

Annual Conference: Fire Related Research and Developments (RE15) Thursday 12th November 2015

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

From 8.30am

Registration and coffee

9.15-9.45am

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

Keynote presentation

(MLT)

Chair: Dr Tony Jeans

Performance management and financial resilience in the fire and rescue service – a smouldering issue

P Murphy (Nottingham Trent University)

9.45-10.45am

Creating public value and improving services

(MLT)

Chair: Rowena Hill

B Coleman (Nottinghamshire FRS), D Harradine (Nottingham Trent University) and P Murphy (Nottingham Trent University): Greater collaboration between the emergency services - an appraisal of the barriers

Introducing a stove guard safety system to reduce cooking fires

(Room PD2)

Chair: Viv Brunsdon

L Garrett & M Larking (Cheshire Fire & Rescue Service): Investigation into the effects of cooking fire safety mitigation technology and its potential impact on reducing the occurrences of cooker-top fires, injuries and fatalities

Improving technical fire safety literature

(MLT)

Chair: Rowena Hill

F Malven (Iowa State University): A comparison of three methods of communicating fire safety information to building designers

Fire protection and guidance for recreational piers

(Room PD2)

Chair: Viv Brunsdon

J Ivison (John Ivison and Associates): Fires in historic piers - strategies for protection of coastal heritage

10.45-11.15am

Coffee/poster displays

11.15-12.45pm

Parallel sessions

**Fire service organisation, leadership and management
(MLT)**

Chair: Rowena Hill

J Hayden (Nottinghamshire FRS) and P Murphy (Nottingham Business School): Performance management and service improvement - an evaluation of the operational assessment and peer challenge process in England

V Brown (Nottinghamshire FRS) and P Murphy (Nottingham Business School): Internal communication strategies - an evaluation of their use during major service reconfigurations and mergers

K Maher (Loughborough University): Organisational change in a UK Fire and Rescue Service - A longitudinal study assessing the impact on operational performance, health and wellbeing

**Operational preparedness, communication and emergency response
(Room PD2)**

Chair: Viv Brunsdn

G Steptoe-Warren and T Evans (Coventry University): The development of a situational judgement test to assess operational preparedness

F Malven (Iowa State University): Role-differentiated spatial awareness & communication in (U.S.) structural search and rescue operations

L Swan (University of Liverpool): Improving communication with casualties during an emergency

12.45-13.45pm

Lunch/networking/poster displays

13.45-14.45pm

Parallel sessions

**Firefighter health, rehabilitation and wellbeing
(MLT)**

Chair: Rowena Hill

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

N Patton (The Firefighters Charity): Evaluating the effectiveness of rehabilitation programmes for those with a lower limb problem

**Fire investigation
(Room PD2)**

Chair: Viv Brunsdn

P Mansi (Fire Investigations (UK)): Fire investigation road maps and decision trees to assist fire causation identification and improve arson prosecutions

**Shiftwork, sleep and the fire service
(Room PD2)**

Chair: Viv Brunsdn

J Billings (Oklahoma State University): The effects of fire department shift schedules on sleep quality

14.45-15.15pm

Tea/poster displays

15.15-16.45pm

Parallel sessions

**Understanding fire-related behaviour and its implications
for fire service interventions**

(MLT)

Chair: Rowena Hill

J Mytton and T Goodenough (University of the West of England): What do children and young people do when they find themselves in a fire at home? A systematic review of qualitative research

T Simcock (University of Chester): Has the home safety assessment influenced behavioural change?

D Wales and O Thompson (LIFEBID Project): A new perspective on accidental dwelling fires and why it matters

**Hazard perception and decision-making
(Room PD2)**

Chair: Viv Brunsdon

V Kroll (Nottingham Trent University): Developing the fire appliance hazard perception test

D Crundall (Nottingham Trent University): Assessing hazard perception and decision-making skills of fire commanders in an emergency response drive situation

Researching fire safety knowledge and preparedness

(Room PD2)

Chair: Viv Brunsdon

D Knuth (University of Greifswald): Fire safety knowledge and preparedness among the German population

16.45pm

Presentation of the 2015 Gore/FIRE Awards

Final comments, evaluation and depart

Poster Presentations

E Dean & B Frost (Greater Manchester Fire & Rescue Service): Post incident research programme

I Kavanagh, A Goncharenko and **L Goncharenko** (Independent): Tackling fires with WDD (water discharge device (WDD)) - An apparatus for fluid transportation and draining

J Lancaster & S McGuirk (Fire Service Research and Training Trust): Seeking funding? Grant opportunities through the Fire Service Research and Training Trust

K Maher (Loughborough University): Organisational change in a UK fire & rescue service – A longitudinal study assessing the impact on operational performance, health and wellbeing.

T Prosser, V Brunsten and **J Goatcher** (Wolverhampton University): Home fire safety checks in a post crash economy

C Spoons (Walden University): Lessons Learned from the Ebola Response in Dallas, Texas

X Zhang (Sichuan Fire Research Institute of Ministry of Public Security of China): Preparation and evaluation of a novel porous thermal insulation composite used for walls of high-rise buildings

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