

Looking Back, Looking Forward:
Marking 20 years of Fire Related Research, Development and Innovation (RE16)*

Tuesday 15th November 2016
West Midlands Fire Service HQ, Birmingham

From 8.30am

Registration and coffee

9.15-9.30am

Welcome and Introduction (IFE and Anne Eyre)

9.30-10.30am

**Improving Fire and Rescue Services'
(FRS) Operational Response**

Room 1

Chair: Dr Rowena Hill

J Turner (National Operational Guidance Programme) The UK National Operational Learning Project

P Butler (National Operational Guidance Programme) What are UK Fire and Rescue Service Incident Commanders' Non-technical Skills?

**Understanding and Addressing
Firesetting**

Room 2

Chair: Prof Leigh Blaney

G Winship (University of Nottingham) and P Brown (Nottinghamshire FRS) Piloting a counselling intervention focussing on Repeat Referrals of children/young people setting fires

B Wyatt (University of Kent) An exploration of fire professionals' opinions of deliberate firesetting dangerousness: a thematic analysis

**Organisation and Management of
Fire and Rescue Services**

Room 3

Chair: Mr Peter Murphy

D West (Nottinghamshire FRS) and P Murphy (Nottingham Trent University) An appraisal of the current and future use of the Retained Duty System in Fire and Rescue Services in England

C Clark (Nottinghamshire FRS) and P Murphy (NTU) A case study of the management of the amalgamation of the Specialist Rescue Team back into station activities within Nottinghamshire Fire and Rescue Service

10.30-11.00am

Coffee/poster displays

11.00-12.30pm

Parallel sessions

**The Role of Fire and Rescue Services (FRS)
in Community Safety and Community Engagement**

Room 1

Chair: Dr Rowena Hill

C Hastie (Coventry University) Community engagement and fire prevention: implications for FRS and fire safety interventions

T Simcock (University of Chester) Exploring the changing roles of FRS employees from a psychological perspective

A Mills (South Yorkshire FRS) Press to Test – testing ‘nudge’ theory in a fire and rescue world through a study of FRS’ marketing and communication

Fighting Fires and Fire Safety in Particular Environments

Room 2

Chair: Dr Peter Wilkinson

R Carvel and A Majdalani (University of Edinburgh) Strategies for fire-fighting in basements

F Fritz (EmiControls) Turbine aided firefighting in tunnels: practical experiences and supporting theoretical concepts

Jim Baker (University of Edinburgh) Social Aspects of Fire Safety

12.30-13.30pm

Lunch/networking/poster displays

13.30-14.30pm

Parallel sessions

Firefighter Health, Welfare and Wellbeing: Organisational Implications

Room 1

Chair: Dr Rowena Hill

G Spriggs (Langford Fire Rescue Service) and L Blaney (Vancouver Island University) Enhancing firefighter resilience: the journey from research to action

K Maher (Loughborough University) Organisational change within a UK Fire and Rescue Service: a longitudinal mixed methods project assessing the impact of the introduction of a live-in shift system

Collaborative Working

Room 2

Chair: Dr Tony Jeans

J Mills (Nottinghamshire FRS) and P Murphy (NTU) Barriers to collaborative investigations for the East Midlands Fire and Rescue Services

P Murphy (NTU) An appraisal of the current proposals for increased collaboration in non-response services between the 3 blue light emergency services, and the proposed roles for Police and Crime Commissioners in the governance and management of Fire and Rescue Services

Innovations in Fire Suppression and Fire Modelling

Room 3

Chair: Dr Peter Wilkinson

C Benson and G Fernandez-Cerezo (London South Bank University) Challenges for the development of EFFICIENT - An Environmentally Friendly Fire Suppression System for Cargo using Innovative Green Technology

S Dembele (Kingston University) Modelling pool fires and hazards prediction: progress and challenges

14.30-15.00pm

Tea/poster displays

15.00-16.30pm

Parallel sessions

**Firefighter Health, Welfare and Wellbeing:
Organisational Implications *(contd)***

Room 1

Chair: Dr Rowena Hill

E Dean and B Frost (Greater Manchester FRS)
Understanding occupation risk of suicide for UK
firefighters

L Sanderson (Nottingham Trent University) Post-
traumatic growth in Fire and Rescue Service
personnel

C Abbott (Nottinghamshire FRS) Exploring how
mindfulness training impacts on the mental health of
fire service personnel

Preventing Heat Illness in Harsh Operating Environments

Room 2

Chair: Mr Peter Murphy

L Marsh and A Creighton (Inova) Preventing Firefighter Heat Injury
through Wearable Technology: Bodytrak

Community Resilience and Emergency Preparedness

Room 2

Chair: Mr Peter Murphy

D Davis (Pop-Alert Consortium) Improving population preparedness
and community resilience in crises: the Pop-Alert Project

Accounting and Transparency in Fire and Rescue Authorities

Room 2

Chair: Mr Peter Murphy

T Spencer, J Hayden and P Murphy (NTU) An appraisal of the current
and future use of 'Statements of Assurance' required of Fire and
Rescue Authorities in England

16.30pm

Presentation of the tenth 2016 Gore/FIRE Awards

Final comments, evaluation and depart

Poster Presentations and Displays

1. J Baker (University of Edinburgh) Social Aspects of Fire Safety
2. L Blaney (Vancouver Island University) As the devil dances: a constructivist grounded theory of resilience in volunteer firefighters
3. B Gough (Coventry University) The 'moment of choice': A human factors analysis of firefighter injury sustained during emergency response operations
4. G Liaudanskaite and E Dean (Greater Manchester Fire and Rescue Service (GMFRS) and University of Salford) Mapping research relationships between GMFRS and University of Salford
5. J Littlewood (Cardiff Metropolitan University) An overview of a new methodology for the selective measurement of building performance and safety
6. V Mozer (University of Žilina) and P Wilkinson (Pyrology) Assessing fire protection levels within the built environment
7. Fire Service Research and Training Trust (FSRTT) Seeking Funding? Grant Opportunities through the Fire Service Research and Training Trust
8. D Perrott, M Quinn and E Beddows (South Yorkshire Fire and Rescue Service) HOPE Trauma Support Programme
9. C Spoons (Walden University) The Relationship Between Live-Fire Training Fatalities and the Use of Unapproved Fuels
10. P Wilkinson (Pyrology) and C Smith (British Standards Institution) The development of fire safety engineering standards

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