

## Aftermath of Grenfell Tower Fire – Are Australian Buildings safe?

*Key Speaker:*

*World renowned Fire Safety Expert*

**Dr Jonathan Barnett,**

*Technical Director*

*RED Fire Engineers -*

### OBJECTIVE

The Grenfell tower event one of the worst disasters in the world, which has touched many lives. Australian cities will especially be affected as our population is concentrated in urban cities and many medium-rise and high-rise buildings have been constructed with non-compliant products.

In London, lives have been lost and many people have been hospitalised, and the burnt blackened tower has left an important question mark on fire safety and fire protection systems in buildings. It is assured that help is being given to all the homeless survivors, but this catastrophic fire is a tragic warning for the occupants, developers, architects, engineers and all people involved in the construction industry in Australia and around the world. Unfortunately, the Grenfell Tower fire is very severe as the combined effects of many critical factors of fire safety amplified the damage.

**This event is designed for:**

- ✓ **Consulting Engineers, Fire Engineers, Structural Engineers**
- ✓ **Architects, Planners**
- ✓ **Developers, Builders**
- ✓ **Others involved in the Construction Industry**

### Participants will:

- Receive a leading expert's opinion on the current Grenfell Tower Fire
- Understand the context of popular Australian building façade systems
- Overview of the most updated technologies in the design and construction of high-rise buildings
- Understand the different construction materials in the Australian market and their behaviour when subjected to fire

This event follows the very successful series of seminars given by Jonathan on Building Façades and the research program on Innovative fire engineering at the University of Melbourne.

### ABOUT THE KEY SPEAKER:

**Jonathan Barnett (PhD FIEAust CPEng NER FSFPE PE)**

Jonathan is a fire safety expert with a specialty in the analytical modeling of fire dynamics, smoke movement, and occupant egress. He is the Technical Director of RED Fire Engineers. He uses advanced science and engineering principles and techniques to improve survivability of occupants and buildings exposed to fire-related hazards. He applies computer modeling to enhance the design of building structural systems, building envelope systems, and fire protection systems to achieve an overall greater degree of fire safety. This includes the development and application of performance-based design criteria for new building design, integration of fire safety and fire resistance measures in building renovation, and fire protection code consulting for structures of all types.

In accordance with the results of his analyses, Dr. Barnett establishes building fire safety specifications that are employed by the owner's project team to achieve improved fire safety designs.

Jonathan has been elected to the grade of Fellow in Engineers Australia and is a Chartered Engineer (CPEng, NER). He is a Registered Building Practitioner (EM and EF) in Victoria, C10 Accredited Certifier, Fire Safety Engineering in NSW, and a Registered Professional Engineer of Queensland (RPEQ) and a registered professional engineer (PE) in Massachusetts.

## Symposium

### Aftermath of Grenfell Tower Fire – Are Australian Buildings safe?

**July 4<sup>th</sup> 2017, 4.30-6.30 pm**  
**The University of Melbourne**

*Key Speaker: World renowned Fire Safety Expert*

**Dr Jonathan Barnett,**

*Technical Director*

*RED Fire Engineers -*



**Organised by**  
**The Innovative Fire**  
**Engineering (IFE) Group**  
[innovativefireengineering.net.au](http://innovativefireengineering.net.au)



**University of Melbourne**

**Supported by**

**Centre for Advanced Manufacturing of Prefabricated Housing, The University of Melbourne**

[camph.org.au](http://camph.org.au)



## PROGRAM

- 4.30-6.00 pm **Grenfell Tower Fire – Do we need to worry about our façades? – Jonathan Barnett**
- 6.00-6.30 pm **Fire and Evacuation Modelling, Behaviour of Construction Materials Under Fire and High-rise structures - Dr Kate Nguyen, Prof Priyan Mendis, A/Prof Tuan Ngo, Innovative Fire Engineering Group, University of Melbourne**
- 6.30 pm **Vote of thanks – Dr David Heath, ARC-CAMPH**

## ENQUIRIES

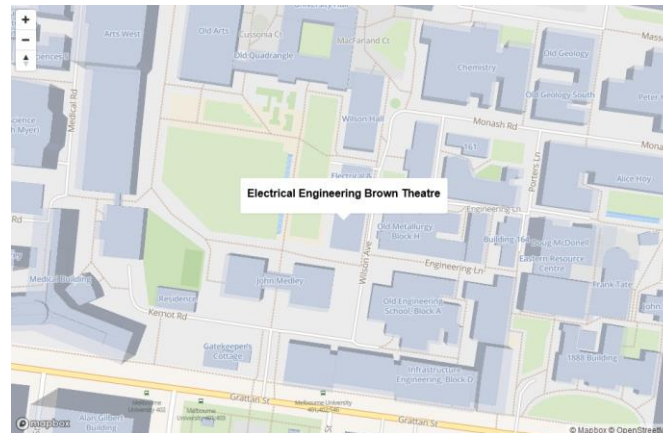
Please contact:

EVENT MANAGER  
Dr. Kate Nguyen,  
Leader, Innovative Fire Engineering Group  
M: 0406 822 279  
Email: kate.nguyen@unimelb.edu.au

or  
Prof. Priyan Mendis  
Department of Infrastructure Engineering  
University of Melbourne, VIC 3010  
Tel: 0419 312 481  
Email: pamendis@unimelb.edu.au

**TIME: 4.30 PM - 6:30 PM**

**WHERE: Brown Theatre, Ground Floor,  
Electrical and Electronic Engineering, The  
University of Melbourne, Parkville 3010**



**COST: FREE**

The numbers are limited, so please register early.

## BOOKINGS

Register on line at

[www.innovativefireengineering.net.au](http://www.innovativefireengineering.net.au)

**PLEASE REGISTER EARLY AS NUMBER  
OF PLACES ARE LIMITED.**