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A photograph of a tall, modern building with a glass and concrete facade. The building is engulfed in flames, with bright orange and red fire visible through the windows and on the exterior. Thick, dark grey smoke billows from the top of the building, filling the sky. The sky is a mix of white and grey clouds.

FIREX
INTERNATIONAL

HIGH RISE FIREFIGHTING CONFERENCE

On-Line | Wednesday 7 October 2020

www.tallbuildingfiresafety.com

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Conference on Thursday 10th September

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Welcome

Conference will be chaired by

ROY WILSHER OBE QFSM



I am delighted to open this conference and welcome colleagues from both the UK and internationally.

The UK fire sector continues to face significant challenges as we work through the impacts of the Grenfell Tower fire, the Building Safety Programme, the HMICFRS State of Fire report

and a spending review. All of this requires us to work together to share and learn from the experiences and expertise available to us from a local to international level. Globally we all face issues from an increasing number of tall buildings along with an apparent shortage of expertise in the built environment changing our expectations of how buildings will react in fires. In the UK we have seen that compartmentation, cavity barriers, fire stopping, protected escape routes and other cladding systems, including certain types of HPL are giving cause for concern.

Through the National Fire Chiefs Council (NFCC) the UK Fire and Rescue Service is working together to drive improvement and development, reduce duplication and support local delivery as well as ensuring that Fire and Rescue Services (FRSs) have a professional voice on the national stage. Our discussions in Council have confirmed that we need to adjust our Integrated Risk Management Plans (IRMP) to take account of the failures in the building safety system. NFCC is producing a set of standardised tools for FRSs to enable consistent identification, assessment and mitigation strategies for community risk. We have ensured that National Operational Guidance (NOG) has been updated to include issues such as external breaches of compartmentation and we commissioned a further piece of work more specifically about operational response to a Grenfell type incident.

As an organisation we are keen to ensure that the experiences and learning from the UK fire sector is discussed as widely as possible and so I am pleased to be chairing a conference like this with a variety of speakers including two of the NFCC Committees Chairs and audience comprising of a third of international delegates.



NFCC
National Fire
Chiefs Council





TALL BUILDING FIRE SAFETY MANAGEMENT COURSE

Recognised by the Institution of Fire Engineers

Management of Fire Safety in Tall Buildings is essential if the risk of fire is to be kept within acceptable limits. More and more Tall Buildings are being built, and existing Tall Buildings modified and changed. Tragic fires in the recent past have shown how Tall Buildings can pose real challenges to firefighters and those charged with evacuating occupants. Competent fire safety management is the key to fire prevention.

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I attended the training course for fire safety management in tall buildings; although I have been doing fire safety for over 20 years this course really opened my eyes to the plethora of problems that have to be addressed when managing multi occupants in tall buildings and should not be underestimated. The instructors' were first class they brought their wealth of knowledge and practical experience to all the problems that can occur in these types of buildings and it was illuminating. I would thoroughly recommend this course to any person who has to manage fire safety in tall buildings.



DATES AND LOCATIONS OF NEXT COURSES

17-21 Aug 2020

on-line

19-23 Oct 2020

on-line

Tall Building Fire Safety Network Ltd

Unit 10, Maple Leaf Business Park, Ramsgate, Kent, UK. CT12 5GD

Contact email: russ.timpson@tallbuildingfiresafety.com



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HIGH RISE FIREFIGHTING

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Question Time...

13:00 - 13:30 The Panel to answer questions...

Panellists:

High Rise Lead (UK Fire Service College)

Curtis Massey

Terry Johnson (Dubai Civil Defence) (TBC)



Conference Agenda

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WEDNESDAY 7TH OCTOBER 2020

HIGH RISE FIREFIGHTING – TECHNIQUES, CASE STUDIES, INNOVATION AND BEST PRACTICE

Chairperson: **Roy Wilsher, NFCC**

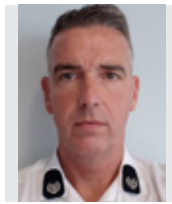
- 09:45** Conference on line portal/platform open for delegates to 'arrive'
- 10:00** Welcome and Opening Comments – Conference Chair
- 10:20** Keynote – Merseyside FRS, Feedback from large-scale High-Rise Fire Exercise
- 11:00** Mark Reilly, Australia – Tactics for dealing with external ascending wall fires
- 11:30** Adam Course, UK IFE – Tactics for dealing with an electric car fire in High Rise underground car park
- 12:00** Chris Lowther, CFO Tyne and Wear FRS and Chair of NFCC Operations Committee – Update on high rise operations thinking
- 12:30** Demonstration of Virtual Reality High Rise Firefighting Training from RiVR.
- 13:00** Question Time
- 13:30** Break
- 14:00** Mark Hardingham, CFO Suffolk FRS and Chair of the NFCC Protection committee – Update on the high rise building safety regime
- 14:30** Michael Reick, Germany – Firefighting Smoke Control in High Rise Fires
- 15:00** Brent Brooks, Canada – High Rise Firefighting Nozzle Techniques
- 15:30** Sean DeCrane, Underwriters Laboratories, Mass Timber Buildings – The US Developments.
- 16:00** Question Time
- 16:30** Close



ROY WILSHER OBE QFSM

Roy was appointed as the first Chair of the National Fire Chiefs Council (NFCC) in April 2017. In his role as Chair, Roy represents the NFCC in national and international forums. He provides guidance and support to Officers and Fire and Rescue Services all over the United Kingdom. Roy also represents Fire and Rescue in a range of government and sector forums and is the first line of advice to Ministers during major incidents.

Roy's career in the Fire Service has spanned some 35 years. Roy joined London Fire Brigade in 1981 rising to Assistant Commissioner for Community Fire Safety. In 1996 Roy achieved a 1st Class B.Eng(Hons) Fire Safety Engineering. In 1998 Roy became Senior Divisional Fire Safety Officer, responsible for 11 boroughs in North and West London. In 2000 he became a Chartered Engineer. Roy joined Hertfordshire in 2004 and was appointed Chief Fire Officer in 2005 and Director for Community Protection and Chief Fire Officer in 2011. From 2013- 2017 Roy was the Chief Executive for the Hertfordshire Police and Crime Commissioner.



BARRY MOORE is a Group Manager with Merseyside Fire & Rescue Service and is currently the Operational Training Manager. He has worked for the Service for 27 years spending the first 17 years on operational fire appliances where he moved through the ranks to Watch Manager. He has been part of the senior team within Merseyside for the past 10 years and in this time has created and developed the Operational Assurance Team and managed a number of Fire Stations in relation to operational performance and service delivery. Prior to moving into Operational Training at the start of this year, Barry had spent the previous 3 years with the responsibility for Health & Safety. Barry also led the High Rise review within Merseyside following the Coroner's report from the Shirley Towers incident in Hampshire.



MARK REILLY has over 35 years' experience in crisis and emergency management working in public sector and private industry as a consultant and as a fire commander in both major metropolitan and regional fire commands. More recently he was the manager of structural fire safety in Australia's largest fire and rescue service. He has managed a number of multidisciplinary teams supporting Major Infrastructure Projects, Fire Safety Studies, Major Hazard Facilities, Fire Safety Inspections and supported the NSW Cladding Task Force.

Mark has extensive experience and expertise in governance and is a non-executive Director on three boards, one of which, Upstream Energy provides solar powered alternate energy source opportunities for remote installations in regional Australia.

Mark has degrees in Public Sector Management, Applied Management, Emergency Management, Fire Engineering and Executive Leadership. Mark also holds qualifications in Work Health and Safety and Risk Management.

Mark is a Companion Member of the Institution of Fire Engineers and has been active on State, National and International boards and committees for over 25 years.

Mark rides a BMW F800GSA and has ridden the five major deserts of the Australian red centre as well as many, many outback dirt tracks in search of adventure.



PROF. DR. -ING. MICHAEL REICK

Michael is a regional fire chief in Göppingen, Germany. With his background as a former head of a fire testing institute and work experience in fire safety engineering his topic is the connection between these disciplines and operational firefighting. He worked in numerous research projects regarding smoke spread control in building fires with the aim to enable firefighters to avoid smoke spread into egress routes and to positively influence fire dynamics. He developed the portable smoke blocking device (smoke stopper) which is widely used by fire services around the world.

Presentation: Smoke spread control with SmokeStoppers – a mandatory task for the fire service

Portable smoke blocking devices have been used by fire services around the world in thousands of real incidents and saved many lives – civilians and firefighters. The theory behind it and lessons learned from real fireground experience are presented in this presentation.

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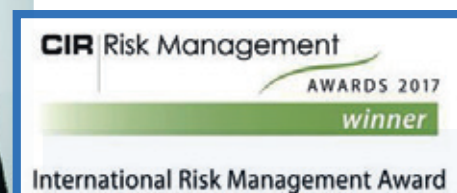
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BRENT BROOKS

Brent is currently an acting Captain with Toronto Fire Services. His 24 year career with firefighting started at Pearson Airport, with continuing duties at (De Havilland) and Bombardier Aero Space Crash Fire Rescue teams. He is assigned to Toronto's High Rise Unit and CBRNE team. Brent has developed the IMS, training and RND for High Rise Operations. Brent's experience includes serving on numerous committees all related to High Rise Firefighting. He continues to travel North America attending conferences, symposiums, and hands on training pertaining to High Rise Firefighting. He has spoken on complex building systems and attends the Council of tall buildings when it is in Toronto. Brent shares information with Fire Departments from all over the world and has developed a network with firefighters related to High Rise Firefighting.



MARK HARDINGHAM QFSM

Chief Fire Officer, Suffolk Fire and Rescue Service
Fire and Public Safety, Suffolk County Council

Mark began his fire service career 30 years ago in Essex, transferring to Suffolk in 2010 where he was appointed Chief Fire Officer in 2013. Within the County Council and alongside his CFO role he has held a broad range of responsibilities including Highways, Passenger Transport, Emergency Planning, Trading Standards, Community Safety and Health & Safety. Mark has been the Chair of the National Fire Chiefs Council Protection & Business Safety Committee since 2017, chairs the County Council Chief Fire Officer's Group and has led several FRS Peer Challenges. On a personal level, Mark is married to Vickie and they have two boys aged 19 and 22. He is a frustrated West Ham fan, even more frustrated golfer and a keen watcher of most sports.



ADAM COURSE has been at Avon Fire and Rescue Service for 12 years and has spent many years studying firefighter fatality incidents, serious accidents and where possible near misses.

Since June 2016 Adam has been on a secondment to the IFE and National Operational Guidance/National Operational Learning (NOG/NOL). The IFE Firefighter Safety Database which forms a web-based information/learning database where all available UK firefighter fatality and firefighter near miss information can be accessed, shared and learnt from by interested parties. The Firefighter Safety Database is designed to be a one stop shop for information.

Phase 2 of this project is expanding to an international scale project run by the IFE. Each country would have its own section of the site to highlight the same firefighter safety events. Phase 3 of the project will enable any incident of interest (high rise/tall building fires, wildfires, historic fires, nightclub fires, commercial fires, informal settlement fires, industrial, transport related incidents, HAZMAT etc), not directly linked to firefighter safety, but often with overlapping themes, where mainly multi fatality and/or near multi fatality incident information can be accessed in one place. The various technical fire safety and fire engineering themes and lessons are expected to be a prominent feature in phase 3.

Adam has been part of the branch committee for the IFE Mid-Western branch since it was reactivated 11 years ago, holding position of Membership Officer, Events Co-ordinator and is the current Branch Vice President and International General Assembly (IGA) Representative. He has also been IGA Vice Chair and Chair. Adam has presented at a number of conferences, seminars and other events both internationally and nationally.

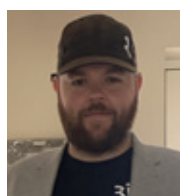
Adam holds an honours degree in Environmental Science gained at The University of Plymouth in 2000 and is a Member of the Institution of Fire Engineers.



SEAN DECRANE Sean DeCrane retired as a 25+ year veteran of the Cleveland Division of Fire. He served in various roles including the Director of Training and Chief of Operations retiring as a Battalion Chief. Sean is currently the Manager of Industry Relations for the Underwriters Laboratories Building Life Safety, Security and Technologies Division.

Sean has been involved in the research at Underwriters Laboratories and the National Institute of Standards and Technology. He served on the UL Fire Council and is a member of the UL Fire Fighter Safety Research Institute's Advisory Board.

Chief DeCrane also represented the International Association of Fire Fighters in the International Code Council process and has served on the 2009, 2012, 2105 and 2018 Fire Code Developing Committee and as Chair for 2015 and 2018. Sean served on the NFPA 1 Technical Advisory Panel, NFPA Research Foundation on Tall Wood Buildings and is serving as the Chair of the Fire Test Work Group for the ICC Tall Wood Building Ad Hoc Committee.



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