

# The Second International Conference on Structural Safety under Fire & Blast Loading

# CONFAB 2017

## Conference Themes:

- Characterisation of fire, blast and impact loading on structures
- Behaviour of structural materials at high temperatures and high strain rates, including performance of protective materials
- Mechanics of material and structural damage, including the analysis of failure and collapse mechanisms
- Modelling and simulation, including coupled modelling methods
- Design of structures for improved resilience
- Strengthening, retrofit and repair
- Risk and uncertainty modelling as well as performance based engineering
- Safety of high risk facilities such as nuclear power plants
- Applications of sensing, AI and big data in infrastructure safety
- Examples of high-end design case studies in various industry sectors, both on and offshore
- Material Behaviour of Timber Structures under Fire & Blast Loading
- Design of Bridges for Fire & Blast Resistance (Including Cables & Other Appendages)
- Effects of Fire & Blast on Steel Connections
- Effects of Fire & Blast on Facades & Glass Assemblies
- Competing Constraints in the Design Process
- Multi-Hazard Assessment & Design

## Organising Committee

**Asif S Usmani**

Hong Kong Polytechnic University, Hong Kong

**Purnendu Das**

ASRANet Ltd, UK

**Yong Lu**

University of Edinburgh, UK

**Katherine Cashell**

Brunel University London, UK

## Industrial Advisory Board

**Kees Both**, Promat, Belgium

**Allan Jowsey**, AkzoNobel, UK

**Florian Block**, BuroHappold Engineering, Germany

**Susan Lamont**, ARUP, United Arab Emirates

**Richard Haigh**, IKM Consulting, UK

[www.FireAndBlast.co.uk](http://www.FireAndBlast.co.uk)

**Abstract Deadline 31st January 2017. Abstracts should be sent to [info@asranet.co.uk](mailto:info@asranet.co.uk)**