

## Understanding the Movement of Toxic Chemicals Through Firefighters Protective Clothing and PPE

### Programme

Time	Title	Presenter
15:00-15:10	<i>Welcome &amp; Introduction</i>	<b>Svetlana Tretsiakova-McNally</b> , Senior Lecturer and Principal Investigator, Ulster University, UK
15:10-15:30	<i>Singapore's Approach - Protecting Firefighters from Toxic Fire Effluent</i>	<b>Chen Yong Kai</b> , Lieutenant - Colonel, Senior Assistant Director, Singapore's Fire Safety Department, Singapore
15:30-15:50	<i>Membranes in Motion – Realising Toxins Through Breathable Membranes</i>	<b>Arlene Kidd</b> , Director, Ardmel Group Ltd, UK
15:50-16:10	<i>Firefighters PPE – Complex Requirements and a Balanced Approach</i>	<b>Brett Egan-Briers</b> , Vice-Chair NFCC PPE, National Fire Chiefs Council, UK
16:10-16:20	<i>Comfort break</i>	
16:20-16:40	<i>Through the Gear: The Hidden Threats Firefighters Face from Toxins and Evolving Hazards</i>	<b>Kevin Howlette</b> , Director of projects, EHS International, Ireland
16:40-17:00	<i>Operational Factors Affecting Fire Contaminants</i>	<b>Adam Stone</b> , Station Officer, London Fire Brigade, UK
17:00-17:15	<i>How Effective are Gears at Blocking Chemical Exposure? What the Experiments Say</i>	<b>Hamed Rasouli Sadabad</b> , Research Associate, Ulster University, UK
17:15-17:25	<i>Comfort break</i>	
17:25-17:45	<i>Internal Combustion Engine Vehicles versus Electrical Vehicles: Chemical Characterization of Vehicle Fires</i>	<b>Richard Kesler</b> , Research Engineer, Fire Safety Research Institute, USA
17:45-18:00	<i>A Survey on Limitations of Decontamination Procedures for Firefighters' PPE</i>	<b>Hamed Rasouli Sadabad</b> , Research Associate, Ulster University, UK
18:00-18:15	<i>The InToxFIRE project: Review of the First Year</i>	<b>Svetlana Tretsiakova-McNally</b> , Senior Lecturer and Principal Investigator, Ulster University, UK
18:15-18:45	<i>Discussion. Q&amp;A session.</i>	
18:45-18:50	<i>Workshop Closing</i>	<b>Svetlana Tretsiakova-McNally</b> , Ulster University, UK



Research  
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