-hearted restaurant owner “Ming Gor” who would further delivery charity meal to vulnerable communities amid the fifth wave of the pandemic. HKIE BSD aimed to call on the public to support the grassroots as the pandemic situation continues to worsen.

12. 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.

Ir Raymond Tam
Chairman, Building Services Division
Session 2021 – 2022