

## Conference Programme

# Fire safety in a continually changing world

Tuesday 12<sup>th</sup> June

Day 1: Wednesday 13<sup>th</sup> June  
MORNING

1500 – 1900: REGISTRATION DESK OPEN

0730 – 0900: REGISTRATION DESK OPEN

0830: FSI 2018 EXHIBITION OPENS

0900 – 0915: WELCOMING REMARKS

**Welcome and Introduction to the Plenary Chairman**

*Benny Wallén, Chairman, Sprinklerfrämjandet*

**Welcome from the Chairman of the Plenary Session**

*Michel Walhof, Chairman, European Fire Sprinkler Network*

**Welcome from the City of Stockholm**

*Joakim Larson, Stockholm City Council*

0915 – 1030: KEYNOTE SPEAKERS

**Sprinkler Research: What's Now, What's Needed**

*Lou Gritzo, Manager of Research, FM Global, USA*

**Exterior Fire Protection for High-Rise Buildings**

*Jan Johansson, Director Business Development Asia Pacific & Middle East, Johnson Controls, Singapore*

1030 – 1100: BREAK AND AN OPPORTUNITY TO VISIT THE FSI 2018 EXHIBITION

1100 – 1230: SESSION 1 – PLENARY

**The History is our Future**

*Gösta Holmstedt, Sprinklerfrämjandet, Sweden*

**Suitable Fire Protection Measures in Nursing Homes**

*Patrik Perbeck, MSB (Swedish Civil Contingencies Agency), Sweden*

**Property Fire Assessment and Fixed Fire Protection – An Insurer's Perspective**

*Mark Middleton, Swiss Re Corporate Solutions Services, UK*

1230 – 1345: LUNCH AND AN OPPORTUNITY TO VISIT THE FSI 2018 EXHIBITION

## Conference Programme

DAY 1 : WEDNESDAY 13<sup>TH</sup> JUNE - AFTERNOON

### Fire safety in a continually changing world

1345 – 1515:

#### SESSION 2 – WORKSHOPS

##### APPLICATIONS

**Chairman** – Joachim Böke, Minimax

**Retrofit of a large SKF site – a client and insurer view**

*Tom Roche, FM Global, UK*

**Sprinkler protection as part of a fire engineering strategy for a heritage building**

*Gary Howe, Zurich Insurance UK*

**Records Management industry: sprinkler**

**Protection challenges in records storage**

*Gaetano Coppola, Jensen Hughes, Italy*

##### WATER MIST

**Chairman** – Bettina McDowell, IWMA

**Towards performance-based dimensioning of water mist sprinkler systems**

*Maarit Tuomisaari, Marioff, Finland*

**Compensation for missing fire partitions in buildings with high pressure water mist**

*Rüdiger Kopp, FOGTEC, Germany*

**Testing of residential sprinklers and water mist**

**nozzles in residential area fire scenarios**

*Magnus Arvidson, RISE, Sweden*

##### CARE HOMES

**Chairman** – Danny Doherty, BAFSA

**Fire safety in homes for the elderly: research into the efficiency of alternative fire safety measures in new care concepts**

*Ann Beusen, VIPA, Belgium*

**Fire safety in homes for the elderly: sprinklers as a better solution**

*René Hagen, IFV, Netherlands*

**Fire safety with and without sprinklers**

*Staffan Bengtson, Brandskyddslaget, Sweden*

1515 – 1545:

#### BREAK AND AN OPPORTUNITY TO VISIT THE FSI 2018 EXHIBITION

1545 – 1715:

#### SESSION 3 – WORKSHOPS

##### PERFORMANCE BASED DESIGN I

**Chairman** – Alan Brinson, EFSN

**History and development of sprinkler trade-offs in USA, influenced by fire engineering**

*Russ Fleming, IFSA, USA*

**A cost benefit tool to analyse sprinklers as an option in the design of buildings**

*Erik Sävmark & Matilda Bjälkefur*

*Brandkonsulten Kjell Fallqvist, Sweden*

**Sprinkler protection for evacuation safety**

*Ruud van Herpen, Nieman, Netherlands*

##### FOAM SYSTEMS

**Chairman** – Andy Hall, Hall Fire Safety Consultants

**Compressed air foam systems for protection of loading/unloading platforms**

*Antoon Buitenhuis, Siron, Netherlands &*

*Lorne Lévesque, Fireflex, Canada*

**Foam sprinklers – things that matter**

*John-Olav Ottesen, Dafo Fomtec, Norway*

**Quality assurance of unfluorinated foam agents in sprinkler systems and the influence of sprinkler design on extinguishing performance**

*Jens Stubenrauch, Dr Sthamer, Germany &*

*Markus Thoma, Jomos, Switzerland*

##### BIM & SEISMIC PROTECTION

**Chairman** – Henrik Johansson, Johnson Controls

**Are you ready for the software revolution? BIM and VR in fire protection design**

*Amanda Comunale, Victaulic, Belgium*

**Handbook for the design and installation of seismic protection for fire sprinkler systems**

*Stefano Grimaz, University of Udine, Italy*

**Automatic seismic design of fire sprinkler piping systems using Building Information Modelling**

*André Filiatrault, University School Advanced*

*Studies IUSS Pavia, Italy & State University*

*of New York at Buffalo, USA*

1900 – 2200:

**RECEPTION & NETWORKING EVENT – Radisson Waterfront Hotel**

**Conference Programme**  
**DAY 2 : THURSDAY 14<sup>th</sup> JUNE - MORNING**

***Fire safety in a continually changing world***

<b>1830:</b>	<b>FSI 2018 EXHIBITION OPENS</b>		
<b>1900:</b>	<b>ANNOUNCEMENTS</b> Benny Wallén, Chairman of the Plenary Session, Nordic Sprinkler, Sweden		
<b>1900 – 1030:</b>	<b>SESSION 4 – PLENARY</b> <b>Owner's experience of 25-year sprinkler inspections of European shopping centres</b> <i>Eric Trznadel, Unibail-Rodamco. France &amp; Gilles Lefrand, Diot, France</i> <b>Development of NS 3912 on exterior fire protection, combining active and passive systems</b> <i>Geir Jensen, COWI, Norway</i> <b>10-year study on the reliability of Swedish sprinkler systems</b> <i>Markus Melin, Brandkonsulten Kjell Fallqvist, Sweden</i>		
<b>1030 – 1100:</b>	<b>BREAK AND AN OPPORTUNITY TO VISIT THE FSI 2018 EXHIBITION</b>		
<b>1100 – 1230:</b>	<b>SESSION 5 – WORKSHOPS</b>		
	<b>QUALITY ASSURANCE</b> Chairman – Tomas Åberg, SBSC  Efficiency and effectiveness of sprinkler systems in the United Kingdom: an analysis from fire service data <i>Julian Parsons, National Fire Chiefs Council, UK</i> Automatic sprinklers: a comprehensive approach to performance and reliability <i>Witali Engelhardt, FM Approvals, Germany</i> Review of the Swedish requirements for designers, installers and inspectors <i>Jens Hjort, Brandskyddsföreningen, Sweden</i>	<b>STANDARDS</b> Chairman – Youcef Ouammou, EFSN  NFPA updates <i>Russ Fleming, IFSA, USA</i>  Revision of EN 12845 <i>Karim Karzazi, AXA Matrix, France</i>  EN 16925 – New European residential sprinkler systems <i>Alan Brinson, EFSN, UK</i>	<b>CULTURAL HERITAGE</b> Chairman – Francois Asselman, Belgian Fire Sprinkler Network Owner led research on water-based systems for the protection of wooden churches and historical buildings <i>Ingrid Staurheim, KA, Norway</i> Vacuum sprinkler systems for the protection of cultural heritage <i>Koen van Herpe, VK Engineering, Belgium</i> Exposure protection in Eksjö's 19 <sup>th</sup> century wooden building city centre <i>Bo Hjorth, Sprinklerfrämjandet, Sweden</i>
<b>1230 – 1345:</b>	<b>LUNCH AND AN OPPORTUNITY TO VISIT THE FSI 2018 EXHIBITION</b>		

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**DAY 2 : THURSDAY 14<sup>TH</sup> JUNE - AFTERNOON**

***Fire safety in a continually changing world***

**1345–1515:**

**SESSION 6 – WORKSHOPS**

**PERFORMANCE-BASED DESIGN II**

**Chairman** – Alan Brinson, EFSN

**The impact of automatic sprinklers on building design**

*Ryan McCreadie, Olsson Fire & Risk, UK*

**A new, innovative and verified FFS for road tunnels**

*Bo Wahlström, Brandskyddslaget, Sweden*

**NFPA13 & EN 12845 Ordinary & Light Hazard extended coverage sprinkler protection options**

*Guy Watson, Reliable, UK*

**CORROSION PROTECTION**

**Chairman** – John van Lierop, EFSN

**Corrosion in fire sprinkler systems**

*Steve Broadley, Potter Electric, UK*

**Systematic study of corrosion behaviour of HF welded tubes**

*Michael Wenger, Wuppermann Austria*

**The practical and commercial benefits of using CPVC fire protection systems in retrofit projects**

*Will Robinson, Lubrizol, USA*

**HIGH-RISE BUILDINGS**

**Chairman** – Piotr Tofilo, Polish Sprinkler Group

**High-rise buildings, trade-offs and verification of the fire safety performance of sprinklers in building design**

*Olof Axelsson, Oax, Sweden*

**Protection of wooden buildings, high-rise buildings and of vulnerable people**

*Anders Bergqvist, Brandskyddsforeningen, Sweden*

**Sprinkler protection of high-rise buildings: challenges and technical solutions**

*Jochen Krumb, VdS, Germany*

**1515 – 1545:**

**BREAK AND A FINAL OPPORTUNITY TO VISIT THE FSI 2018 EXHIBITION**

**1545 – 1715:**

**SESSION 7 - PLENARY**

**Chairman** - Gösta Holmstedt, Sprinklerfrämjandet, Sweden

**Pedigree of the fine water spray foam-enhanced suppression system on latest Royal Navy Type 26 and Queen Elizabeth Carrier Class platforms**

*Jim Glockling, The FPA, UK*

**BIM, fire safety and impacts for fire protection systems**

*Johan Norén, Briab, Sweden*

**Closing remarks**

*Michel Walhof, Chairman, EFSN*

**1900: OPTIONAL GALA DINNER – Reception and Dinner at City Hall, Stockholm**