THE HONG KONG INSTITUTION OF ENGINEERS
香港工程師學會

Fire Division
消防分部

Fire Division CPD Training Course 2023

Organized by the Hong Kong Institution of Engineers (HKIE) Fire Division

Programme Highlight

The HKIE Fire Division CPD Training Course 2023 consists of six lectures covering the six domains of fire engineering with case studies. It is suitable for professional engineers ranging from graduate engineers to veterans who are interested to join the Fire Discipline of the HKIE. It covers a wide range of knowledge from building design, statutory submission to facility management. We are honored to have eminent academics, experienced professionals, senior consultants and government officials who possess substantial practical experience to introduce concepts of fire science, human psychology and physiology, active fire protection systems analysis, passive fire protection systems analysis, law, regulations and standards, and fire risk management.

The course is specially tailored for a full spectrum of fire engineering-related professionals such as consultants, surveyors, architect, project managers, facility managers and engineers of other disciplines. They may interact frequently with fire engineers or have been practicing fire engineering works and would like to better equip themselves by taking a closer look at the doctrines of Fire Engineers or the latest fire engineering knowledge through case studies.

Lecture	Date	Theme	Speaker(s)
1	16/02/2023 (Thu)	**Fire Science** Computational study on the potential fire size for a passenger train under tunnel environment **Human Psychology and Physiology** Theories and Modelling Evacuation Dynamics with Recent Developments	**Ir Angus WONG** Mott MacDonald Hong Kong Limited **Ir Prof. Eric LEE** BEng(Hons), PhD, MHKIE, RPE Professor, Department of Architecture and Civil Engineering, City University of Hong Kong
2	23/02/2023 (Thu)	**Passive Fire Protection Systems Analysis** Fire performance of full-scale test of external cladding **Law, Regulations and Standard** Common mistakes in the submission of General Building Plans	**Dr. Lipmann SZE Lip Kit** Technical Director, Research Engineering Development Façade Consultants Limited **Mr Michael PANG** Chief Building Surveyor/ Hong Kong East and Heritage, Buildings Department

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香港工程師學會

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消防分部

Lecture	Date	Theme	Speaker(s)
3	28/02/2023 (Tue)	**Active Fire Protection Systems Analysis** A Review of the Red Books and the Application of Selected Fire Service Installations **Law, Regulations and Standard** Application for dangerous goods licenses under the amended Dangerous Goods Ordinance and its subsidiary regulations enforced on 31/3/2022	**Ir Albert TANG** CEng, FIFireE, MHKIE, RPE **Mr. LI Kai Chung,** Assistant Divisional Officer, Dangerous Goods Control Division, Fire Services Department
4	16/03/2023 (Thu)	**Fire Risk Management** Fire Risk Management for Cultural Developments in Hong Kong **Passive Fire Protection Systems Analysis** Fire Safety Concern for Museum Design	**Ir Celsius CHUNG** Associate, Arup **Mr Freddie HAI** Director, Rocco Design Architects Associates Ltd.
5	23/03/2023 (Thu)	**Human Psychology and Physiology** Building Evacuation Modeling - Application and Case Studies **Fire Risk Assessment** Application of quantitative risk assessment to building fire safety	**Ir Annie CHOI** Director, Building MEP China Region, WSP **Dr Hechao HUANG** Arch & Fire Professional (Int'l) Ltd.
6	28/03/2023 (Tue)	**Fire Science** Computational Fluid Dynamics Simulation for Fire Study: Translating physics into numeric **Active Fire Protection Systems Analysis** Do's and Don'ts in the design and installation of staircase pressurization systems	**Prof Sherman CHEUNG** Professor of School of Aerospace, Mechanical and Manufacturing Engineering, RMIT University **Ir CHAN Wai Lam** Engineer, Fire Service Installations Division, Fire Services Department

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HKIE Fire Division reserves the rights to change the speaker(s) without prior notice.
In case of any disputes, HKIE Fire Division's decisions shall be final and conclusive.

Date	:	16/02/2023 (Thu), 23/02/2023 (Thu), 28/02/2023 (Tue), 16/03/2023 (Thu), 23/03/2023 (Thu), 28/03/2023 (Tue)
Lecture Time	:	6:30pm – 9:30pm
Format	:	Zoom Webinar
Language	:	Presentation in Cantonese and PowerPoint in English
Course fee	:	HK$2,000 (6 lectures); HK$1,800 (5 lectures); HK$1,400 (4 lectures);
		HK$1,100 (3 lectures); HK$800 (2 lectures); HK$400 (1 lecture)
Early Bird Discount	:	10% Discount for registration on or before **20/01/2023 (Friday)**.
CPD certificate	:	The training course is recommended for 3 CPD hours for each lecture

Registration & Enquires

Enrolment will be accepted on a first-come, first-served basis as seats are limited.

For Enrolment: Please click https://forms.gle/RfKFpVR6bRZe1486A

For enquiries, please contact Ms Mani LAI (Course Secretariat, Ming Focus Limited) at 3101 9108 / hkie.cpd@mingfocus.com.