

## Fire Safety Engineering in the UK: The State of the Art

**One day symposium, Wednesday 10<sup>th</sup> November 2010**  
**Ashworth Building, University of Edinburgh, King's Buildings Campus**  
<http://www.ed.ac.uk/maps/buildings/ashworth-laboratories>

Please register online at [www.fireseat.org](http://www.fireseat.org) before Friday 5<sup>th</sup> November

9:00	Intro / Welcome	José Torero	University of Edinburgh
9:10	The origins of fire safety engineering in the UK	Dougal Drysdale	University of Edinburgh
9:35	Evaluation of Prevention and Protection activities on commercial, public and heritage Buildings.	S. Raue and Prof. C.W. Johnson	Glasgow University
10:00	How Fire engineering enabled the design of a state of the art regional sports facility	Alistair Murray & Brian Morrell	Buro Happold FEDRA
10:25	Short coffee break		
10:40	Investigation and Factors Affecting Fire Toxicity	Anna Stec	University of Central Lancashire
11:05	A Static/dynamic Procedure for Collapse Analysis of Structure in Fire.	Ruirui Sun, Zhaohui Huang, Ian Burgess	University of Sheffield
11:30	Thermal and Stress Analysis of Glazing Systems under Fire Conditions	Dembele, S., Rosario, R.A.F and Wen, J.X., Dale, S. and Warren, P.D.	Kingston University & Pilkington European Technical Centre
	Break		
12:00	Lab tour & Poster session	Fire Lab	
	Lunch break		
1:30	Burning Questions – how state of the art fire safety techniques can be applied to answer major questions in the Earth Sciences	Claire M. Belcher, Jennifer C. McElwain, Freddy X. Jervis, Guillermo Rein.	University of Edinburgh & University College Dublin
1:55	Effect of Temperature and Ventilation Condition on the Combustion Efficiency of Halogenated and Aromatic Fuels	Katarzyna Kaczorek, Anna A Stec and T Richard Hull	University of Central Lancashire
2:20	Fire CFD modelling applied to offshore design	Sávio Vianna & Asmund Huser,	Det Norske Veritas
2:45	The use of a fire engineering brief to justify the omission of sprinklers.	Chris Chennell	Buro Happold FEDRA
3:10	Research in support of the development of fire safety engineering in the UK – A BRE perspective	David Charters & Debbie Smith	BRE
3:35	Coffee break		
4:00	Fire safety engineering and the role of the insurer	Peter Wilkinson, Dino Bouchlaghem, Kirti Ruikar, Jim Glockling.	Loughborough University, UK & Fire Protection Association, UK
4:25	Smoke control design solution for a curvilinear atrium space.	Gareth Shone.	Buro Happold FEDRA
4:50	The fire safety of joints in composite structures.	S.-S. Huang, J. B. Davison and I. W. Burgess,	University of Sheffield
5:15	Prediction of toxic species in fire	Stephen Welch & Sreebash Paul	University of Edinburgh
5:40	End		

### Costs:

- The conference is **free**. Tea & coffee will be served.
- There is an optional buffet lunch served in the Braidburn Inn. **Cost £15**. This must be booked in advance (please e-mail [Fire.Research@ed.ac.uk](mailto:Fire.Research@ed.ac.uk) to book) and paid in cash on the day.
- A book of proceedings will also be available. **Cost £10**. Paid in cash.