

**Fire Sprinkler International 2023**  
**Conference Programme, 31 May-1 June**  
***Protecting society from fire***

**Wednesday, 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**

*Boele Staal, Chairman of Federatie Veilig Nederland*

**Welcome from the Chair of the Plenary Session**

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

**Welcome from the city of Amsterdam**

*Tijs van Lieshout, Chairman of the Association of Dutch Fire Brigades*

09:15-10:30 Keynote Speakers

**Update on suppression research from the Research Foundation**

*Victoria Hutchison, Fire Protection Research Foundation, USA*

**CE-marking under the current and future Construction Products Regulation**

*Oscar Nieto, European Commission, Belgium*

10:30-11:00 Break

11:00-12:30 Session 1 – Plenary – Sustainability

**Environmental, Social and Governance (ESG) – how suppression can improve a company's ESG profile**

*Chris Gill, Viking, Luxemburg*

**Introduction to fire safety in timber buildings**

*Carl Pettersson, RED Fire Engineers, Sweden*

**Battery power supply and energy storage for sprinkler pumps**

*Raycko van Hummel, Boele Fire Protection, Netherlands*

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

12:30-13:45 Lunch

13:45-15:15 Session 2

Cultural Heritage

Chair – Alfredo Álvarez, EFSN

**The need for fire suppression in cultural heritage buildings – an end user view**

*Bob Bantock, National Trust, UK*

**Practical considerations around suppression systems in cultural heritage buildings**

*Rene van Essen, Deventer Local Council, Netherlands*

**Water mist and heritage buildings, Case study: St Mark's Basilica, Venice**

*Jean-Paul Lamers, Marioff, Belgium*

Performance-Based Solutions

Chair – John van Lierop, EFSN

**Why sprinkler protection is necessary in residential exposed CLT-construction**

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

**Fire tests with active fire protection in a full-scale timber mock-up**

*Gildas Auguin, Efectis & Laurent Petit, WO2, France*

**Equivalent solution with sprinklers and ventilation for Dutch smoke compartments**

*Mirre Veerman & Peter Boll, Royal Haskoning DHV, Netherlands*

Foam

Chair – Björn Schaumburg, EFSN

**Sprinkler systems with fluorine-free foam: testing the limits of performance**

*John Ottesen, Fomtec, Norway*

**How PFAS legislation will affect your foam system designs**

*Simon Barrett, Viking, UK*

**Application of non-fluorinated foam in new and existing systems for aviation, POG and large storage tank protection**

*Gerard Visser, Johnson Controls, Netherlands*

15:15-15:45 Break

15:45-17:15 Session 3

Lithium-Ion Fire Protection

Chair – Ritchie O'Connell, BAFSA

**Energy transition but safely**

*Hans Sevenstern, Marsh, Netherlands*

**Drencher fire tests on electric vehicles**

*Magnus Arvidson, RISE, Sweden*

**Li-ion battery fire tests within SUVEREN**

*Rüdiger Kopp, Fogtec, Germany*

Residential Sprinklers

Chair – Brice Franc, SPK Engineering

**Benefits of sprinklers for a stay-in-place strategy**

*Lieuwe de Witte, NIPV, Netherlands*

**UK experience with residential sprinklers**

*Ritchie O'Connell, BAFSA, UK*

**Practical issues with protection of a high-rise residential building**

*Johan Hoogeweg, DGMR, & Alex Zomer, Aqua+ Sprinkler Systems, Netherlands*

Water Mist

Chair – Bettina McDowell, IWMA

**Update on water mist standards**

*Alex Palau, MinimaxViking, Spain*

**Water mist building protection in accordance with EN 14972**

*Hans Schipper, Johnson Controls, Netherlands*

**Applications and attributes of electronically controlled water mist nozzles**

*William Makant, Plumis, UK*

17:30-20:30 Reception & Networking Event – RAI Amsterdam

Thursday, 1<sup>st</sup> June

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

09:00-10:30 Session 4 – Plenary – Performance and Quality  
**A practical sprinkler procedure for the fire service**  
*Joost Ebus & Ricardo Weewer, Netherlands Institute for Public Safety, Netherlands*  
**Effects of smoke vents on sprinkler system performance – investigation through large-scale testing and CFD modelling**  
*Wes Baker & Yogish Gopala, FM Global, USA*  
**How equivalent solutions created the Dutch sprinkler market**  
*John van Lierop, EFSN, Netherlands*

10:30-11:00 Break

11:00-12:30 Session 5  
Revision of EN 12845-1  
Chair – Björn Schaumburg, EFSN  
*Karim Karzazi, AXA XL Risk Consultants, France*  
  
&  
  
Ludger Tegeler, FM Global, Germany

Quality Assurance & Corrosion  
Chair – John van Lierop, EFSN  
**The Dutch approach to quality assurance**  
*Willem van Oppen, Het CCV & Ron de Bruijn, Riskonet, Netherlands*  
  
**VdS analysis of 25-year inspections of sprinkler systems**  
*Marcel Ruesink, VdS, Netherlands*  
**New insights on corrosion prevention in sprinkler and water mist systems**  
*Mascha van Hofweegen, KWA, Netherlands*

Storage  
Chair – Piotr Tofito, POLIG  
**Roll Paper 1 protection requirements – Changes to FM Global data sheet 8-21, Roll Paper Storage**  
*Yogish Gopala & Brent Wunderlich, FM Global, USA*  
  
**Latest fire tests on open-top combustible containers**  
*Wes Baker & Dong Han, FM Global, USA*  
  
**Cold storage fire protection solutions**  
*Arjan ten Broeke, Johnson Controls, Netherlands*

12:30-13:45 Lunch

Thursday, 1<sup>st</sup> June continued

13:45-15:15

Session 6

Sprinklers and Connected Services

Chair – Alan Brinson, EFSN

**Remote testing and inspection standard, with a live demonstration**

*Jan Witte, Minimax, Germany*

**Panel discussion – How can modern sensor technology improve reliability and add value to the end user?**

*Matthijs Vast, Aqua+ Sprinkler Systems, Netherlands, Travis Montembeault, Peerless Pump, USA & Brian Gjerstrup, SprinklerView, USA*

Standards

Chair – Youcef Ouammou, EFSN

**An update on NFPA 13**

*Bob Caputo, AFSA, USA*

**Different sprinkler densities for different building heights in non-storage occupancies – FM Global data sheet 3-26 criteria**

*Wes Baker & Yibing Xin, FM Global, USA*

Applications

Chair – Piotr Tofito, POLIG

**Turbine protection to FMDS 7-101**

*Jan Weimann, Minimax & Ludger Tegeler, FM Global, Germany*

**Fire protection of data centres**

*Aleksandra Andrzejczyk, Royal Haskoning DHV, Netherlands*

**Fire suppression systems for a cable manufacturing facility**

*Kunsulu Bekish & Omer Sunda Un, Jensen Hughes, Belgium*

15:15-15:45

Break

15:45-17:00

Session 7 – Plenary

**Chair of the Plenary Session**

*Alan Brinson, EFSN, UK*

**Panel discussion – Why do insurers impose differing requirements for apparently similar projects?**

*Stuart Lloyd, Zurich, UK, Steven Plummer, FM Global, Netherlands, Tom Pederson, IKEA, Sweden & Graeme Leonard, Victaulic, UK*

**Development of sprinkler markets around the world**

*Paul Sincaglia, International Fire Suppression Alliance, USA*

**Closing Remarks**

*Volker Bechtloff, EFSN Chairman*

19:00

Optional Gala Dinner – Koepelkerk