

**Fire Sprinkler International 2021  
Conference Programme, 28-29 April  
*Protecting society from fire***

**Wednesday, 28<sup>th</sup> April**

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**

*Michel Walhof, Chairman of the European Fire Sprinkler Network*

**Welcome from the city of Amsterdam**

*Tijs van Lieshout, Director of the Amsterdam Amstelland Safety Region*

09:15-10:30 Keynote Speakers

**Notre Dame – a disaster which is changing fire protection in France**

*Philippe Moineau, Fédération National des Sapeurs-Pompiers de France*

**Smart sprinkler systems to save water**

*Yibing Xin & Stanislav Kostka, FM Global, USA*

10:30-11:00 Break

11:00-12:30 Session 1 – Plenary

**Utilisation of automatic fire suppression systems in cultural heritage occupancies**

*Stewart Kidd, BAFSA, UK*

**New French guidance on construction with wood**

*Daniel Joyeux, Efectis, France*

**Research – Fire modelling of sprinkler and SHEV interaction**

*Tom Roche, FM Global, UK*

Wednesday, 28<sup>th</sup> April continued

12:30-13:45 Lunch

13:45-15:15 Session 2

Cultural Heritage

Chair – Stewart Kidd, BAFSA

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

*Nino Frisina, Marioff, Italy*

**Sprinkler retrofit of the Peperbus in Zwolle**  
*Ruud van Herpen, Nieman, Netherlands*

**Water mist protection of a wooden brig**  
*Gaetano Coppola, Jensen Hughes, Italy*

Residential Sprinklers

Chair – Alan Brinson, EFSN

**First high-rise residential sprinkler retrofit in  
France**

*Brice Franc, SPK Engineering, France*

**Lessons of rapid market growth in Norway**  
*Håvard Grønstad, Finance Norway*

**Dutch experience with residential sprinklers**  
*Michiel Huisman, Huisman Sprinklertechnik,  
Netherlands*

New Technologies I

Chair – François Asselman

**Storage trends demand installers to be ready**  
*Daniel Wake, Victaulic, USA*

**UL requirements for anti-freeze solutions for use  
in sprinkler systems**  
*Kerry Bell, UL, USA*

**Ceiling only protection schemes for warehouses  
up to 16.8 m in height**  
*Mike Bosma, Viking, USA*

15:15-15:45 Break

15:45-17:15 Session 3

Road Tunnels

Chair – John van Lierop, EFSN

**Recent progress with sprinklers in road tunnels**  
*Haukur Ingason, RISE, Sweden*

**Case study: Sydney Harbour M4 East Road  
Tunnel sprinkler system**

*Guy Watson, Reliable Automatic Sprinkler, UK*

**Fixed fire-fighting system for tunnel protection**  
*Arjan ten Broeke, Johnson Controls,  
Netherlands*

Performance-Based Design

Chair – Youcef Ouammou

**Protection of glass façades with sprinklers**  
*Piotr Tofiło, Main School of Fire Service, Poland*

**Sprinklers, water mist and safety**  
*David den Boer, Peutz, Netherlands*

**Resolving new fire engineering challenges –  
interaction between sprinkler and jet fan  
ventilation in enclosed car parks**  
*Luciano Nigro, Jensen Hughes, Italy*

Water Mist

Chair – Bettina McDowell, IWMA

**Cultural heritage protection with water mist**  
*Rüdiger Kopp, Fogtec, Germany*

**New European water mist standard and its  
potential application for heritage protection**  
*Tim Nichols, Falck Fire Consulting, UK*

**Insurers' experience and view of water mist in  
properties**  
*Paul Morrison, Zurich Insurance, UK*

17:30-20:30 Reception & Networking Event – Beurs van Berlage

**Thursday, 29<sup>th</sup> April**

09:00 Announcements  
**Chair of the Plenary Session**  
*Joachim Böke, Minimax, Germany*

09:00-10:30 Session 4 – Plenary  
**Conceptual fire protection design for the Nhow Amsterdam hotel**  
*Daan Jansen, Royal HaskoningDHV, Netherlands*  
**CPR and possible revisions**  
*Sergio Vasquez, EOTA, Belgium*  
**Update on suppression research from the Research Foundation**  
*Victoria Hutchison, Fire Protection Research Foundation, USA*

10:30-11:00 Break

11:00-12:30 Session 5  
New Fire Protection Challenges  
Chair – Piotr Tofiło, POLIG  
**Fire protection of solar panels**  
*Robert Reinermann, VdS & Oliver Schröder, Minimax, Germany*  
**Li-ion vehicle fire tests**  
*Max Lakkonen, IFAB, Germany*  
**Tests conducted in accordance with NFPA 30 to assess sprinkler capability in different scenarios**  
*Jeanne van Buren, Marsh, Netherlands*

Standards I  
Chair – Björn Schaumburg, EFSN  
**NFPA updates**  
*Russ Fleming, IFSA, USA*  
**Revision of EN 12845**  
*Karim Karzazi, AXA XL Risk Consultants, France*  
**Consolidated ISO sprinkler standards**  
*Kerry Bell, UL, USA*

Corrosion and long-term performance  
Chair – Alfredo Álvarez, EFSN  
**Corrosion, legionella and MIC in sprinkler and water mist systems**  
*Mascha van Hofweegen, KWA, Netherlands*  
**Learning from field testing of 5,000 sprinklers**  
*Magnus Arvidson, RISE, Sweden*  
**Nitrogen generators three years on**  
*Steve Bradley, Potter Electric, UK*

12:30-13:45 Lunch

13:45-15:15 Session 6

Quality Assurance  
Chair – Gisela van Blokland, Het CCV  
**The Dutch approach to quality assurance**  
*Willem van Oppen, Het CCV, & Ronald Oldengarm, DGMR, Netherlands*  
**Water supply best practice and tank maintenance in The Netherlands**  
*René Dirven, Aon, Netherlands*  
**Automatic supervision and testing of sprinkler systems**  
*Henrik Johansson, Johnson Controls, Sweden*

Standards II  
Chair – Piotr Tofito  
**An update on CEN water mist standards**  
*Joachim Böke, Minimax, Germany*  
**The differences between FM and VdS sprinkler pump diesel driver approvals**  
*Tong, NM fire Pumps, China*  
**Remote fire protection services standard**  
*Jan Witte, Minimax, Germany*

New Technologies II  
Chair – Alfredo Álvarez  
**Sprinkler integrity test**  
*Erik Haan & Martijn Monster, Unica Fire Safety, Netherlands*  
**Intelligent glass bulb technology for sprinkler systems**  
*Jürgen Teschner, Job, Germany*  
**A new sprinkler system to protect one of the world's largest particle physics accelerators**  
*Anna Suwalska & Miriam Munoz, CERN, Switzerland*

15:15-15:45 Break

15:45-17:00 Session 7 – Plenary

**Chair of the Plenary Session**  
*Alan Brinson, EFSN, UK*  
**How sprinklers affect the design of buildings**  
*Johan Hoogeweg, DGMR, Netherlands*  
**BIM to grade building resilience**  
*Jim Glockling, The Fire Protection Association, UK*  
**Closing Remarks**  
*Michel Walhof, EFSN Chairman*

19:00 Optional Gala Dinner