

Organizer:



Date, Time & Venue

- Class 1: 07 December 2023** (Topic: A new impact to performance industry - “Stage Engineer” a new cross discipline engineer)..... **Ir Dr. Anthony See Yuen To**
- Class 2: 14 December 2023** (Topic: Introduction to Thermo-fluid Dynamics of Two-phase Flow)..... **Prof. Dr. Hibiki**
- Class 3: 11 January 2024** (Topic: Innovative Technologies and Approach to Lightning Protection for Smart Cities) **Mr. Andrew Mui**
- Class 4: 18 January 2024** (Topic: Legal system in Hong Kong vs USA, International Trading, Professional Ethics for Engineers) **Ir Erol Wong**

Time: 18:30-21:30

Venue: “EngHub”: Room 309, 3/F, HK NEO, 123 Hoi Bun Road, Kwun Tong, Hong Kong

Programme Highlights

The courses are designed to broaden knowledge of engineers pertaining to Mechanical, Environmental, and Energy professions. They are very beneficial for young engineers and practitioners refreshing and acquiring knowledge in the technologies, design or operation in concerned fields. All guest speakers will share with you their practical knowledge and experience.

Language:

Cantonese/ English with English Terminology

Registration Fee

Classes	Registration Fee	
	Early Bird On or before 07 November 2023	Members / Non-Members
For total four classes	HKD1800	HKD 2000

Certificate:

e-CPD Certificate will be issued to the participants after the course.

Registration

Please fill the Google registration form: <https://forms.gle/UpbDkTbu74rNbC4g8>



Cheque for the correct amount of the course fee should be payable to “The HKIE-MMNC Division” and send to the following address by post: 17th floor, 363 Java Road, North Point, Hong Kong. ATTN: Ir Peter Chow
Successful registration will be received notification message.

Registration Deadline

20 November 2023 for the first session (**first come first served basis**)

Enquiry

Please contact Ir Peter Chow at Tel: 9606 6435 or email: peter.chow@towngas.com

Time Table

Course	Date	Topic	Honorable Speaker
1	7 Dec 2023 (Thur)	<p>A new impact to performance industry - “Stage Engineer” a new cross discipline engineer</p> <p>A stage accident that occurred in Hong Kong Coliseum during performance has triggered off the public concern on “Stage Safety”. Apart from mechanical failure that can happen on stage, there are other accidents such as fall, fire, dust explosion, stampede etc. could also happen!</p> <p>This incident reflected that there are deficiencies in the stage construction work & management, which is caused by the professional incompleteness of the relevant standards for stage construction.</p> <p>At the present, the following situations generally exist in the performance engineering industry:</p> <ul style="list-style-type: none">• The entry level of the performance industry (esp. stage engineering) is relatively low, and the quality of employees is relatively below in professional education standard.• Practitioners work by experience, and the operation process is not standardized, which is prone to accidents.• Some stage construction companies are lack of qualifications nor professional technical training & facilities are imperfect, hence project quality cannot be guaranteed and performance safety is at risk.• Insufficient official training in this industry & lack of authoritative training institutions to offer training for industry practitioners.• Currently there are “No code of practice” for industry practitioner to follow. <p>This training course aims to deliver the understanding of a new kind of Engineer Discipline is emerging which will promote the</p>	<p>Ir Dr. Anthony See Yuen To B.Sc. (Hons), MBA, PhD, C.Eng. FIMechE, FHKIE. RPE</p> <p>Founder & CEO - SCEcorp’s (China) Co Ltd.</p> <p>Hong Kong THEi – Adjunct Professor & Faculty Course Advisor (FCA) for Faculty of Sincere & Engineering.</p> <p>Hong Kong Tung War College – Adjunct Professor (School of Management).</p>

		“New Code of Practice for Performance Industry” by cross discipline works between engineers.	
2	14 Dec 2023 (Thur)	<p>Introduction to Thermo-fluid Dynamics of Two-phase Flow</p> <p>Mass and heat transfer process is widely involved in industrial fields, such as mechanical engineering, nuclear engineering, petroleum engineering, and chemical engineering. Mass and heat transfers with phase change are accompanied by gas-liquid two-phase flows. A deep understanding and accurate modeling of two-phase flow are crucial to equipment design, performance evaluation, and safety analysis in industrial applications.</p> <p>This seminar provides an overview of the fundamentals of two-phase thermo-fluid dynamics for those new to two-phase thermo-fluid dynamics. The seminar will explain what two-phase flow is, how safety analysis codes are constructed, what mass, momentum, and energy conservation laws are used in two-phase flow analysis, and what flow patterns, void fraction, interfacial area concentration, and interfacial forces are unique to two-phase flow</p>	<p>Prof. Dr. Hibiki</p> <p>Chair Professor, City University of Hong Kong, Hong Kong</p> <p>Professor Emeritus, Purdue University</p>
3	11 Jan 2024 (Thur)	<p>Innovative Technologies and Approach to Lightning Protection for Smart Cities</p> <p>With the increasing adoption of “Smart” trend in buildings and facilities, a critical gap has surfaced between the rapid rate of advancement in technology versus the lack of improvement in lightning protection solution and practices. Currently, it is estimated that over 99% of facilities are inadequately protected due to this extensive and relatively sudden foray into Intelligent and Smart facility, without the corresponding enhanced measures in lightning protection. This session aims to bring awareness to this concern and how the industry can improve to mitigate risk by this natural weather anomaly.</p>	<p>Mr. Andrew Mui</p> <p>He has close to 30 years of experience in Lightning Protection consultancy and was formerly Chief Commercial Officer of Hitachi Asia Pacific, with special focus on Smart Cities.</p> <p>Director and Senior Consultant of Critical Facility Group Pte Ltd</p>

4	18 Jan 2023 (Thur)	Legal system in Hong Kong vs USA, International Trading, Professional Ethics for Engineers <p>There exist different legal systems in various countries over the world. This seminar would focus on the most common legal systems for the practicing professional engineers in Hong Kong. Engineers need to order equipment from overseas in particular from USA and Europe. The legal system adopted in Europe is almost the same as England. Engineers should be aware the legal systems in Hong Kong vs USA. For international trading, the engineers should be aware the location of jurisdiction in case of disputes as stipulated in the contract. The legal doctrine is different in HK and USA. This seminar also highlights the Professional Ethics for Engineers in particular HKIE.</p>	Ir Erol Wong BEng, CEng, MHKIE, RPE(Energy), MCIBSE, CEnv. REW CO,H0 <p>Temporary Resident Project Engineer M & P Consulting Engineers (HK) Ltd. Currently working at EMSD by secondment</p>
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* The organiser reserves the right to change the course topics, venue, time and speakers

Organizing committee:

Chairman: Ir Kelvin Tang

Members: Ir Dicky Poon

Ir Mannix Chan

Ir Peter Chow

Ir Dr. Randolph Leung

Ms Rita Chiu

Ir Vincent Lee