

Annual Conference: Fire Related Research and Developments (RE14)
Thursday 13th November 2014

From 8.30am

Registration + coffee

9.15-9.45am

Welcome & conference opening (Main lecture theatre (MLT))

Keynote presentation
(MLT) (Chair: Dr Tony Jeans)

National operational guidance for incident command:
The psychology of incident command
Sabrina Cohen-Hatton (CFOA)

9.45-10.45am

Parallel sessions

Fire safety in large industrial premises

(Chair: Rowena Hill)

Room PD2

J Fraser-Mitchell (BRE): Fires in warehouses - the costs and benefits of sprinkler systems

Tactical ventilation

(Chair: Rowena Hill)

Room PD2

S Hilton (Tactical Ventilation Solutions Limited): 'Roof Buster' or bust! Cutting/creating roof vents for fire service tactical ventilation operations

Studies of fire service organisation and response

(Chair: Viv Brunsden)

MLT

P Murphy (Nottingham Trent University) and K Greenhalgh (Nottingham University): A review of the current reorganisation of fire services in Ireland

J Glockling (Fire Protection Association): Completed model of UK fire and rescue service response

10.45-11.15am

Coffee/poster displays

11.15-12.45pm

Parallel sessions

Addressing the effects of fire

(Chair: Rowena Hill)

Room PD2

C Holland (BRE): A series of experiments to assess the effect of fire on a selection of electrical cable supports

A Stec (University of Central Lancashire (UCLAN)): Effects of fire conditions on fire toxicity

F Fritz (EmiControls) and G Adey (European Attachments Group Limited): Fire fighting and gas abatement with compact turbines – efficiency and comparison with traditional techniques

Studies in community fire safety

(Chair: Viv Brunsden)

MLT

R Hume and T Simcock (University of Chester): Organisational change at Cheshire Fire and Rescue Service – employee perceptions of community safety work

C Hastie (Coventry University), B Brook (West Midlands Fire Service) and R Searle (Coventry University): Communities, inequality and fire

T Prosser (University of Wolverhampton): A pound of prevention is better than an ounce of cure?

12.45-13.45pm

Lunch/networking/poster displays

13.45-14.45pm

Parallel sessions

Fire protection and building design

(Chair: Rowena Hill)

Room PD2

F Malven (Iowa State University): The ripple effect – a case study of material/technical evolution in building interiors and its impact on fire safety

T R Hull (UCLAN): Fire performance of sandwich panels in a modification to the small room test, ISO 13784-1

Addressing arson and firesetting

(Chair: Viv Brunsden)

MLT

S Why (London Fire Brigade), P Alexandrou and I Greatbatch (Kingston University): An assessment of arson and arson prevention practices in London

J Foster (fabtic Limited), R Morris-Jones (Cognitive Centre) and D Kolko (Pittsburgh University): Keys to success – an evidence based intervention programme addressing firesetting behaviour

Preventing heat illness in harsh operating environments

(Chair: Dr Jeff Goatcher)

Room PD1

L Marsh (Inova Design Solutions Limited): New product innovation: non-invasive core body temperature monitor

Wildfire threat analysis

(Chair: Dr Jeff Goatcher)

Room PD1

J McMorrow (University of Manchester) and Robert Gazzard (Forestry Commission England): Wildfire threat analysis in the forest-urban interface – a scoping study for the Swinley forest area

14.45-15.15pm

Tea/poster displays

15.15-16.45pm

Parallel sessions

Firefighter situational awareness and operational response

(Chair: Dr Jeff Goatcher)

Room PD2

B Gough (Independent) STAR: A personal safety assessment model

G Sallis, D Catherwood, G Edgar, D Brookes and A Medley (CRACKLE): Developing FireMind – a tool for measuring and improving firefighter situation awareness on the fire ground

P Bruski (Iowa State University): Role-differentiated spatial awareness in the fire service

Firefighter resilience, family support and rehabilitation

(Chair: Viv Brunsden)

MLT

R Hill (Nottingham Trent University): Investigating occupation-related consequences for relatives of fire fighters and implications for service managers – full findings

L Blaney (Vancouver Island University): Firefighter resilience – the imperative for the multiple lenses of interdisciplinary research

J Tolfrey (The Fire Fighters Charity): Evaluating the outcome of psychological therapy – a pilot study

16.45pm

Final comments, evaluation & depart

Poster Presentations

J Billings (Oklahoma State University): The Effects of Fire Department Shift Schedules on Sleep Quality

G Daniels and **C Salter** (Hoare Lea Fire Engineering): Further research on open plan apartments

C Hackerott (Oklahoma State University): Measuring social disruption through infrastructure patterns

A Pickerden (Anita Pickerden Associates Limited): Older firefighters – a problem or a resource?

L Sanderson (Nottingham Trent University): Post traumatic growth in fire and rescue service personnel

C Spoons (Walden University): The relationship between live-fire training fatalities and adherence to national standards in the US

**Please Note: These are draft details and may change. Any programme changes will be posted at: www.ife.org.uk/events*