

INSTITUTION OF FIRE ENGINEERS, SINGAPORE (IFES) COURSE 2025

Tunnel Fire Safety and Forensic Fire Engineering

Seminar Information

This two-day seminar will focus on two different topics, namely Tunnel Fire Safety (Day 1) and Forensic Fire Engineering (Day 2). In the area of Tunnel Fire Safety, attendees will learn about such aspects as (1) design fires, (2) smoke spread, and (3) smoke management, in relation to life safety, i.e., safe evacuation of occupants.

For Forensic Fire Engineering, attendees will get an introduction to the use of fire engineering tools and methods, e.g., evacuation modelling and CFD, for forensic investigation of accidents.

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

Day 1

Time	Topic
8.30 – 10:30	Design fires for tunnels
10.30-10.45	Coffee break
10.45-12.15	Tunnel Fire Dynamics (Part 1)
12.15-13.15	Lunch
13.15-15.45	Tunnel Fire Dynamics (Part 2)
15.45-16.00	Coffee break
16.00-18.00	Tenability (FED/FEC) assessment for tunnels

Day 2

Time	Topic
8:30-10:30	The Expert Witness Process. Fire and Smoke Spread Reconstruction (Part 1)
10:30-10:45	Coffee break
10:45-12:45	Fire and Smoke Spread Reconstruction (Part 2)
12.45-13.45	Lunch
13.45-15.45	Fire and Smoke Spread Reconstruction (Part 3) Evacuation Timeline Reconstruction (Part 1)
15.45-16.00	Coffee break
16.00-18:00	Evacuation Timeline Reconstruction (Part 2)

Date and Time

18 to 19 September 2025 (Thursday & Friday), 8.30am to 6pm

Venue

Holiday Inn City Centre
11 Cavenagh Rd, Singapore 229616

Fee

- a. \$1,200 for members of IFES
 - b. \$1,500 for non-members
- (includes coffee breaks & lunch and no GST)

Continuing Professional Development

- a. Qualified CPE hrs by SCDF to FSE - 16
- b. Qualified CPD points by SCDF to FSM
TBA
- c. Qualified CPD points by BOA- SIA – TBA
- d. Qualified PDU points by PEB – TBA

Speaker's Profile

Prof. Daniel Nilsson is the Head of Department, Civil and Natural Resources, University of Canterbury. Professor in Fire Engineering, Civil and Natural Resources, University of Canterbury. Program director, FSE program, Lund University. Senior lecturer at the

Department of Fire Safety Engineering and Systems Safety, Lund University.

Dr. Aatif Khan Pete Thomson is Senior Lecturer, Dept. of Civil & Natural Resources Engineering, University of Canterbury. He developed an open-source package for coupling the CFD-FEM software to understand the structural response to real fires. Currently, he is focusing on developing the fire safety design for firefighters during the emergency response.

REGISTRATION INFORMATION

Closing Date

Registration closes on **19 Aug 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/SJkBzzossVtrvmG48>

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

Ms Dian Afifah hayatullah
8128 0771 (HP) or 63389274 (Mon to Fri 9am to 5pm)
Email: 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	:	Please indicate clearly your Name, Membership no (if any) and payment purpose.
Confirmation slip	:	Please print screen/ screen shot confirmation slip and send to admin@ife.org.sg For us to provide e- Receipt to you, transfer details and confirmation slip must be completed as per above instructions.

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	:	Please indicate clearly your Name, Membership no (if any) and payment purpose.
Confirmation slip	:	Please print screen/ screen shot confirmation slip and send to admin@ife.org.sg For us to provide e- Receipt to you, comments and confirmation slip must be completed as per above instructions.