

## IWMA News

September 2017

### IWMC 2017

The programme for the upcoming 17<sup>th</sup> International Water Mist Conference was published at the end of June. It is accessible via [www.imwa.net](http://www.imwa.net) and the big red IWMC button which is the entry to the conference webpage. In 2017, an incredible 16 companies and organizations will showcase their products during the exhibition.



As in previous years, day one of the conference will mainly deal with applications. The second day will in its greater part be dedicated to research and testing as well as to the bestowal of the "IWMA Young Talent Award 2017". IWMA President Ragnar Wighus and Hong-Zeng (Bert) Yu, chairman of the IWMA Scientific Council, will present the prize which in 2017 will go Dr. James Patrick White.



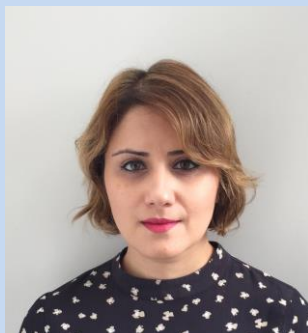
Dr. James Patrick White



Ragnar Wighus and last year's winner Daniel A. Martin

The title of Dr. White's Ph.D. thesis (and thus of his presentation) is "Measurement and Simulation of Suppression Effects in a Buoyant Turbulent Line Fire". Dr. White finished his Ph.D. thesis in 2016 at the Department of Fire Protection Engineering at the University of Maryland, USA.

First runner-up for the "IWMA Young Talent Award 2017" was Dr. Setareh Ebrahimzadeh. The title of her Ph.D. thesis: "'Extensive Study of the Interaction of a Hot Air Plume with a Water Spray by Means of CFD Simulation".



Dr. Setarah Ebrahimzadeh



Dr. Jing Liu

Second runner-up was Dr. Jing Liu. The title of her Ph.D. thesis: "A Study on Fires and associated Provisions in open Kitchens in small residential Units of tall Buildings".

### The UL Meeting

UL will hold a meeting of its "Water Mist Expert Group" in Rome, Italy, at the Barceló Aran Mantegna Hotel subsequent to the 17<sup>th</sup> International Water Mist Conference. The meeting will start on 26<sup>th</sup> October at 16:00 and end on 27<sup>th</sup> October at 13:00.

This is an independent meeting and IWMA cannot issue invitations. However, IWMA can put you in touch with UL!

## Events: Poland & UAE

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### IWMA Seminar in Poland

Earlier on this year, the IWMA Board of Directors have announced that the organization will initiate a 1<sup>st</sup> Water Mist Seminar in Poland. This event will take place in Cracow, Poland at the Galaxy Hotel on 15<sup>th</sup> November 2017!

IWMA has 100 free tickets to give away for this event, which will be held in Polish **and** English. For details and to register please go to [www.iwma.net](http://www.iwma.net) and press the other big red seminar button:



The following companies will sponsor the event and design the programme:

**SUPO®**  
*Cerber*


**Telesto**  
 MIST SYSTEMS

**CRISTANINI**  
 FIRE FIGHTING SYSTEMS


**FOGTEC®**  
 FIRE PROTECTION


**MARigff**  
 United Technologies


**ULTRA FOG®**  
 FIRE EXTINGUISHING SYSTEM


**VID**  
 fire-kill

### IWMA in Dubai

The registration for a booth at Intersec 2018 (21<sup>st</sup> – 23<sup>rd</sup> January) has been handed in. A request to book a room for a seminar has been dispatched. This means that in 2018 IWMA will be present in Dubai on the exhibition floor and that the organization will again offer a seminar.



Intersec 2013

The date: 21<sup>st</sup> January 2018, the venue: room Sharjah D at the Dubai International Convention and Exhibition Centre. The seminar will be a half-day event. It will start at 1 p.m. and end at 5 p.m. with ample time to discuss and network.

To permit IWMA to carry out the plans for a 3<sup>rd</sup> Water Mist Seminar in Dubai the organization is currently looking for sponsors and speakers. A sponsorship will cost 1,000 €. It will include a table top for a small exhibition in the foyer of the seminar room, the company logo on all marketing material as well as the option to display brochures in the IWMA booth during Intersec 2018.

## News from CEN

At the beginning of June a draft of prEN 14972-1:2017 ("Fixed firefighting systems – Water Mist Systems – Part 1: Design, Installation, Inspection and Maintenance") was published and forwarded to all CEN members. It has been prepared and drawn up by CEN/TC 191/WG 10 under the chairmanship of Dr. Joachim Böke (Minimax). It will eventually supersede CEN/TS 14972:2011. At this moment the document is not a European Standard. **However, it can be used and referred to in contracts!!!**



CEN/TC 191/WG 10-chairman Dr. Joachim Böke

For the time being, the CEN members are invited to comment, provide supporting documentation and to make the Technical Committee aware of any relevant patent rights.

On becoming a European Standard the CEN members will be bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alterations.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

## IWMA at ... (Reports)

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The last meeting of CEN/TC 191/WG 10 took place in Berlin on 11<sup>th</sup> July 2017. Member of the IWMA Board of Directors Alex Palle took part and here is his report:



Alex Palle, member of the IWMA Board of Directors

- 1) The prEN14972 part 1 has been sent for public inquiry as announced last time. Once commenting deadline is reached end of August, the WG10 (working group 10) will begin to handle the comments. This work will commence at the WG10 meeting on 8<sup>th</sup> of November 2017.
- 2) Besides prEN14972 part 1 the working group has been working on getting the other agreed “parts” of the prEN14972 ready to be sent to public inquiry phase – these “parts” being the fire

- 3) test protocols (part 2-17). The status before the meeting was that “parts” / fire test protocols for wet benches (part 13), industrial cookers (part 16) and machinery spaces (part 8 & 9) had already been made activated for public inquiry phase and these should be made public available for comments soon.
- 4) The working group used the meeting in June finalizing “parts” / fire test protocols for turbines (part 14 & 15), residential occupancies (part 17), low hazards (part 7) and atrium (part 10). These should also be made public available for comments soon.
- 5) The remaining parts 2, 3, 4, 5, 6, 11 and 12 will be worked on in future meetings in 2017.
- 6) Besides working on the fire test protocols, the working group decided to create a small task group having the assignment to prepare “parts” describing requirements for certain watermist components such as nozzles, valves, strainers, pumps etc. They will meet the 11<sup>th</sup> of July 2017 to start this task.
- 7) The next WG10 meeting will be held in Essen the 8-9<sup>th</sup> of November 2017.

The below picture shows the structure of EN 14972. In the future there will be more “parts” for more fire test protocols and component requirements standards.

EN 14972, Fixed firefighting systems — Water mist systems, consists of the following parts:
— Part 1: Design, installation, inspection and maintenance;
— Part 2: Test protocol for shopping areas for automatic nozzle systems
— Part 3: Test protocol for office, school class rooms and hotel for automatic nozzle systems;
— Part 4: Test protocol for non-storage occupancies for automatic nozzle systems;
— Part 5: Test protocol for car garages for automatic nozzle systems;
— Part 6: Test protocol for false floors and false ceilings for automatic nozzle systems;
— Part 7: Test protocol for commercial low hazard occupancies for automatic nozzle systems;
— Part 8: Test protocol for machinery in enclosures exceeding 260 m <sup>3</sup> for open nozzle systems;
— Part 9: Test protocol for machinery in enclosures not exceeding 260 m <sup>3</sup> for open nozzle systems;
— Part 10: Test protocol for atrium protection with sidewall nozzles for open nozzle systems;
— Part 11: Test protocol for cable tunnels for open nozzle systems;
— Part 12: Test protocol for commercial deep fat cooking fryers for open nozzle systems;
— Part 13: Test protocol for wet benches and other similar processing equipment for open nozzle systems;
— Part 14: Test protocol for combustion turbines in enclosures exceeding 260 m <sup>3</sup> for open nozzle systems;
— Part 15: Test protocol for combustion turbines in enclosures not exceeding 260 m <sup>3</sup> for open nozzle systems;
— Part 16: Test protocol for industrial oil cookers for open nozzle systems;
— Part 17: Test protocol for residential occupancies for automatic nozzle systems.

## Welcome! 😊

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IWMA would like to welcome the following new members:

iMist is a UK supplier of domestic and residential water mist fire protection. The company was founded in 2015, started with three employees and has rapidly expanded. In 2017, they count 25 members of staff and have plans to double that number within the coming year.



iMist at work

“Opening three offices in England, Scotland and Wales, and opening a factory where all iMist’s material and equipment are made has been no mean feat and we are currently looking to expand throughout Europe”, says Operations Director Alex Pollard.

Actually:

iMist are currently looking for European fire protection companies to become distributors of their systems. If you are interested please get in touch with [alex.brown@imist.net](mailto:alex.brown@imist.net)

“I am Zahra Mohamed Sorour. In Fall 2016, I graduated from the American University in Cairo with a bachelor’s degree in Electronics and Communication Engineering and a double minor in Entrepreneurship and Rhetorical Writing. At the beginning of 2017, I started working in my father’s company, Deutschland Technology, which is Marioff’s partner in the Middle East. A few months ago, I became the Managing Director of the company, and my father is now the CEO & President of





Zahra Mohamed Sorour

it. It is a family business, so our future plan is to have a Board of Directors, which consists of my father, sisters, brother and myself, to together maintain the strong position of the company in the Middle East. I am really proud of my father's achievements in growing up this company in a very short period of time, and I am really passionate about the business. In September, also, I will be starting my master's degree in Engineering with concentration in Management of Technology at the same university. My future academic plan is to study MBA in one of the top European MBA universities, but after I gain experience in the business world. My main focus now is on strengthening, innovating and empowering Deutschland Technology. I am really glad I was able to become part of IWMA as I am sure this will be a great opportunity for getting in touch with the many of the firefighting systems' experts all over the world and expanding my new business circle."

I have applied for membership because I am currently managing a huge firefighting system company with my father and I wanted to be part of the well-known association that brought all fire experts together in one place, and therefore be one fire expert, one day. Regarding my expectations, I expect that reading the newsletter would enhance my knowledge about the firefighting systems world and deepen it. I expect knowing about all the exhibitions and conferences that are held for fire and safety all around the world (this already happened). I expect to meet many fire experts and widen my circle of contacts in the field. I expect that I will start becoming more familiar to the interested people in the field of fire and therefore make my company more familiarized. Last but not least, I expect to develop my company from learning from other people and experiences through the IWMA events.

## The Grenfell Tower Fire

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You may have seen that IWMA have published a statement on the IWMA webpage:

"The Grenfell Tower fire has killed at least 79 people. The burning and then charred tower has been in the news again and again. Many have lost members of their family as well as friends and neighbours. Many, who have witnessed this horrific incident, are still in shock. Many are simply furious and outraged.

This case will remain open for a long while. Many questions will have to be asked and answered.



For those working in fire protection, incidents like the Grenfell Tower fire are frustrating, they make us angry, because the need for fire protection is so often underestimated, even ignored.

What remains to be said today is that the IWMA board of directors, the IWMA committees as well as all IWMA members hope that the bereaved will cope, the injured will recover and all will be able to forgive.”

Please go to the news section of the IWMA homepage to access the official webpage of the Grenfell Tower Inquiry!

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

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