



April 23-24, 2018 – Educational Seminars | April 25-27, 2018 - Conference

Pre-Conference Activities

Professional Development Seminars

Rooms	Monday, April 23	Tuesday, April 24
TBD	Advanced Fire Dynamics Simulator	
TBD	Stationary Fire Pumps – Beyond the Basics Engineered Solutions to Hydraulic Challenges	
TBD	Fire and Life Safety Design of Very Tall Buildings: Challenges and Strategies	Performance Based Design and Codes

*All courses are scheduled to begin at 0800 and conclude by 1700.

Monday, April 23	
0800-1730	Board Meeting
1830-2100	Board Dinner
Tuesday, April 24	
0900-1700	Board Meeting
0900-1700	AOCCG Meeting – TBD
1300-1730	Technical Tours – TBD
1400-1700	Registration
1500-1700	Expo Setup

Registration

Available daily on 25-27 April 2018 from 0700 to 1700.

Exhibit Hours

Wednesday, Thursday, and Friday during breakfasts, breaks, and lunches.

Poster Session

Exciting topics displayed throughout the Exhibit Area with their authors available to discuss.

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Day 1 - Wednesday, April 25			
0715-0755	Breakfast in Exhibit Area		
0800-0820	Welcome Remarks for the 2018 SFPE President, the SFPE Hawaii Chapter, and Introduction of Conference Program Chairs – JC Harrington, TBD, Peter Johnson, and Brian Meacham		
0820-0855	General Session: Marco Polo High Rise Fire, Prevention, Preparedness, and Response- Manuel Neves		
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0950-1000	Q&A Discussion		
1000-1030	Morning Coffee Break in Exhibit Area		
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1210-1230	Q&A Discussion		
1230-1330	Networking Lunch in Exhibit Area Sponsored by  JENSEN HUGHES <small>Advancing the Science of Safety</small>		
1330-1415	General Session: Where Is Margaret Law? A Tribute- Jose Torero		
	Case Study: Hospital Fire Protection Moderator: Ijsbrand		
1415-1455	Case Study – Finland		
1455-1525	Afternoon Break in Exhibit Area		



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1525-1605	Case Study – Italy
1605-1700	Case Study Panel Discussion – Hospital Fire Protection
1700	Day 1 Wrap Up
1730-1930	Networking Reception in Exhibit Area

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Day 2 – Thursday, April 26		
0715-0755	Breakfast in Exhibit Area	
0800-0810	Welcome – Peter Johnson and Brian Meacham	
0810-0845	General Session: Fire Safety in Tall Buildings—a Fire Service Perspective - Kevin Hughes	
	Track A - Working within Building Regulations Moderator: Ijsbrand	Track B - Fire Protection Systems Moderator: Jose Torero
0850-0915	Are Verification Methods the Answer to Improved Application of Performance-Based Codes? Be Careful What You Wish For Peter Johnson	Performance Based Design: Testing of CPVC Sprinkler Piping for Concealed Spaces in a High Rise Historical Building Noah Ryder, John Compton, Micah Ryder, & Scott Bryant
0915-0940	Identifying Implicit Risk in the National Building Code of Canada Keith Calder	Using BIG Data for Automatic Fire Alarm System Response Strategies Böðvar Tómasson, Sveinn Björnsson, & Björn Karlsson
0940-1005	Proposed Performance-Based Code Alternative Solution Models in the Nuclear Industry Hossam Shalabi	Smoke Management in Detention Facilities Steven Dannaway
1005-1020	Q&A Discussion	Q&A Discussion
1020-1050	Morning Coffee Break in Exhibit Area	
	Track A - Structures and Fire Protection Moderator:	Track B - Human Behavior Moderator:
1050-1115	Connection Behavior in Contemporary Canadian Buildings Subjected to Real Fires Mathew Smith & John Gales	Walking Speed in Smoke: Representation in Life Safety Verifications Karl Fridolf & Daniel Nilsson
1115-1140	Fire Dynamics Simulations for Performance-Based Fire Safety Design of Steel Structures in Large Enclosures Chao Zhang, Hong-Xia You, & Lisa Choe	Beyond ASET vs RSET: Performance-Based Fire and Crowd-Flow Safety Design of Large Scale Stadiums Yoshikazu Minegish & Naohiro Takeichi
1140-1205	Performance-Based Fire Resilience Evaluation for a Tall Building Structure Jenny Sideri	Practicalities and Limitation of Coupling FDS with Evacuation Software Daniel Rademar & Daniel Blixt
1205-1220	Q&A Discussion	Q&A Discussion
1220-1320	Networking Lunch in Exhibit Area	
1320-1405	General Session: Evolution of the Building Code: From First Principles Design to Verification Methods-Christine Duncan	
	Track A - Implementing Performance-Based Design Moderator:	Track B - CFD Modeling Moderator:
1405-1430	The Case for Performance-Based Design for Fire Safety Marianne Foley	Accounting for Uncertainty in Computational Fluid Dynamics Modelling of Fully-Developed Compartment Fires Vinny Gupta, Jaime Cadena, Juan Hidalgo, Andres Osorio, Cristian Maluk, & Agustin Majdalani

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1430-1455	Performance-Based Fire Safety Design for Dongao Tunnel Wei-Ting Chung & Kuang-Chung Tsai	A CFD Study to Identify Methods to Increase Maximum Velocity of Make-up Air for Atrium Smoke Control Christine Pongratz
1455-1505	Q&A Discussion	Q&A Discussion
1505-1535	Afternoon Break in Exhibit Area	
	Case Study: Cross-Laminated Timber (CLT) High-Rise Moderator: Chris Jelenewicz	
1535-1615	Case Study – Japan	
1615-1655	Case Study – New Zealand	
1655-1735	Case Study- Hong Kong	
1735	Day 2 Wrap Up	
1800-2000	Luau	

Day 3 – Friday, April 27

0715-0755	Breakfast in Expo	
0800-0840	General Session: Fire Engineering: Perspective Vs.Reality David Scott & Laing O'Rourke	
	Case Study: Cross-Laminated Timber (CLT) High-Rise Moderator: Chris Jelenewicz	
0840-0920	Case Study – USA at UNC Charlotte	
0920-1000	Case Study – Queensland	
1000-1030	Morning Coffee Break in Exhibit Area	
1030-1130	Case Study Panel Discussion – CLT High-Rise Fire Protection Moderator: Chris Jelenewicz	
	Track A - Engineered Wood Moderator:	Track B - Software Tools Moderator:
1135-1200	A Performance-Based Approach for the Design of Engineered Timber in Buildings in the Australian Context Mario Lara Lederman & Nathan White	Fire Safety Engineering and Building Information Modelling--Now and in the Future Andrej Cebela & Judith Schulz
1200-1225	The Role of Wood Chemistry in Determining the Charring Rates of Timber Under Realistic Fire Conditions Franz Richter & Guillermo Rein	Smart Building Systems, RealTime Data Collection and the Use of a Hierarchical Temporal Memory Continuous Learning Algorithm for Fire State Determination Noah Ryder, Justin Geiman, & Elizabeth Weckman
1225-1235	Q&A Discussion	Q&A Discussion
1235-1330	Networking Lunch in Exhibit Area	
	Track A - Engineered Wood Moderator:	Track B - Facing Fire Protection Challenges Moderator:
1330-1355	Engineered Wood Products: Defining the Future Landscape for a Performance-Based Code in Canada Lindsay Ranger	Developing a Performance-Based Design Approach for Informal Settlement Fire Safety Charles Kahanji, Richard Walls, Antonio Cicione, & David Rush

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1355-1420	Finite Element Modelling of Post-Tensioned Timber Beams Under Fire Conditions Hailey Quiquero, John Gales, Anthony Abu, & Peter Moss	Green Roof, A Fire Problem? Alexander Elias & Daniel Hakansson
1420-1445	Performance-Based Design of Fire Safety in High-Rise CLT Buildings Robert Jönsson & Carl Pettersson	Am I Qualified for This Project? Towards a Quantitative Standard for Industrial Project Complexity and Engineering Competency Yen Tu & David Yates
1445-1500	Q&A Discussion	Q&A Discussion
1500-1540	General Session: Situation with Performance-Based Codes and Fire Safety Design in Seven Countries - Brian Meacham	
1540-1600	Conference Wrap Up – Peter Johnson and Brian Meacham	

Schedule Revised 2/13/18; Still subject to speaker changes