

**INSTITUTION OF FIRE ENGINEERS,  
SINGAPORE (IFES) COURSE 2025**

**An Introduction to Tunnel Fires**

**Seminar Information**

Fire safety in tunnels presents unique challenges due to limited ventilation, potential for rapid fire spread, and difficulties with evacuation. These factors increase the risk of structural damage, smoke inhalation, and asphyxiation during a tunnel fire.

This one-day seminar will discuss tunnel fire scenarios and the impacts. The attendees will learn about various mitigation measures and their principles.

**Target Audience**

Fire Safety Engineers, Professional Engineers, Registered Architects, Fire Investigators, Fire Safety Managers, Safety Officers, Suppliers of Fire Products, Building Owners, Developers, Building Contractors, Facility Management and Maintenance Personnel, Authority Having Jurisdiction, etc.

**Program**

Time	Topic
8:30 – 10:30	How does a vehicle burn?
10:30-10:45	Coffee break
10:45-11:45	Tunnel environments and fire behaviors
11:45-12:45	Lunch
12:45-13:45	Fire growth and fire spread in tunnels
13:45-14:45	Tunnel fire case studies
14:45-15:00	Coffee break
15:00-17:00	Fixed firefighting systems and new energy carriers
17:00-18:00	Emergency evacuation from trains in tunnels and metro system

**Date and Time**

17 November 2025 (Monday), 8.30am to 6pm

**Venue**

Furama Riverfront  
405 Havelock Rd, Singapore 169633

**Fee**

- a. \$600 for members of IFES
  - b. \$750 for non-members
- (includes coffee breaks & lunch and no GST)

**Continuing Professional Development**

- a. Qualified CPE hrs by SCDF to FSE - 8
- b. Qualified CPD points by SCDF to FSM TBA
- c. Qualified CPD points by BOA- SIA – TBA
- d. Qualified PDU points by PEB – 8

**Speaker’s Profile**

**Dr. Ricky Carvel** is a Senior Lecturer in Fire Dynamics and an Assistant Director of Learning & Teaching Dept of The School of Engineering, University of Edinburgh. Dr Carvel’s primary research interest in fire dynamics in forced ventilation conditions, particularly as this relates to fires in vehicles and tunnels. He is the co-editor of Handbook of Tunnel Fire Safety, the Associate Editor of Fire Safety Journal (2010-2015), the authors of 30+ paper in refereed journals and 60+ conference papers. His conference paper **“Rediscovering the Throttling Effect”** won the Best paper award at the 6<sup>th</sup> Int’l Symp. On Tunnel Safety and Security, Marseille. He was awarded the **“ISTSS Achievement Award 2018”** at the 8<sup>th</sup> In’t Symp. on Tunnel Safety and Security, in Boras, Sweden, March 2018. He has extensive experience in the consultancy of fire tests, fire risk assessment, rail accident investigation and etc.

**REGISTRATION INFORMATION**

**Closing Date**

Registration closes on **20 Oct 2025** or seats fully sold out whichever is earlier.

## **Online Registration**

Scan QR Code or click on the link to **register and pay** below



Click on Registration Link below:

<https://forms.gle/gpeZ96KAFuVwMrsG8>

### **Registration Notes:**

1. We accept registration via the above registration link ONLY
2. Please ensure you have completed the correct details on the registration page above and proceed to pay via the modes of payment stated here.
3. **IFES does not issue invoice however we will issue e-receipts upon receipt of payment. Please refer to the payment modes for payment.**

### **Disclaimer & Refund Policy**

1. IFES reserves the right to postpone or cancel the course due to unforeseen circumstances.
2. No refund of course fees for cancellation. Replacements are allowed **before** the closing of the registration date line stated in this Brochure.

No replacements **after** the closing of the registration date.

3. IFES may disclose personal information about individuals, for any of the purposes and in accordance with the PDPA, to any of our agents and service providers.

## **CONTACT INFORMATION**

Any enquiries are to be sent to our official email below:

Ms Karine Lim  
9669 3176 (HP) or 63389274 (Mon to Fri 9am to 5pm)  
Email: [admin2@ife.org.sg](mailto:admin2@ife.org.sg)

Ms Dian Afifah hayatullah  
8128 0771 (HP) or 63389274 (Mon to Fri 9am to 5pm)  
Email: [admin@ife.org.sg](mailto:admin@ife.org.sg)

## PAYMENT MODES

### Method 1 (PAY BY PAYNOW CORPORATE TO UEN)

UEN no	:	S75SS0037D
Entity Name	:	Institution of Fire Engineers, Singapore
Transfer Details	:	<b>Please indicate clearly your Name, Membership no (if any) and payment purpose.</b>
Confirmation slip	:	<b>Please print screen/ screen shot confirmation slip and send to <a href="mailto:admin@ife.org.sg">admin@ife.org.sg</a></b>  <b>For us to provide e- Receipt to you, transfer details and confirmation slip must be completed as per above instructions.</b>

### Method 2 (PAY BY BANK TRANSFER)

Account Name	:	Institution of Fire Engineers, Singapore
Name of bank	:	United Overseas Bank
Account Number	:	314-304-819-3
Bank Code	:	7375
Branch Code	:	007
Swift Code	:	Uovbsgsg
Comments for Recipient	:	<b>Please indicate clearly your Name, Membership no (if any) and payment purpose.</b>
Confirmation slip	:	<b>Please print screen/ screen shot confirmation slip and send to <a href="mailto:admin@ife.org.sg">admin@ife.org.sg</a></b>  <b>For us to provide e- Receipt to you, comments and confirmation slip must be completed as per above instructions.</b>