

Fire Sprinkler International 2020
Conference Programme, 19-20 October
Protecting society from fire

Monday, 19th October

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

Monday, 19th October 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 Sprinklertechniek,
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 Tofito, 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

Tuesday, 20th October

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 18 months 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