



INSTITUTION OF FIRE ENGINEERS, SINGAPORE

THE INTERNATIONAL ORGANISATION FOR FIRE PROFESSIONALS

Issue No. 28 | JAN – SEP 2022

Management Council 2022 – 2024

President	Mr K Ramanathan
Vice President	Er Yee Poh Kin
Hon Secretary	Mr Andy Choo
Hon Treasurer	Mr Koh Soon Chuang

Council Members:

Ar. Chan Kok Way
 Ms Kristy Chen
 Mr David Goh
 Er Victor Ho
 Mr Michael Mok
 Mr Tong Hong Haey
 Ms Chelsia Ruth Wong
 Er Yeo Swee Khian

A WORD FROM THE EDITOR

2022 is a year full of activities!

As the year rolls to an end, lets take stock of all the exciting activities that have occurred during 2022 as Singapore reopened post-Covid. These include technical talks and seminars by learned academics and subject experts, workshops to share knowledge and uplift the collective fire safety industry as well as organization of networking activities and similar.

We hope our members will continue to support IFE Singapore in the coming years.

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48TH ANNUAL GENERAL MEETING 25th March 2022

On 25th March 2022, 70 members of IFE and invited guests gathered together for the 48th Annual General Meeting (AGM) at the Holiday Inn Orchard City Centre.

The AGM started with President Mr Christopher Tan delivering the opening address. As part of his opening address, he gave an account of the annual reports for the various committees forming part of the Management Council and statement of accounts.

As nine (9) verified nomination forms were received for the nine posts open for election, no election was held, and all candidates were automatically elected as members to the new Management Council for a 2-year term effective from the date of the AGM.

We welcome the following new members to our IFES Management Council 2022 – 2024 ~

Mr Andy Choo – a forensic fire investigator whose career spans over 18 years working within Singapore Civil Defence Force where he led 3 teams of fire investigation specialists to conduct Origin and Cause investigations (O&C) of all reported fires, explosions and related fatal incidents in Singapore involving vehicles, airplanes, marine vessels, structures and equipment. He also joined the Health Sciences Authority for 4 years as a Senior Forensic Scientist in the field of traffic crash reconstruction and currently works in the private sector.

Ms Kristy Chen - a registered fire safety engineer with the SCDF with extensive experience in the fire consultancy, fire safety engineering design, passive fire protection system design & development, fire testing and project management, technical literature and training, in both Singapore and PRC. She joined IFES in 2003, and since then, has been actively participating in the activities organized by the institution. She has been IFES representative in UL Standards Technical Panel (STP) for UL 9540 Standards for Energy Storage System, Underwriters Laboratories since 2021. She has been appointed as a member of Technical Committee of Building Fire Safety, China Association for Engineering Construction Standardization (CECS) since 2020.

The evening concluded with a sit-down dinner.



Photograph: Past IFE Management Council 2020-2022



President
Mr K. Ramanathan



Vice President &
Membership Chairperson
Er Yee Poh Kin



Honorary Secretary &
FI-SIG Chairperson
Mr Andy Choo



Honorary Treasurer
Mr Koh Soon Chuang



Stakeholder Engagement &
Partnership Chairperson
Er Ho Victor



Professional Development
Chairperson
Mr Tong Hong Haey



Social & Networking
Chairperson
Ms Kristy Chen



Publicity Chairperson
Ms Chelsia Ruth Wong



FSE-SIG Chairperson
Er Yeo Swee Khiank



Co-opted Member
Ar Chan Kok Way



Co-opted Member
Mr David Goh



Co-opted Member
Mr Michael Mok

Photograph: Current IFE Management Council 2022-2024

EVENTS & NEWS

IFES-UL Hazard Classification and Good Fire Safety Regulatory Practices for Energy Storage System

26th April 2022 from 9am to 12:30pm

ONLINE WORKSHOP

As part of IFE Singapore's ongoing collaboration with our MOU partner, IFES-UL jointly hosted a virtual workshop on hazard classification and good fire safety regulatory practices for energy storage systems (ESS).

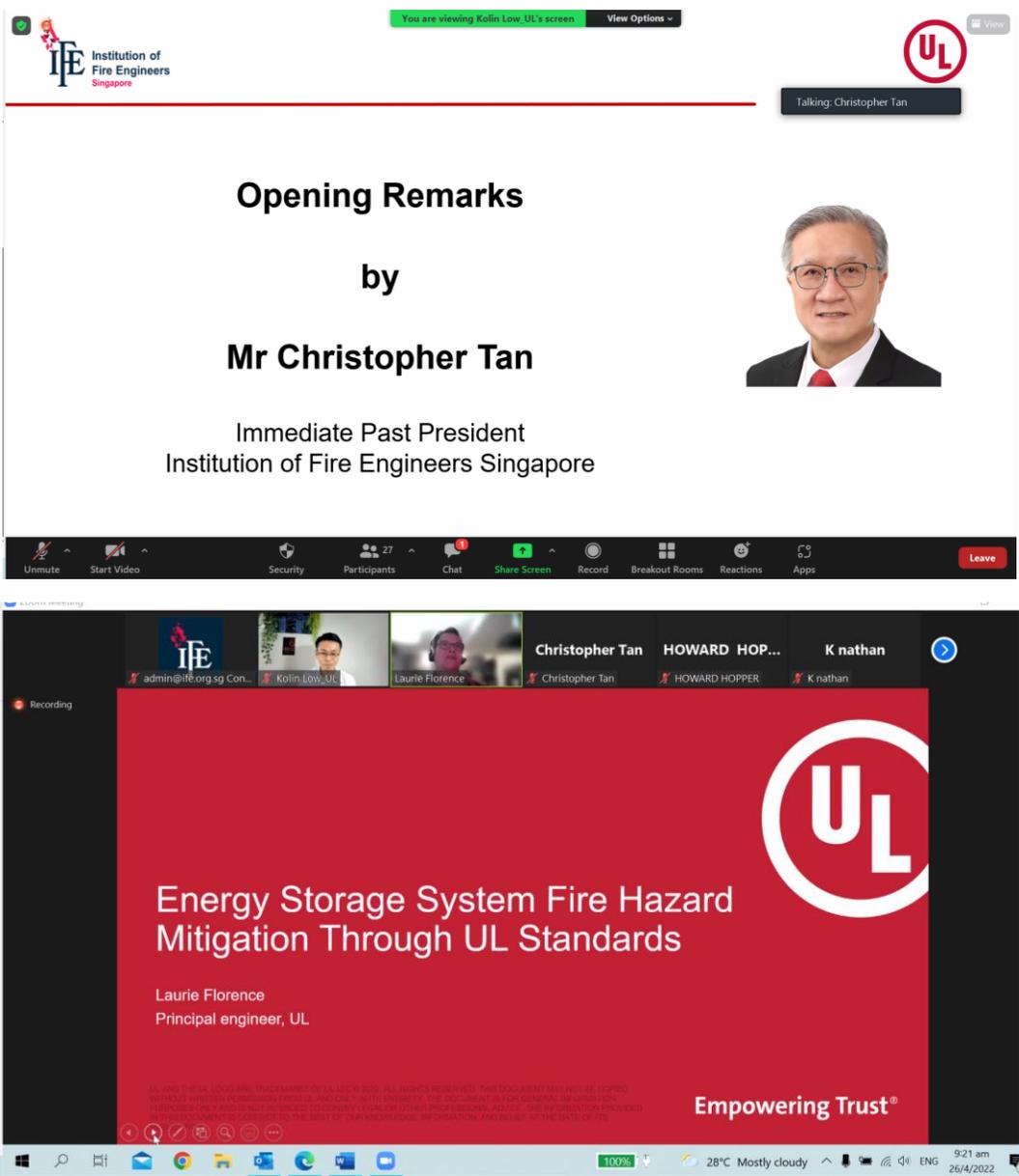
The 3.5-hour session started with opening remarks by IFE Singapore's Immediate Past President Mr Christopher Tan, followed by presentations by invited experts from UL, setting the scene through introduction of Energy Storage System (ESS), its fire hazard and mitigation strategy, existing international fire codes, standards and regulatory practices for facilities with ESS.

Ms Laurie Florence, who is a UL Corporate Fellow and UL's Principal Engineer for stationary/motive batteries and energy storage systems, spoken on "Introduction of Energy Storage System and its Fire Hazard Mitigation through UL standards".

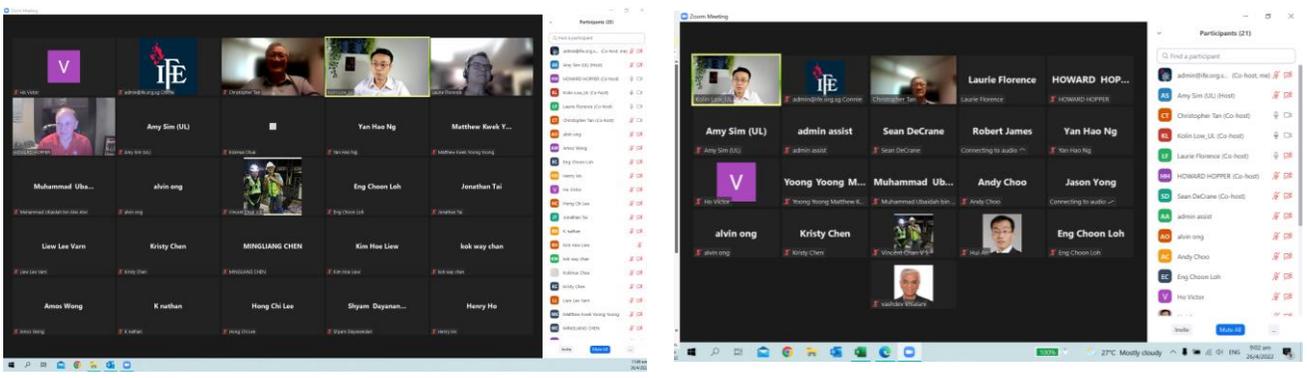
The next speaker, Mr Howard Hopper, a Global Regulatory Services Manager at UL, presented "Energy Storage Systems Fire Safety Concepts".

The workshop was attended by 60 IFE members and UL's contacts.

The screenshot shows a Zoom meeting interface. At the top left is the IFE Institution of Fire Engineers Singapore logo. At the top right, a notification states "You are viewing Kolin Low_UL's screen" with a "View Options" link. The main content area features the workshop title in large red and black text: "IFES-UL Workshop – Joint IFES-UL Workshop: Hazard Classification and Good Fire Safety Regulatory Practice for Energy Storage System". Below the title, the date and time are displayed: "26 Apr 2022 | 9:00AM – 11:30AM", followed by "via zoom". On the right side, there is a vertical stack of video thumbnails for participants: Laurie Florence (top, with UL logo), Christopher Tan, Kolin Low_UL, and admin@ife.org.sg Connie. The bottom of the screen shows the Zoom toolbar with icons for Unmute, Start Video, Security, Participants (23), Chat, Share Screen, Record, Breakout Rooms, Reactions, Apps, and a Leave button.



Photograph: Snapshot of the IFES-UL Workshop



Photograph: Snapshots of the Members attending the IFES-UL Workshop

EVENTS & NEWS

IFES-ACES Joint Fire Code Update Seminar

Fire Code Amendment Update 9 & 10

17th June 2022 from 3pm to 5pm

ONLINE WEBINAR

Continuing professional development is critical part of maintaining the standards of technical excellence in fire safety industry. This 2-hour online webinar was jointly held between IFE Singapore and the Association of Consulting Engineers (ACES) to update practitioners on the latest changes to the Code of Practice for Fire Precautions in Buildings 2018.

The webinar was delivered by long time members of IFES – Vice President Er Yee Poh Kin and Er Yeow Mei Leng.

The webinar was attended by 100 IFE members, ACES, MOU partners FSMAS, A-CERTS.

**Institution of Fire Engineers, Singapore (IFES) and
Association of Consulting Engineers Singapore (ACES)
Joint Fire Code Update Seminar –
Fire Code 2018 Amendment Update 9 & 10
17 June 2022, 3.00 pm to 5.00 pm
Mode: Virtual Zoom**



About the Speaker



Er Yee Poh Kin

- Fellow Member of IFES
- Registered RI (M&E), FSE
- Council management of IFES
- IFE representative in SCDF Fire Safety Standing Committee and Fire Code Review committee.
- Member of M&E Engineering Advisory Panel, HDB
- Members of Technical Committee in Standard on Specification for fire shutters (SS 489 : 2015), Specification for Fire Damper (SS 333 : 2012) and Code of practice for use and maintenance of portable fire extinguishers (SS 578: 2012)



The screenshot shows a Zoom meeting interface. At the top, there are navigation icons and a status bar indicating 'You are viewing Lillian Lean (ACES)'s screen'. Below this, a grid of participants is visible, including Connie, Yee Poh Kin, Tong Hong Haey, Loh Wah Kay - M & P, Lillian Lean (ACES), and Joseph Cheng PCS. The main content area displays a slide titled 'About the Speaker' for Er Yeow Mei Leng. The slide includes her portrait and a list of her qualifications and roles. At the bottom of the Zoom window, there is a control bar with options like 'Mute', 'Start Video', 'Security', 'Participants', 'Chat', 'Share Screen', 'Resume/Stop Recording', 'Breakout Rooms', 'Reactions', 'Apps', 'Whiteboards', and a 'Leave' button. The system tray at the very bottom shows the date and time as 3:07 pm on 17/6/2022, along with weather information (30°C Rain showers) and battery level (97%).

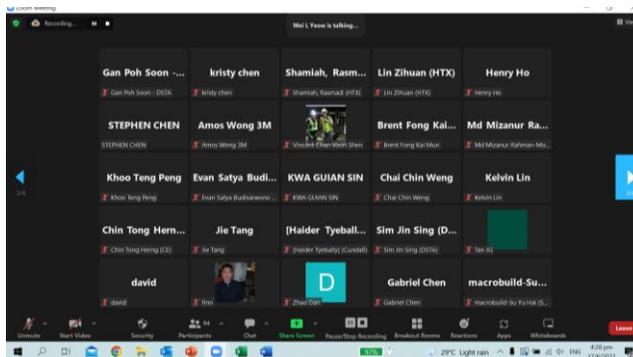
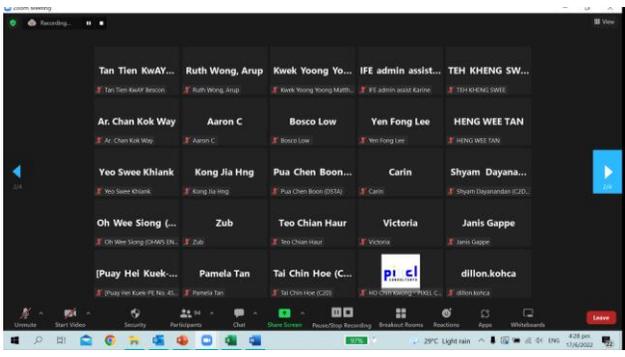
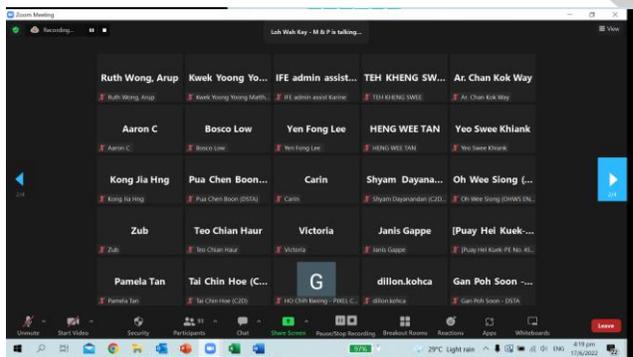
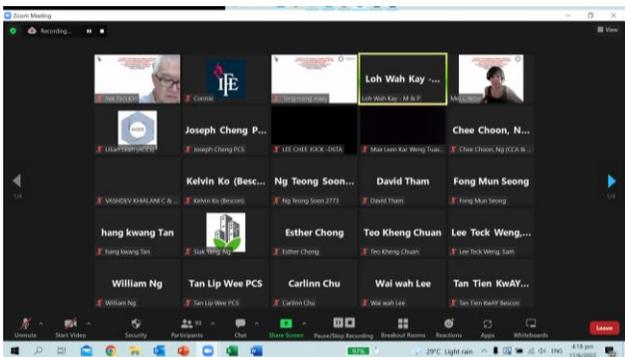
Recording Paused

About the Speaker

Er Yeow Mei Leng

- Fellow IFE
- PE (M), RI (M&E), FSE
- Council member since mid-90s to mid-2020, served in various of portfolios including Honorary Secretary, Vice President and Honorary Treasurer.
- IFE representative in SCDF Fire Safety Standing Committee and Fire Code Review Com Convener SS 575, member of CP 52 WG
- ACES M&E Practice Chairman

Photograph: Snapshot of the IFES-ACES Webinar



Photograph: Snapshots of the Members attending the IFES-ACES Webinar

EVENTS & NEWS

MEMBER'S NIGHT

29th July 2022

In a first since covid restrictions lifted, IFE Singapore held its 2022 Member's Night at Holiday Inn Orchard City Centre. This lively event was attended by 80 members and invited guests and was a chance to renew old ties and form new networking opportunities after 2 years of social distancing limitations.

The evening started off with a technical talk by Er Hwee Lin of Lingjack Digital, presenting on the topic of "Smart Initiatives in Enhancing Fire Safety Protection Smart Fire Safety and Emergency". Er Hwee Lin discussed on the challenges of fire safety monitoring, inspections and testing and smart initiatives available to integrate these workflows.



Photograph: Technical talk by Lingjack Digital

After the technical talk concluded, members proceeded to a sit-down dinner. The night's MC proceeded to engage guests with hilarious games and interesting puzzles.

The night ended on a high note with promises that the Management Council will continue their efforts to bring together members for various development and networking activities.



Photograph: IFES members enjoying the night's entertainment



Photograph: Organizers and current IFES Management Council 2022-2024

EVENTS & NEWS

Human Behaviour and Evacuation Modelling Seminar 1st to 2nd August 2022

The 2-day seminar conducted by Dr Ruggiero Lovreglio from Massey University (New Zealand) introduced human behaviour theories and conducted physical workshops for the participants. Besides enjoying the interactive sessions, the participants acquired an understanding of pedestrian dynamics, and understand different egress modelling approaches (network, grid and continuous models) and their limitations. Dr Ruggiero Lovreglio has just won SFPE's Global 5 under 35 this year.

The webinar was attended by 20 IFE members.



Photograph: Dr Ruggiero Lovreglio presenting during Human Behaviour and Evacuation Modelling Seminar



Photograph: Attendees at Human Behaviour and Evacuation Modelling Seminar

EVENTS & NEWS

UL and IFES: Fireside Chat with UL's Expert Ms Laurie Florence 18th August 2022 from 3:30pm to 5:30pm

UL-IFES jointly held a fireside chat with UL's Expert Ms Laurie Florence. A fireside chat is a personal and interactive discussion involving a moderator and guest, allowing an audience to gain insights into the guest's personal stories and thoughts on various topics.

Ms Laurie Florence, who is the Principal Engineer for UL, spoke on her experiences in product safety including the evaluation and testing of products to UL safety standards with the last 17 years focused on battery safety and standards development.

She is a principal engineer in UL for stationary and motive batteries, energy storage and fuel cell systems and is responsible for standards development and the certification categories for stationary and motive batteries and energy storage systems including UL 2271, UL 2580, UL 1973, UL 1974, UL 9540 and UL 9540A standards.

The fireside chat was attended by 15 IFE members.





Photograph: Attendees at UL-IFES fireside chat with Ms Laurie Florence

UPCOMING EVENTS & ACTIVITIES

FiSAC (Fire Safety Asia Conference & Exhibition 2022)

From 16 to 18 November 2022

As one of the strategic partners for FiSAC, IFE Singapore broadcasts to members that the highly anticipated 4th edition of Asia's most prominent fire safety event is back. Jointly organised by the National Fire and Emergency Preparedness Council and the Singapore Civil Defence Force, the Fire Safety Asia Conference & Exhibition 2022 will be held from 16 to 18 November 2022 at the Singapore Expo.

With a progressive conference theme of "Rethink, Redefine, Redesign: A BREAKTHROUGH in fire safety, sustainability and emergency response", the FiSAC 2022 will cover a 2-day conference and a half-day workshop on building fire safety, sustainability and environmental fire safety, innovative fire safety design and operational response as well as an exhibition to showcase state-of-the-art equipment and technologies.

The conference theme captures and embeds the spirit of leveraging technology, embracing innovation and the growing emphasis in environmental sustainability. The blue, together with the greenish hue, was specially chosen to underscore the importance of sustainability as we pursue new breakthroughs in fire safety and emergency response.

Further details on the conference and registration are available - <https://fisac.com.sg/>

Published quarterly by the IFES, we are always looking for members contributions. To provide any articles or feedback, please contact – admin@ife.org.sg



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