

## Fire Sprinkler International 2022 Conference Programme, 31 May – 1 June

### *Protecting society from fire*

#### Tuesday, 31<sup>st</sup> May

07:30-09:00 Registration Desk Open

09:00-09:15 Welcoming Remarks

**Welcome and Introduction to the Plenary Chair**

*Keith MacGillivray, CEO of BAFSA*

**Welcome from the Plenary Chair**

*Volker Bechtloff, Chairman of the European Fire Sprinkler Network*

**Welcome from the United Kingdom**

*Lord Berkeley*

09:15-10:30 The Future of Regulation

**London policy on sprinklers**

*Paul Jennings, Assistant Commissioner for Fire Safety, London Fire Brigade*

**Regulatory trends and challenges in the use of suppression**

*Piergiacomo Cancelliere, Corpo Nazionale dei Vigili del Fuoco, Italy, Knut Czepuck, Ministerium für Heimat, Kommunales, Bau und Gleichstellung des Landes Nordrhein-Wesfalen, Germany and Carl Sherwood, Department for Levelling Up, Housing and Communities, UK*

10:30-11:00 Break

11:00-12:30 Session 1 – Plenary

**State of the global industry and sprinkler advocacy**

*Paul Sincaglia and Russ Fleming, IFSA, USA*

**Smart sprinkler systems to save water**

*Yibing Xin, FM Global, USA*

**Too tall, too dense**

*Stuart Lloyd, Zurich Insurance, UK*

**Tuesday, 31<sup>st</sup> May continued**

12:30-13:45 Lunch

13:45-15:15 Session 2

Automatic Storage Retrieval Systems

Chair – Alan Crichton, BAFSA

**In-rack sprinkler protection of shuttle systems**

*Johannes Zimmermann, SSI-Schäfer, Germany*

**Fire protection and manual firefighting for the AutoStore system**

*Ingunn Haraldseid, AutoStore, Norway*

**Protecting ASRS using the latest guidance in FMDS 8-34**

*Wes Baker, FM Global & Steven Wolin, Reliable, USA*

Residential Fire Protection

Chair – Alan Brinson, EFSN

**French guidance on the use of sprinklers to protect wooden apartment buildings**

*Daniel Joyeux, Efectis, France*

**Lessons learned from residential retrofits**

*Shayne Parker, Domestic Sprinklers, UK*

**Innovative suppression – implications for the industry**

*William Makant, Plumis, UK*

Testing and Installations

Chair – François Asselman, BFSN

**Mitigation of labour risks through manufacturer involvement**

*Graeme Leonard, Victaulic, UK*

**CE-Marking through the EOTA route**

*Witali Engelhardt, FM Approvals, Germany*

**Fast connection system for sprinklers**

*Philippe Kibler, AAI, France*

15:15-15:45 Break

15:45-17:15 Session 3

Sprinkler Applications

Chair – John van Lierop, EFSN

**Big beats flow – fire protection in road tunnels with big droplets**

*Henrik Johansson, Johnson Controls, Sweden*

**Protection of waste recycling centres**

*Youcef Ouammou, EFSN, France*

**The development of a sprinkler system concept for maritime vehicle carriers**

*Magnus Arvidson, RISE, Sweden*

Performance-Based Design

Chair – Stewart Kidd, BAFSA

**Protection of glass façades with sprinklers**

*Piotr Tofito, Main School of Fire Service, Poland*

**Sprinkler protection as a boundary condition for a stay-in-place concept**

*Ruud van Herpen, Eindhoven University of Technology, Netherlands*

**Fire incident data – a data rich world?**

*Tom Roche, FM Global, UK*

Water Mist in Application

Chair – Bettina McDowell, IWMA

**Water mist in high-rise buildings – how to meet codes and standards requirements**

*Francisco Garcia, Marioff, Finland*

**Quality assurance with water mist systems**

*Simon Bird, Fixed Fire-Fighting Systems Bureau, UK & Johan Hoogeweg, DGMR, Netherlands*

**The insurers' view of successful water mist applications**

*Gary Howe, Zurich Insurance, UK*

17:30-20:30 Reception & Networking Event – Park Plaza London Riverbank

**Wednesday, 1<sup>st</sup> June**

09:00 Announcements  
**Chair of the Plenary Session**  
*Jan Witte, Minimax, Germany*

09:00-10:30 Session 4 – Plenary  
**Protection of global composite intermediate bulk containers**  
*Nicolas Locht, ELEN Risk Consulting, France*  
**Update on suppression research from the Research Foundation**  
*Amanda Kimbal, Fire Protection Research Foundation, USA*  
**UL requirements for anti-freeze solutions for use in fire sprinkler systems**  
*Jeff Hebenstreit, Underwriters Laboratories, USA*

10:30-11:00 Break

11:00-12:30 Session 5

<u>Applications</u>	<u>Standards I</u>	<u>Corrosion and long-term performance</u>
Chair – Piotr Tofiło, POLIG	Chair – Björn Schaumburg, EFSN	Chair – Alfredo Álvarez, EFSN
<b>An optimised sprinkler system for car parks</b> <i>Alex Palau, Minimax Viking, Spain</i>	<b>NFPA 13 update</b> <i>Bo Hjorth, Albacon, Sweden</i>	<b>Sprinkler Integrity Test and First Responder Sprinkler</b> <i>Henk Jan Kooijmans &amp; Jeffrey Hoppenbrouwers, Unica, Netherlands</i>
<b>Sprinkler systems to protect the world’s largest particle physics installations</b> <i>Anna Suwalska, CERN, Switzerland</i>	<b>Revision of EN 12845</b> <i>Karim Karzazi, AXA XL Risk Consultants, France</i>	<b>Corrosion protection with polymer-enhanced pipe</b> <i>Chris Gill, Viking, Luxemburg</i>
<b>Automatic supervision and testing of sprinkler systems</b> <i>Arjan ten Broeke, Johnson Controls, Netherlands</i>	<b>FM Data Sheet changes</b> <i>Allan Macpherson, FM Global, UK</i>	<b>Hydrogen in sprinkler systems – experience from a field study</b> <i>Jan Nikola, VdS, Germany</i>

12:30-13:45 Lunch

**Wednesday, 1<sup>st</sup> June, continued**

13:45-15:15

**Session 6**

**Standards II**

Chair – Alan Crichton, BAFSA

**An update on CEN water mist standards**

*Alex Palau, Minimax Viking, Spain*

**Progress with European sprinkler pump standards**

*Simon Bird, BRE Global, UK*

**Nine sprinkler ESFR design concept**

*Wes Baker, FM Global, USA*

**Environmental Aspects**

Chair – Björn Schaumburg, EFSN

**Regulatory restrictions on foam concentrates, research on alternatives**

*Eike Peltzer, E.P. Fire, Germany*

**Challenges of synthetic fluorine-free foam in sprinkler systems**

*Simon Barratt, Viking, UK*

**Measures to reduce the environmental impact of sprinkler systems**

*John van Lierop, VSI, Netherlands*

**Cultural Heritage**

Chair – Bettina McDowell, IWMA

**25-year testing in a heritage building**

*Stewart Kidd, BAFSA, UK*

**Cultural heritage protection with water mist**

*Rüdiger Kopp, Fogtec, Germany*

**Water mist cultural heritage case study – Museum Leonardo da Vinci, Milan**

*Gaetano Coppola, Jensen Hughes, Italy*

15:15-15:45

**Break**

15:45-17:00

**Session 7 – Plenary**

**Chair of the Plenary Session**

*Keith MacGillivray, BAFSA, UK*

**Latest research learning on emerging risks**

*Ben Ditch, FM Global, USA*

**Panel discussion – what's on the horizon?**

*Volker Bechtloff, Minimax Viking, Germany; Laurens Swennenhuis, JCI, Netherlands; Paul Sincaglia, IFSA, USA & Alan Brinson, EFSN, UK*

**Closing Remarks**

*Keith MacGillivray, BAFSA*

19:00

**Optional Gala Dinner**