

FIRE DIVISION

ANNUAL GENERAL MEETING of the HKIE FIRE DIVISION CHAIRMAN'S REPORT (Session 2024-2025)

I am honored and pleased to serve as the Chairman of Fire Division for Session 2024/2025. I would like to extend my sincere appreciation to all our Past Chairmen and Committee Members for their exemplary leadership, commitment, unwavering support and great contribution to the success of the Fire Division.

The Fire Division is committed to promoting the adoption of Fire Engineering Design and the Registered Fire Engineer Scheme. We worked closely with local universities to offer top-up opportunities for young engineers and current members in achieving the academic qualifications to join our Discipline as a Professional Fire Engineers. Various technical visits, seminars and learned society activities had been organized in this session for the members of Fire Division to participate, connect and contribute to the society and engineering industry.

In response to the mandatory Continuing Professional Development (CPD) requirement for Corporate Members of the HKIE, the Fire Division has made our endeavor to provide members with various CPD activities. Please refer to **Appendix A** for a summary of Fire Division's activities, which included technical talks, visits and seminars for the session 2024/2025. Highlights of some of the major activities are appended below: -

AGM of Session 2023/2024

The AGM of Session 2023/24 was held on 9th May 2024 and I took over the chairmanship from Ir Anthony W K PAU.



Composition of the Committee, Session 2024/2025

Committee Members	
Ir Prof. S L CHAN	Chairman and LSB Representative
Ir Anthony W K PAU	Immediate Past Chairman
Ir Angus C Y WONG	Deputy Chairman and PSC Representative
Ir Davy Y K LAU	Hon Secretary
Ir Dr. S K LAI	Hon Treasurer
Ir Dr. Alfred M FONG	Committee Member
Ir Gary P Y IU	Committee Member
Ir Kelvin P F TSANG	Committee Member
Ir Horace H C LAM	Committee Member
Ir Gary G H AU	Committee Member
Ir Kennis S Y WAN	Committee Member
Ir Dr. CAI Yancheng	Committee Member
Ir K V VONG	Committee Member
Ir Kenith K K HO	Committee Member
Ir Gerald KWOK	Committee Member
Ir Gerald T K LEE	Committee Member
Ir Wayne T K HUNG	Committee Member, Young Member
Ir Dennis N H POON	Committee Member, Young Member
Ir Sunny H C WONG	Committee Member, Young Member
Ir C K LAU	Ex-officio Member (Discipline Representative)
Mr. Roger H W PANG	Ex-officio Member (YMC Representative)
Ir Dr. Fiona TSUI	Ex-officio Member (Council Member (Division))
Ir Dr. K C LAU	Ex-officio Member (SSC Representative)
Mr. Johnny W L SHING	Ex-officio Member (AMC Representative)
Ir Terrance W H TSANG	Co-opted Member
Ir Eric W T LEE	Co-opted Member
Ir W M YUNG	Co-opted Member

Fire Division Committee Meetings

To discuss various affairs of the Fire Division, a total of ten Divisional Committee Meetings were held from July 2024 to April 2025.

Continuing Professional Development (CPD) Courses

With the lead of Ir Kennis Wan, we have successfully organized a series of CPD courses to cover six domains for fire safety engineering including (1) fire science; (2) active fire protection measures; (3) passive fire protection measures; (4) human psychology and physiology; (5) law, regulations, and standards; and (6) fire risk management.

This year, CPD training course which consists of six lectures has been successfully held between 17th February and 31st March 2025 with total attendance of more than 500 persons. In addition, all these lectures were delivered by 14 distinguished professionals of the industry. In particular, it is also our honour to have great support from the Fire Services Department and Buildings Department for having their representatives in the lectures and shared with us the latest fire safety requirements on respective aspects, including the *Fire Safety Requirements for Data Centres and Battery Rooms* and the recent updates & interpretation on *Code of Practice for Fire Safety in Buildings 2011*.



Urban Renewal Authority (URA) – Home Safety Improvement Community Program

The Fire Division was invited by the Urban Renewal Authority (URA) to participate in the launching ceremony for the Home Safety Improvement Community Programme (HSICP) on 25th September 2024 and gave a brief sharing about home fire safety in the event. The HSICP in partnership with community organisations in Kowloon City, Central and Western District, Kwun Tong, Sham Shui Po, and Yau Tsim Mong to provide home safety solutions with essential safety and fire protection facilities for free to the needy elderly and underprivileged families, including those living in sub-divided units and ethnic minorities.

Furthermore, in order to enhance Home and Fire Safety for Underprivileged Families in old districts, the Fire Division had participated in the HSICP by providing fire safety advice for developing customised solutions for beneficiary families to improve home safety, offering guidance on increasing safety awareness and providing Volunteer Briefing Sessions.



Offer Professional Views to the Government Departments for Fire Safety Aspects

Representatives of the Fire Division had attended various meetings organizing by Government Department and offered our views on different topics:

- Legislative Council meeting with deputations regarding the **Fire Safety (Buildings)(Amendment) Bill 2024** on 21st September 2024 in the LegCo Complex
- Fire Services Department regarding “**Establishment of One-stop Coordination Office for New Fire Protection Facilities Acceptance of Fire Services Department (FSD)**” on 29th October 2024, and 21st November 2024
- Housing Bureau’s meeting regarding consultation on the “**Proposed Regulatory Regime on Basic Housing Units (BHU)**” on 29th November 2024 and “**Cost Saving in Construction**” on 7th February 2025

Registered Fire Engineer Scheme

The Fire Division had coordinated with the FSD for arranging webinar session regarding “*Introduction of the Registered Fire Engineer Scheme*” on 19th March 2025 to update our members about registration requirements, duties of RFE and regulatory mechanism in order to keep our members posted on the latest development of this Scheme.

Seminar Session to Property Management Services Authority (PMSA)

The Fire Division had participated in the licensing regime by providing a seminar of “Fire Risk Management Plan” to the Tier-1 class of property management practitioner as well as joining the webinar on Property Management Industry Licensing Regime and Regulatory Measures. The PMSA is the statutory body established under the Property Management Services Ordinance (Cap. 626) and aims to encourage and assist property management (PM) companies and PM practitioners (PMP) in striving for enhancement in professionalism and quality.



17th HKIE Fire Division Annual Dinner

The Annual Dinner was successfully held on 27th March 2025 at the Crowne Plaza Hong Kong Kowloon East. A keynote speech was delivered by the Principal Guest of Honour Ir CHOW Hau-keung, Vincent, JP, Deputy Director/Trading Service of EMSD, HKSAR Government.

Prominent guests and professionals joined this Annual Dinner and told the good stories of fire engineers. All the participants were happy and experienced pleasure in this particular circumstance.



Strengthen Technical Exchange, Experience Sharing and Deepen Knowledge of Fire Safety among Members

In this session, Fire Division had actively organized/participated multiple technical visits and occasions for the members as follows:

1. “Fire Asia 2024” – International Conference

Fire Division co-organized this triennial event from 10th to 12th July 2024. “Fire Asia 2024” addressed a range of topics, including performance-based design, cutting-edge technology in safety engineering, and emergency response management. Distinguished speakers from abroad, the Greater Bay Area, and local experts shared their valuable insights during the three-day conference.



2. **Technical visit to Galaxy Macau** on 2nd November 2024. During the tour, representatives from Galaxy and AECOM guided our members through Galaxy Phase 1, 2 & 3 which have adopted the International Building Code (IBC) for the fire and life safety design.



3. **Technical visit to Kai Tak Sport Park** on 19th November 2024. During the tour, the fire engineering design for the Kai Tak Sports Park, including the main stadium, was introduced to members.



4. **Technical visit to the Tseung Kwan O Desalination Plant** to be held on 26th April 2025. During the tour, the design of Fire Services Installations (FSI) would be introduced to members.

Annual Technical Delegation 2025 to Chengdu and Chongqing (成都及重慶)

The Fire Division will send a delegation to Chengdu and Chongqing from 16th to 20th May 2025 to discover recent developments and applications in fire safety across Mainland China. The visit aims to enrich participants' knowledge of state-of-the-art fire engineering technology, fire safety, and firefighting operations. It will also provide valuable networking opportunities with fire professionals in Chengdu and Chongqing. Furthermore, the delegation will be visiting the Sichuan Fire Research Institute, where delegation can explore cutting-edge research and advancements in fire safety and emergency management; the newly developed Chengdu Tianfu International Airport, a marvel of modern aviation that stands as a testament to Mainland China's rapid infrastructural development; and explore Raffles City Chongqing, an architectural wonder that seamlessly blends retail, residential, and commercial spaces, offering breathtaking views of the city.

16th HKIE Fire Division Annual Symposium 2025

The Annual Symposium 2025 of Fire Division will be conducted on 13th May 2025 at the Hong Kong Convention and Exhibition Centre. The main theme of the Symposium is "Global Innovations in Fire Safety: Collaborating for Excellence". This year, we are honored to have Ms. Lillian CHEONG Man Lei, JP, Under Secretary for Innovation, Technology and Industry Development to be the Principal Guest of Honour. Prominent speakers from two overseas/mainland professional/scholars and six local professional/scholars have been invited to present interesting technical papers, share their valuable experiences and insights with local experts in the Symposium.

Promotion to Youngsters

Fire Division nominated two committee members, Ir Sunny WONG and Ir Angus S P WONG to follow up the action items suggested by the Task Force under PSC on promoting engineering education to secondary school students in Hong Kong. In addition, YMC introduced a scheme, namely “Young or Ready Series”, which was set to help young members to decide and equip themselves to the route of a professional engineer in different disciplines. YMC would like to collaborate with FE Division for promoting the scheme.

HKIE Boards, Committees and Taskforces

The Fire Division also plays an active role in the Institution with committee members serving in the following Board and Committees.

- (i) Learned Society Board – Ir Prof. S L CHAN
- (ii) Public Services Committee – Ir Angus C Y WONG
- (iii) Continuing Professional Development Committee – Ir Dr. S K LAI
- (iv) Young Members Committee – Mr. Roger H W PANG
- (v) Qualification & Membership Board – Ir C K LAU
- (vi) Taskforce Group of Hydrogen – Ir. Prof. Eric LEE

Future Additional Focus

The Fire Division will continue to strive for the following foci:-

- (i) Continue to enhance our collaborations with the trade, government departments and other fire professionals;
- (ii) Develop fire safety engineering knowledge with more research efforts;
- (iii) Encourage more young individuals to participate in fire safety engineering;
- (iv) Enhance the liaisons with Mainland China and overseas fire professionals;
- (v) Promote Public Awareness of fire safety, educating communities on prevention measures and emergency response; and
- (vi) Work closely with regulatory bodies to address challenges in fire safety regulations, advocating for policies that enhance safety standards without compromising innovation.

Last but not least, I would like to thank all committee members of the Fire Division for their great support and assistance throughout the entire Session, and wish the Division would achieve better achievements in the Sessions to come.



Ir Prof. S L CHAN
Chairman (Session 2024/2025)
The HKIE Fire Division

ACTIVITIES OF FIRE DIVISION 2024/2025

Date	Type of Activity	Name of Activity	Organizer(s)
19.10.2024	Visit	Technical Visit to “R&R Fire & Sound Proof Building Materials Ltd”	HKIE Fire Division
29.10.2024	Seminar	Certification Standards of Hanger Materials of MEP Supporting System Under Fire and Vibration Conditions	HKIE Fire Division
2.11.2025	Visit	Technical Visit to Galaxy Macau	HKIE Fire Division
4.11.2024	Seminar	Briefing session for Volunteer of Home Safety Improvement Community Programme	HKIE Fire Division, Urban Renewal Authority
9.11.2024	Seminar	Fire Services & Plumbing Systems 2024/25	HKIE Fire Division, The Institution of Fire Engineers (HK Branch), The Chartered Institute of Plumbing and Heating Engineering (HK Branch)
19.11.2024	Visit	Fire Division Technical Visit – Kai Tak Sport Park	HKIE Fire Division
12.12.2024	Seminar	Technical Talk – Why Switch to Inert Gas Extinguishing System from Chemical Gas Extinguishing System	HKIE Fire Division, Hong Kong Metropolitan University
9.1.2025	Seminar	New Fire Rating Requirement which affects Sustainable Products	HKIE Fire Division, Hong Kong Institute of Architects
11.2.2025	Seminar	Property Management Industry Licensing Regime and Regulatory Measures	HKIE Fire Division, Property Management Services Authority
17.2.2025	CPD Course	Fundamentals of Fire Science and Dynamics	HKIE Fire Division
17.2.2025	CPD Course	Step Forward! The Latest Fire Performance Requirements of Passive Fire Protection Products in HK	HKIE Fire Division
25.2.2025	CPD Course	Advanced Technologies in Fire Modelling	HKIE Fire Division
25.2.2025	CPD Course	Fire Safety of Lithium Ion Batteries	HKIE Fire Division
4.3.2025	CPD Course	Fire Engineering Approach for Building Design with Case Studies	HKIE Fire Division
4.3.2025	CPD Course	Fire Safety Requirements for Data Centres and Battery Rooms	HKIE Fire Division
18.3.2025	CPD Course	Evacuation in Cavern	HKIE Fire Division
18.3.2025	CPD Course	Understanding Fire Safety of External Facades	HKIE Fire Division
19.3.2025	Online seminar	Webinar on Introduction of the Registered Fire Engineer Scheme	HKIE Fire Division, The Fire Services Department

25.3.2025	CPD Course	Exploring Oxygen Reduction System for Fire Protection and Human Behaviours in Hypoxic Environment	HKIE Fire Division
25.3.2025	CPD Course	Fire Safety Design and Concerns for Hydrogen fuelled or Electric Vehicles	HKIE Fire Division
31.3.2025	CPD Course	Fire Safety Design for Caverns and Underground Developments in HK and Scandinavian Cities	HKIE Fire Division
31.3.2025	CPD Course	Code of Practice for Fire Safety in Buildings 2011: Recent Updates and Interpretation	HKIE Fire Division
10.4.2025	Seminar	Fire Risk Management Plan (Tier-1 class of property management practitioner)	HKIE Fire Division, Property Management Services Authority
26.4.2025	Visit	Technical visit to the Tseung Kwan O Desalination Plant	HKIE Fire Division
13.5.2025	Annual Symposium	Annual Symposium themed “Global Innovations in Fire Safety: Collaborating for Excellence”	HKIE Fire Division
16 – 20.5.2025	Mainland / Overseas Visit	Technical Delegation 2025 to Chengdu and Chongqing	HKIE Fire Division