

# Opening address

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SP Sveriges Tekniska Forskningsinstitut

**IWMC 2014 Istanbul**

# International Water Mist Association (IWMA)

- Purpose and objectives of the association is the advancement of the idea of innovative fire protection in the public especially via water mist technology IWMA (Articles, §2)
- From the IWMA's international headquarters in Hamburg, Germany, it supports the continued development, research and applications engineering of generic water mist systems.
- Manufacturers, distributors, insurance companies, scientific institutes, approval bodies, fire departments as well as private persons are members of the IWMA.

# 14 International Water Mist Conference (IWMC)

- This year's IWMC in Istanbul is attended by 94 delegates from 21 countries
- It is organized by one day about Applications of water mist fire protection systems, and one day on Research and testing
- The evening of the first day will combine networking and exhibition with something to eat and drink, all supported by our sponsors sponsors (see the programme)

# IWMA

- IWMA organizes a Scientific Council, a Marketing Council and arranges the IWMC annually.
- IWMC has developed to be a unique venue for meeting with colleagues, discuss common topics in the field, exchange ideas for new applications and for networking
- In addition, IWMA arranges seminars at different locations, to promote water mist in regions of special interest

## Strategic work

- The members of IWMA participate in several national and international standardization committees and work groups
- An initiative to help re-writing the existing CEN TS 14972 into a form to become a European Standard, has resulted in a proposal this year.
- A Nordic Standard on fire test protocol for water mist nozzles for residential protection has been released this year (INSTA 900-3)
- IWMA cooperates with various organizations and groups to fulfill its vision on protection of life and properties

## Research initiated by IWMA

- A research project initiated last year financed by IWMA is presented at this conference. It is about existing test protocols for water mist systems, and sums up the type of fire tests that is in use for documenting the systems, and the acceptance criteria for the performance

## Future challenges:

- The water mist systems and the nozzles developed by different manufacturers have been documented by relevant fire testing to be approved
- BUT:
- The application of the test results and implementation of water mist systems in fire safety engineering is still a challenge
- The use of CFD modelling in fire safety engineering is addressed by a position paper issued by IWMA. To develop relevant methods to validate and verify the CFD models in these cases is a challenge

- **Welcome to the conference!**



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