

IWMA News

December 2017

IWMC 2018 – Save the date!

The 18th International Water Mist Conference will take place in London, UK, on 19th and 20th September 2018. The conference venue will be the Grange City Hotel. Please save the date!



The schedule for IWMA's 20th anniversary conference is as follows:

15th January 2018: The Call for Papers will be released! + Sponsors and exhibitors can start booking table tops

16th April 2018: Abstract deadline

30th April 2018: Deadline for handing in submissions for the "IWMA Young Talent Award 2018 / Master"



This year's winner James White together with Ragnar and Bert and last year's winner Daniel Martin

15th May 2018: The conference webpage will be activated + speakers will be notified about acceptance

2nd July 2018: The conference programme will be published

16th July 2018: end of the early bird period

15th August 2018: The final versions of the presentations will be due

18th September 2018: Annual IWMA Member Meeting

19th & 20th September 2018: 18th International Water Mist Conference

Events 2018: Dubai, UK and Italy

The International Water Mist Association is planning to organize three seminars in 2018. The first one will take place in Dubai on 21st January 2018 during Intersec.



This will be a half-day event. The sponsoring companies are the IWMA members:



as well as . Honorary Sponsors are  and .

The seminar webpage has been activated and delegates can register to obtain one of the 70 free tickets.

This event will be followed by yet another seminar in the UK. Title: “Fire Protection of high-rise Buildings with Water Mist”. The reason to organize this 3rd UK seminar in a row is the devastating fire of the Grenfell Tower in June this year. It is – as the title suggests – not a general educational event, but will focus on topics like: retro-fitting, residential occupancies, high-rise office buildings etc. The date and venue are still to be determined, but IWMA is looking into the possibility to hold this event at the end of February, beginning of March 2018 in the centre of the country, most probably in or around Birmingham.

Already, some companies have come forward to support this event:



You may wish to read an article published in “The Mirror” on 27th November 2017 entitled: “All new council blocks in London to be fitted with sprinkler systems to prevent another Grenfell”. In the article it actually says: “sprinkler or water mist systems”!

<http://www.mirror.co.uk/news/politics/new-council-tower-blocks-london-11587601>

The 3rd seminar will be held in Italy. Again, the time and location will have to be discussed. What is certain is that it will take place after the conference, most probably in November 2018. These companies have already pledged to give their financial support:



More companies are welcome to join in!

IWMC 2017 – a Look back!



As usual IWMA President Ragnar Wighus welcomed the delegates with the Water Mist Hymn.



In all, 126 delegates from 22 countries attended the 17th International Water Mist Conference. They had travelled to Rome from countries like Poland, the UK, Egypt and Finland. The 22 speakers gave 20 presentations and had come from 13 different countries like France, Italy, Australia and China.

The main focus of the presentations was: historical buildings in Italy (but also other countries), the Italian approach and mobility.

IWMC 2017 – the Top Speakers

Again, the delegates were asked to fill in a questionnaire to evaluate – amongst others – the speakers.



Antonio Terio, Danfoss Semco

Antonio Terio, Danfoss Semco, was voted top speaker. The title of his presentation was: “High-Pressure Water Mist Fire Protection Systems for the Protection of Shopping Centres in historical City Centres”.



Nino Frisina (Marioff) and Rüdiger Kopp (Fogtec) shared second place, followed by Francesco Fritz (EMICControls).

The 2017 IWMA Member Meeting



This year's IWMA Member Meeting took place on 18th October 2017 from 15:00 to 19:00 followed by an evening out in a Roman restaurant.



First time IWMC moderator Marco Noordman

One item on the agenda was the elections. Here, Marco Noordman (Tyco) who replaced Alex Palau as a member of the IWMA Board of Directors earlier this year was confirmed in office. So was Luciano Nigro (Hughes Associates Europe) who has been a member of the IWMA Board since 2011.

The IWMA Water Mist Seminar in Cracow



On 15th November 2017, the International Water Mist Association (IWMA) held a first seminar in Poland on "Fire Protection with Water Mist". With nearly 90 interested participants it was a huge success.

The speakers explained to the audience how water mist works, what great care is taken when checking components (such as nozzles) and how important maintenance is. Many case studies showed systems in practice.

IWMA was able to give away 100 free tickets for this event thanks to the nine companies which sponsored the event. These companies were first of all the IWMA members Ultra Fog, Marioff, VID Fire-Kill and Fogtec. Other companies who have supported the event financially were Cristanini, Pyronova, SUPO Cerber, Telesto as well as Tema Sistemi.

Please find below the link to the photo gallery:

<http://www.zabezpieczenia.com.pl/fotogalerie/miedzynarodowa-konferencja-ochrona-przeciwpozarowa-z-wykorzystaniem-mgly-wodnej>

IWMA at ... (Reports)

Report from NFPA 750 Committee Meeting



(report by Rüdiger Kopp/Fogtec)

The second draft NFPA 750 committee meeting was held at Charleston (USA) on 16th October 2017. The meeting was chaired by Robert Kasiski of FM Global.

The committee work is carried out for the next 2019 edition of the NFPA 750 standard. There are now a number of ballots by public inputs which the technical committee has worked on and now have to be voted on. Last date for returning ballots is the 10th January 2018.

The revised standard will be published on 29th April 2018 once all modifications have been accepted. The meeting in Charleston started with the report of the task groups. These concerned following topics:

- Updating of Annex D of the standard dealing with system reliability level measurements
- Analysis of different values for water supply capacity and water capacity of pumps in NFPA 20 vs. NFPA 750
- Revision of water mist system requirements in NFPA 25 to be consistent with NFPA 750

A number of editorial changes were made to NFPA 750. Some referenced standards and publications were updated.

A "Water Mist Guide" by FSSA (Fire Suppression System Association) was reference in the standard. The document has been produced to give guidance to interested parties and contains an overview of water mist technology and its applications. The document will be published in spring 2018.

A major part of the technical committee discussion concerned modification to NFPA 25. The format of the document was brought in line for water mist systems, public inputs were incorporated and some maintenance intervals were adjusted to be consistent with sprinkler requirements.

A main discussion point was the replacement requirement for automatic (glass bulb) nozzles that have been in service for 10 years. For conventional sprinklers the period is 20 years. This requirement was raised due to the concern that water mist nozzles have small orifices and that there is limited statistic data on long term component reliability. The manufacturers explained that there are numerous systems installed for more than 20 years without nozzle issues. The committee voted on remaining with 10 years replacement requirement or testing of representative samples every 5 years.

Report from the 10th Meeting of CEN/TC 191/WG 10



(Report by Luciano Nigro, Hughes Associates Europe)

On November the 8th and 9th a meeting of the WG10 was held in Essen, hosted in the offices of the Minimax company. The meeting was attended by more than 15 persons from almost all the interested countries that participated the works of the group, except France.

The first item under discussion was the result of the recent vote on the acceptance of the current draft of the design and installation document as a prEN document. The result of the vote was NO, as most of you already know, and the vote NO was caused by the negative vote of UK, France and Italy. Both UK and Italy were at the meeting, both with positive attitude. UK said they are ready to change their vote into Yes once the several comments prepared by the UK working group on water mist system has been received and discussed by the WG10. Italy mentioned the fact that the negative vote was poured by mistake into the system, due to the summer period and to the absence of the deputy in charge, but they are ready to change the vote into positive as soon as it will be possible.

With this positive approach, the work of discussing the comments received was started by the convener, Mr. Joachim Boeke, considering that more than 350 comments has been received. Surprisingly, at the end of the day one, more than 120 comments were discussed and solved, giving to the group a quite positive impulse toward the possible completion of the examination of the comments within the next meeting that will be held in Berlin on Jan 31st-Feb 1st 2018.

At the end of day two about 200 comments were completed and the general idea was that the planned completion during the next meeting was achievable. The group discussed also the way to move forward, after the completion of the comment review and the favored option was to repeat the enquiry and vote procedure, considering that the comments are so many that the document that will result after the discussion will be quite different from the original one.

The meeting was ended at 3 p.m. and all the delegates thanked a lot the guest for the excellent hospitality received.

Welcome! 😊

IWMA would like to welcome the following new members:



You probably remember Dr. Siaka Dembele... He had been a member of the IWMA Scientific Council until March 2017 when the IWMA committee members decided that only IWMA members could be committee members. Siaka then stepped down from his position within the IWMA Scientific Council. However, he has joined IWMA now as a private member and has been welcomed back by his fellow committee members.



LUND UNIVERSITY

Another new member of IWMA is Lund University, Division of Fire Safety Engineering. You probably all know Dr. Bjarne Husted, who has been a member of the IWMA Scientific Council for many years. Bjarne has given presentations at IWMA seminars and conferences and has supervised Daniel Martins award winning master thesis on “The Use of Water Mist Curtain as a Radiation Shield”.

Lund University in two minutes:

<https://www.youtube.com/watch?v=QOkfCHkAdL8>



Dr. Bjarne Husted, Lund University, Sweden



Mark Davies (Hydrocore) having a chat with Thomas Fink (FIPE)

Hydrocore Limited was established in 2012. The company is a designer and manufacture of high pressure water mist fire suppression systems. Locations of Hydrocore systems include industrial plants, airports, metro stations, rail terminals, road tunnels, transformer substations, engine test cells and other risk-based applications. The company's management team is based in the UK.



most of the Fogmaker North America team

Senior Engineer Thomas Legel says: "Fogmaker is a self-contained and sustained, ready-alert system. From fail-safe detection through ultra-fine, high-velocity vortex spray nozzles, Fogmaker's high-pressure water mist system rapidly reduces the heat and suppresses the fire in seconds. This advanced technology is the only system that simultaneously attacks all components of the fire triangle – Heat, Oxygen and Fuel."



Firefly is a Swedish supplier of fire protection systems to the process industry worldwide. For over 40 years, Firefly has specialized in creating tailor-made systems of the highest technical standard, to protect the process industry from costly fires and dust explosions. Firefly offers a range of products and solutions covering everything from spark detection and water spray extinguishing (Spark Detection Systems) to flame detection and water mist suppression (Quick Suppression Systems). Firefly co-operates with leading experts and institutions around the world and holds national and international approvals and certifications on its products. As the first company in the world, Firefly holds third party approval for their “Quick Suppression System”. A Quick Suppression System is a Fixed Automatic Discharge Fire Suppression System, including flame detection, water mist suppression and control system, with strict demands on quick system response times and fast extinguishing performance. The system is designed for quick detection and suppression of fires/flames around critical machinery or high-risk areas.



Firefly's marketing director Henrik Gustafsson and the firefly office buildings in Stockholm

20th Anniversary ...



On 15th April 2018, the International Water Mist Association will celebrate its 20th anniversary. The IWMA Marketing Group is, as mentioned, discussing plans to mark this important day for the association, its members and the technology. IWMA will shortly publish more detailed information...



Please get in touch with the IWMA headquarter in Hamburg if you have any queries!

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Please note: From 1st January 2018 IWMA will no longer have a post office box. The address P.O. Box 11 35 83 in 20453 Hamburg will therefore no longer be valid from that day onwards!

picture credits:

page 1: Grange City Hotel, IWMA/Nicola Ciccarone, IWMA/Jasmina Rahmanovic

page 2: IWMA

page 3: IWMA/Nicola Ciccarone

page 4: IWMA/Nicola Ciccarone

page 5: IWMA, private, IWMA/Nicola Ciccarone, IWMA

page 6: IWMA/Jasmina Rahmanovic

page 7: IWMA/Nicola Ciccarone

page 8: private, IWMA/Marco ter Beek

page 9: IWMA/Nicola Ciccarone, Fogmaker North America

page 10: private, firefly, M.Arendts/pixelio.de