

# 2<sup>nd</sup> SFPE EUROPEAN CONFERENCE ON FIRE SAFETY ENGINEERING

5-6 February 2018

Hilton - Rotterdam, The Netherlands

Saturday, 3 February	
0800-1730	SFPE Board of Director's Meeting
1830-2100	SFPE Board Dinner
Sunday, 4 February	
0900-1430	ECCG Meeting
0800-1530	SFPE Board of Director's Meeting
1530-1730	Joint SFPE Board of Director's and ECCG Meeting
1730-1930	Opening Reception
Monday, 5 February	
0700-0830	Expo
0800-1700	Registration
0900-1800	Expo
General Session	
0900-0920	<b>Welcome to SFPE Europe 2018</b> <i>J.C. Harrington, SFPE President; Armelle Muller, SFPE Europe President; Peter van de Leur, Benelux Chapter President; Kees Both, Benelux Chapter Vice President</i>
0920-0950	<b>Challenges for Performance-Based Design and Regulations Related to Health Care Facilities, Industrial Sites, Transportation and Retrofitting of Existing Buildings</b> <i>Patrick van Hees, Lund University</i>
0950-1020	<b>Risk Based Approach to Transportation, Health Care Facilities, Industrial Sites, and Retrofitting of Existing Buildings</b> <i>David Charters, Risktec Solutions</i>
1020-1050	<b>Morning Break</b>
Session A: Healthcare	
Session B: Redevelopment and Retrofit	
Moderator: Armelle Muller	
Moderator: Gary Daniels	
1050 -1110	<a href="#"><u>International Review of Healthcare Life Safety Concepts</u></a> <i>Michael Crowley, JENSEN HUGHES</i>
1110-1130	<a href="#"><u>A Case Study Comparing the British Healthcare Guidance with the Spanish Fire Safety Regulations</u></a> <i>Felipe Herrera &amp; Stephen Ball, Trenton Fire Ltd</i>
1130-1150	<a href="#"><u>Evaluation of Measures to Limit Smoke Spread in Hospitals</u></a> <i>Daan Jansen &amp; Tom van Leeuwen, Royal Haskoning DHV</i>
1150-1210	<a href="#"><u>A Semi-Quantitative Fire Risk Tool for Health Care Occupancies</u></a> <i>William Koffel, Koffel Associates</i>
1210-1220	Q&A
1220-1325	Lunch

Session A: Transport and Logistics		Session B: Industrial Hazards	
Moderator: Armelle Muller		Moderator: Jimmy Jönsson	
1330-1350	<a href="#">Fire Safety of Parking Garages in View of Current Trends</a> <i>Peter van de Leur, DGMR Consulting Engineers</i>	<a href="#">Keep Industrial Fire Protection Provisions Fit for Purpose Using Performance-Based Inspection, Testing, and Maintenance Frequencies</a> <i>Jeanne van Buren, Marsh Risk Consulting</i>	
1350-1410	<a href="#">Shear Stress of Columns in a Car Park Subjected to a Localized Fire</a> <i>Olivier Burnier, FSE Fire Safety &amp; Engineering SA</i>	<a href="#">Experimental Evaluation on Hydrogen Explosion Hazards in Industrial Battery Rooms</a> <i>Dorota Brzezinska, Lodz University of Technology</i>	
1410 -1430	<a href="#">Fire Safety Design of a High-Rise Building near Transport Route of Dangerous Goods</a> <i>Johan Koudijs &amp; J. (Johan) Hoogeweg, DGMR Consulting Engineers</i>	<a href="#">Challenges to Develop Design Fire Scenarios from Fire Risk Analysis on Offshore Facilities</a> <i>Laurent Paris &amp; Nicolas Bal, TechnipFMC</i>	
1430-1450	<a href="#">Implementation of a Priority Based Emergency Management System in the "Antigoon" Rail Freight Tunnel in the Port of Antwerp</a> <i>Lieven Schoonbaert &amp; Stijin Eeckhaut, Ifrabel/Tractebel</i>	<a href="#">Wet-Pipe and Dry-Pipe Sprinkler Protection for Rack Storage of Distilled Spirits in Oak Barrels under 12.2-m Ceilings</a> <i>Jaap de Vries, FM Global</i>	
1450-1500	Q&A	Q&A	
1500-1530	Afternoon Break		
Session A: Research		Session B: Healthcare	
Moderator: Kees Both		Moderator: Jimmy Jönsson	
1530-1550	<a href="#">Identification of Back Draught Conditions</a> <i>Chia Lung Wu &amp; Ricky Carvel, BRE Center, University of Edinburgh</i>	<a href="#">Specific Egress Times for Different Groups of (Vulnerable) Hospital Patients</a> <i>Bjorn Peters &amp; Paul Hoondert, DGMR Consulting Engineers</i>	
1550-1610	<a href="#">Nordic Standard for Review and Control of Fire Safety Engineering and Innovative Solutions</a> <i>Johan Noren, Fredrik Nystedt, &amp; Michael Stromgren, Briab</i>	<a href="#">Surgical Fires: Prevention, Suppression, and Response</a> <i>Charles Cowles, University of Texas MD Anderson Cancer Center</i>	
1610-1630	<a href="#">Fire and Smoke Behavior: on the Border between inside and Outside</a> <i>E.W. Janse, BVEJ</i>	<a href="#">Healthcare Facility Designers and the Holy Faith in Building Rules</a> <i>Hans Sevenstern, Marsh Risk Consulting B.V.</i>	
1630-1650	<a href="#">Overview of Recent Research for the Fire Service: Practice and Science Connected</a> <i>Ricardo Weewer &amp; Lieuwe de Witte, IFV Fire Service Academy</i>	<a href="#">Is a Code Compliant Design Sufficient to Ensure Adequate Safety Levels When Evacuating a Hospital? A Spanish Research Study</a> <i>Olaf Perez Salgueiro &amp; Jimmy Jönsson, JVVA Fire &amp; Risk</i>	
1650-1700	Q&A	Q&A	
1800-2000	<b>Women in Fire Safety Reception (Open to All Attendees)</b> Sponsored by  		

Tuesday, 6 February	
0800-1700	Registration & Expo (expo breakdown after lunch)
0830-0840	<b>Welcome and SFPE Overview</b> <i>J.C. Harrington, SFPE 2018 President</i>
0840-0900	<b>Fire Information Exchange Platform</b> <i>Georgios Katsarakis, European Commission</i>
0900-0930	<b>Emerging Issues and Associated Research, Innovation and Technology Needs</b>

	<i>Brian Meacham, Meacham Associates, SFPE President-Elect</i>	
0930-1000	<b>Core Competencies &amp; Credentialing</b> <i>Jimmy Jönsson, JVVA Fire &amp; Risk</i>	
1000-1030	<b>Morning Break</b>	
<b>Session A: Industrial Hazards</b>		
<b>Session B: Research</b>		
<b>Moderator: Kees Both</b>		<b>Moderator: Gabriele Vigne</b>
1030-1050	<a href="#"><u>Case Study of a Specific Fire Engineering Design for Large Enclosed Assembly Spaces</u></a> <i>Pedro Armijo, JENSEN HUGHES and Tim O'Brien, FireNZW</i>	<a href="#"><u>Experimental Assessment on the Capabilities of Fixed Compressed Air Foam Systems</u></a> <i>Michael Isirima, Ulster University</i>
1050-1110	<a href="#"><u>Design of Oxygen Reduction Systems in Active Fire Protection Strategy</u></a> <i>Piergiacomo Cancelliere, Ministry of Interior Italian National Fire and Rescue Service</i>	<a href="#"><u>Computational Simulation of Timber Charring in an Approach Across Scale</u></a> <i>Franz Richter &amp; Guillermo Rein, Imperial College UK</i>
1110-1130	<a href="#"><u>Fire Risk Assessment as the Key Element of a Bow-Tie Based Fire Safety Management System to Design Fire Safety Strategy for Railway Stations</u></a> <i>Luca Fiorentini, TECSA</i>	<a href="#"><u>Numerical Modeling of ETICS Façade Fire Testing</u></a> <i>Marion Meinert, DBI</i>
1130-1150	<a href="#"><u>An Engineering Approach Using Numerical Simulation to Calculate High-Bay Warehouse Structural Collapse: Challenges and Guidelines</u></a> <i>Shihab Rahman, INERIS</i>	<a href="#"><u>Rapid Fire Engineering Concept Using Fire Platform Package</u></a> <i>Piotr Tofilo, Poland Fire Brigade</i>
1150-1210	<a href="#"><u>Fire Safety on Worksite during Reconstruction of Office Buildings</u></a> <i>Par Hansson, FSD Gothenburg</i>	<b>Research Roadmap</b> <i>Chris Jelenewicz, SFPE</i>
1210-1220	<b>Q&amp;A</b>	<b>Q&amp;A</b>
1220-1325	<b>Lunch</b>	
<b>Session A: Industrial Hazards</b>		
<b>Session B: Research</b>		
<b>Moderator: John van Lierop</b>		<b>Moderator: Gabriele Vigne</b>
1330-1350	<a href="#"><u>Development of In-Rack Sprinkler Protection Guidance for Mini-Load Automatic Storage and Retrieval Systems</u></a> <i>Benjamin Ditch, FM Global</i>	<a href="#"><u>Assessment of the Predictive Capabilities of Computational Modelling Tools to Forecast Hydrocarbon Pool Fire Effects</u></a> <i>Borja Rengel, CERTEC- UPC</i>
1350-1410	<a href="#"><u>The Silent Dangers of Acoustics and Code Compliance</u></a> <i>Kevin Bilton &amp; Rachel Ashworth, BAE Systems Marine, Ltd</i>	<a href="#"><u>Propagation of Fire underneath PV Arrays on Flat Roof Constructions</u></a> <i>Jens Steemann Kristensen &amp; Grunde Jomaas, University of Edinburgh</i>
1410-1430	<a href="#"><u>Fire Protection Sea Lock Gates - Ijmuiden</u></a> <i>Ruud van Herpen, Nieman Consulting Engineers</i>	<a href="#"><u>Information Technologies in Educating Fire Safety Specialists</u></a> <i>Serhii Tsvyrkun, Cherkasy Institute of Fire Safety</i>
1430-1450	<a href="#"><u>Quantified Fire Risk Assessment for the Fire Safety Design of Bridges</u></a> <i>Graeme Flint, Ove Arup &amp; Partners, UK</i>	<a href="#"><u>Considering Pedestrians with Special Needs in Evacuation – Predicting the Unpredictable?</u></a> <i>Paul Geoerg, Bundesanstalt fuer Materialforschung Und-pruefung BAM &amp; Stefan Holl, Juelich Research Center</i>
1450-1510	<b>Q&amp;A</b>	<b>Q&amp;A</b>
1510-1530	<b>Afternoon Break</b>	
<b>Session A: Transport &amp; Logistics</b>		
<b>Session B: Retrofit &amp; Redevelopment</b>		
<b>Moderator: John van Lierop</b>		<b>Moderator: Peter van de Leur</b>

1530-1550	<a href="#">Fire Protection Engineering Application to Benefit the China's Leading Development of the Large Transportation System</a> <i>Fang Li, JENSEN HUGHES</i>	<a href="#">Bulk Challenges – Creating a New Museum Storage Facility within an Existing Warehouse</a> <i>Andrew Campbell, Holmes Fire LP</i>
1550-1610	<a href="#">Performance-Based Structural Fire Expertise of a Semi-Buried Railway Station</a> <i>Eric Tonicello, ISI – Ingénierie et Sécurité Incendie – Lausanne</i>	<a href="#">Consideration in the Selection of Exterior Wall Systems for Retrofit Application</a> <i>Daniel Lemieux, Carl Baldassarra, &amp; Nicholas Ozog, Wiss, Janney, Elstner Associates, Inc</i>
1610-1630	<a href="#">Jet-Fan Systems in Car Parks – Design Methods Overview and Assessment of the Performance</a> <i>Wojciech Wegrzynski &amp; Grzegorz Krajewski, Building Research Institute</i>	<a href="#">Issues to Consider When Redeveloping a Building</a> <i>Yen Fang Tu, University of Canterbury</i>
1630-1650	<a href="#">Quantification of the Consequences of Terrorist Attacks Using Fire Bomb on People and Railway Station Structures RE(H)STRAIN</a> <i>Anne Thiry-Muller, LCCP &amp; Virginie Drean, Efectis France</i>	<a href="#">Using Risk Analysis to Improve Patient Safety</a> <i>Monique Berrevoets-Steenbakker, &amp; Marije Vos, Antea Group</i>
1650-1710	Effect of Heating Rate on Burning Behaviour of Organic Peroxide in Steel Drums and IBCs <i>Kirti Bhushan Mishra, Technological Risk Research and Analysis Group (TRAG)</i>	<a href="#">Performance-Based Design of the Lausanne University Library</a> <i>Slyvain Desanghere, Lombardi SA</i>
1710-1720	Q&A	Q&A
1730	Conference Adjourns	
<b>Wednesday, 7 February – Professional Development Seminars</b>		
0730-1700	Registration	
0800-1700	<b>Fire Dynamic Simulation (FDS) (2 days)</b> <i>Instructor: Gabriele Vigne, Director, JVVA Fire &amp; Risk</i> <a href="#">Seminar Info</a>	
0800-1700	<b>Protecting Flammable and Combustible Liquids (2 days)</b> <i>Instructor: David Nugent, Manager of Code &amp; Project Services, Global Risk Consultants</i> <a href="#">Seminar Info</a>	
0800-1700	<b>Stationary Fire Pumps – Beyond the Basics Engineered Solutions to Hydraulic Challenges (1 day)</b> <i>Instructor: Brad Cronin, Lieutenant, Rhode Island Fire Department</i> <a href="#">Seminar Info</a>	
0800-1700	<b>Introduction to Performance-Based Design in Europe (1 day)</b> <i>Instructor: Michael Strömgren, Research Specialist, Briab</i> <a href="#">Seminar Info</a>	
<b>Thursday, 8 February – Professional Development Seminars</b>		
0730-1700	Registration	
0800-1700	<b>Fire Dynamic Simulation (FDS)</b> <i>Instructor: Gabriele Vigne, Director, JVVA Fire &amp; Risk</i> <a href="#">Seminar Info</a>	
0800-1700	<b>Protecting Flammable and Combustible Liquids</b> <i>Instructor: David Nugent, Manager of Code &amp; Project Services, Global Risk Consultants</i> <a href="#">Seminar Info</a>	

\*Last updated 1/16/17