

**Fire Sprinkler International 2024
Conference Programme, 24-25 April
*Protecting society from fire***



Wednesday, 24th April

07:30-09:00 Registration Desk Open

09:00-09:15 Welcoming Remarks

Welcome from the Chair of the Plenary Session

Alan Brinson, Executive Director of the European Fire Sprinkler Network

Welcome from the city of Dublin

Dennis Keeley, Chief Fire Officer, Dublin City Council

09:15-10:45 Keynote Speakers

References to sprinklers in Irish Technical Guidance Document B

Chris Barry, Department of the Environment, Community and Local Government, Ireland

An overview of the Irish sprinkler market

Ted Wright, Writtech, Ireland

A silver anniversary for the International Fire Suppression Alliance

Mike Bosma, IFSA, USA & TBC, IFSA

10:45-11:15 Break

11:15-12:45 Session 1 – Plenary – The End User View

The Marriott position on sprinklers and water mist

Armin Wolski, Marriott International, Germany

Sprinkler protection of Amazon fulfilment centres

Matt Broadfoot, Amazon, UK

Striving for property protection – the client, broker and insurer relationship

Mark Middleton, Lockton Companies, UK

Wednesday, 24th April continued

12:45-14:00 Lunch

14:00-15:30 Session 2

Sustainability

Chair – Alfredo Álvarez, EFSN

Environmental, Social and Governance (ESG) – some practical examples

Chris Gill, Viking, Luxemburg & Juan Zamarrón, Engineered Fire Piping, Spain

Alternative fuels for sprinkler pump drivers

John Blackwood, Clarke Fire, UK

Corrosion and its effect on sprinkler system hydraulics

Wim van Bijsterveldt, KIWA, Netherlands

Storage

Chair – John van Lierop, EFSN

Performance-based design solutions for retail and ASRS applications

Manny Silva, Johnson Controls, USA

TL-ASRS research update – simplified DS 8-34 recommendations for solid-walled and non-fire-propagating containers

Wes Baker & Ben Ditch, FM Global, USA

Cold storage warehouses: sprinkler system design considerations, options and challenges

Phil Gunning, Victaulic, USA

Foam

Chair – Björn Schaumburg, EFSN

Foam systems in NFPA 409 Standard on Aircraft Hangars

John Frank, AXAXL, USA

Successful transition planning for your fluorinated foam system

Paul Southwood, Viking, UK

How are SFFFs addressed by test and design standards, such as EN and NFPA?

Gerard Visser, Johnson Controls, Netherlands

15:30-16:00 Break

16:00-17:30 Session 3

Standards I

Chair – Björn Schaumburg, EFSN

An insight to the future EN 12845-2 with some worked examples

Ludger Tegeler, FM Global, Germany & Stuart Lloyd, Zurich Insurance, UK

EN 12845-3 – Guidance for earthquake bracing of sprinkler systems

Gaetano Coppola, Jensen Hughes, Italy

Residential Sprinklers

Chair – John van Lierop, EFSN

Irish experience with residential sprinklers

Colin Walsh, Jones Engineering, Ireland & David Byrne, National Sprinkler, Ireland

First high-rise residential retrofit in France

Brice Franc, SPK Engineering, France

Sprinklers to enable construction with wood

Johan Hoogeweg, DGMR, The Netherlands

Applications

Chair – Piotr Tofiło, POLIG

Automatic sprinkler protection for titanium additive manufacturing powder storage

Stanislav Kostka & John LeBlanc, FM Global, USA

Methodology and documentation for the planning and execution of work in cleanrooms

Keith Brennan, Intel, Ireland

Delivering complex projects

Simon Rooks, Hall & Kay Fire Protection, UK

17:30-20:30 Reception & Networking Event – Croke Park

Thursday, 25th April

- 09:00 Announcements
Chair of the Plenary Session
Jan Witte, Minimax, Germany
- 09:00-09:10 International Fire Prevention Day
Carlos Morett, LATAM, Mexico
- 09:10-10:30 Session 4 – Plenary – Performance
Update on suppression research from the Research Foundation
Jacqueline Wilmot, Fire Protection Research Foundation, USA
Emerging risks and their impact on fire safety
Professor Jim Glockling, Glockling Consulting, UK
- 10:30-11:00 Break
- 11:00-12:30 Session 5
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| <u>Renewable Energy Protection</u>
Chair – Youcef Ouammou, EFSN
German fire protection requirements for renewable energy systems
<i>Knut Czepuck, Interior Ministry of North Rhine Westphalia, Germany</i>
Lithium-ion battery large-scale fire testing
<i>Phil Friday, Reliable Sprinkler Company, USA</i>

Lithium-ion battery manufacturing and storage – understanding manufacturing hazards and storage fire protection approaches
<i>Stephanie Thomas & Benjamin Ditch, FM Global, USA</i> | <u>Quality Assurance</u>
Chair – Alfredo Álvarez, EFSN
Training and formal qualifications for sprinkler system designers and installers
<i>Alisdair Perry & Ruth Oliver, BAFSA, UK</i>

The revised LPS 1048 sprinkler installer accreditation scheme
<i>David Ferguson, BRE & Alan Crichton, BAFSA, UK</i>

Quality issues with water mist systems in heritage buildings
<i>Magnus Arvidson, RISE & Bo Hjorth, Albacon, Sweden</i> | <u>Water Mist</u>
Chair – Bettina McDowell, IWMA
Update on the EN 14972 series and an example of OH3 testing to EN 14972-2
<i>Hans Schipper, Johnson Controls, Netherlands</i>

Water mist testing for car parks
<i>David Bell, Viking, UK</i>

Limits of application of test protocols
<i>Ryan Conaghan, Marioff, UK</i> |
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- 12:30-13:45 Lunch

Thursday, 25th April continued

13:45-15:15

Session 6

Inspection and Remote Services

Chair – Alasdair Perry, BAFSA

Cyber security and fire protection

Sebastian Brose, VdS, Germany

A performance-based approach to automated inspection and testing

Jason Webb, Potter Electric, USA

Management of a large sprinkler network for inspection, testing and maintenance

Keith Brennan, Intel, Ireland

Standards II

Chair – Youcef Ouammou, EFSN

Changes to NFPA 13, 2025 edition

Bob Caputo, AFSA, USA

Evaluating and protecting liquids that burn: understanding the hazards and paths to providing protection

John LeBlanc, FM Global, USA

An introduction to European pump standards

Simon Bird, Fixed Fire-Fighting Systems Bureau & Sarah Colwell, BRE Global, UK

Design Innovations

Chair – Piotr Tofito, POLIG

Warm water circulation in areas subject to freezing

Hervé Roché, Equans, France

Experiments to justify a reduced landing valve design pressure

Gökhan Balik & Duhan Portakal, Etik Mühendislik, Turkey

Hybrid fire extinguishing system

Daniel Wake, Victaulic, USA

15:15-15:45

Break

15:45-17:00

Session 7 – Plenary

Chair of the Plenary Session

Alan Brinson, EFSN, UK

Dutch fire brigade tactics in sprinklered buildings

Joost Ebus & Arjen Barreveld, Netherlands Institute for Public Safety

How to develop the sprinkler market

Mike Bosma, IFSA, USA, Luciano Nigro, Jensen Hughes, Italy, Alasdair Perry, BAFSA, UK & John van Lierop, VSI, The Netherlands

Closing Remarks

Volker Bechtloff, EFSN Chairman

19:30

Optional Gala Dinner – Guinness Storehouse