

2-4 September 2019, Brunel University, London, UK



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The Third International
Structural Safety under Fire &

ASRANet

CONFAB

or Papers | Call for Papers | Call for Papers | Call for Papers

Abstract Deadline 1st February 2019.

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

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