

## Overview

### Date of the conference

February 12 - 13, 2019

### Venue

Leonardo Hotel Hannover Airport  
Petzelstraße 60  
30855 Langenhagen, Germany

### Accommodation

A limited number of rooms has been reserved at the Leonardo Hotel Hannover Airport (venue).

Detailed hotel information see [www.eusas.org](http://www.eusas.org)

**Please make your own hotel reservations**

mentioning "EUSAS Conference"

**until January 16, 2019 at the latest.**

**The conference dinner** will be in the evening of February 12, 2019.

### Conference fees

EUSAS members	300 EURO
Students	100 EURO
Public services (e.g. fire brigades)	400 EURO
Others	500 EURO

### 10 % Early bird discount

There will be a discount of 10% for registration until December 21, 2018

### Local organisation

Dr. Oliver Linden  
Phone: +49 (0) 511 97383 271  
E-Mail: [oliver.linden@wagner.de](mailto:oliver.linden@wagner.de)

## Registration

Please use the enclosed registration form and send it by mail, email or fax to EUSAS to the attention of Mrs. P. Mang (address see below) **by February 7, 2019 at the latest.**

**Please note that the number of conference participants is limited** and will be allocated on a first come first served basis.

You may also find the registration form on the EUSAS homepage [www.eusas.org/events](http://www.eusas.org/events)

### Cancellation

Registrations can be cancelled in written form without charge until 2 weeks before the conference. No re-imbursment of fee is possible in case of later cancellation. In case a registered participant is indisposed, it is possible to appoint a deputy. Please be so kind to give us the person's name well in advance. In case the conference is cancelled by EUSAS, we shall reimburse the registration fee that has already been paid. EUSAS shall not accept any claims beyond that.

### Conference organisation

Universität Duisburg-Essen  
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UNIVERSITÄT  
DUISBURG  
ESSEN



## European Conference on Aerosols in the scope of fire detection

Conference language  
English



February  
12 - 13, 2019  
Langenhagen  
Germany

hosted by

**WAGNER®**



## Tuesday, February 12, 2019

11:00 **Registration & Welcome snack**

12:00 **Welcome**

Andreas Czyliwik, *EUSAS Chairman*  
Werner Wagner, *Head of Wagner Group*

### Session 1 Research Projects

Chairman Andreas Czyliwik, *University Duisburg-Essen*

12:30 **Detection of incipient fires by gases**

Sarah Hahn, *Otto-von-Guericke-Universität Magdeburg, Germany*

13:00 **First results of large-scale experiments on smoke distribution in the early stage of the fire**

Marion Meinert, *Hekatron, Germany*  
Sebastian Festag, *ZVEI, Germany*

13:30 **Analysis of particle detection in warehouse storage and high ceiling environments**

Josh Dinaburg, *Jensen Hughes, USA*

14:00 **Coffee break**

### Session 2 Testing and Calibration

Chairman Michael Schnell, *EUSAS*

14:30 **Calibration and declaration of sensitivity for optical smoke detectors**

Oliver Linden, *Wagner, Germany*

15:00 **EN 54-27 Duct for fire tests – Air velocity measurements and acceptance criteria for improved reproducibility**

Florence Daniault, *Wagner, Germany*

15:30 **EN 54-27 Duct smoke detector – Leakage testing**

Peter Massingberd-Mundy, *Xtralis, UK*

16:00 **End of the first conference day**

16:15 **EUSAS Annual General Meeting (members only)**

19:00 **Conference dinner (sponsored by Wagner)**

## Wednesday, February 13, 2019

09:00 **Welcome for the second conference day**

### Session 3 Research Projects

Chairman Kurt Lenkeit, *Minimax*

09:00 **Polarimetric light scattering analyses in the scope of smoke detection**

Lea Sichma, Thorsten Schultze  
*University Duisburg-Essen, Germany*

09:30 **Characterization of optical properties of aerosols for fire detection**

Aleksandar Duric, *Siemens, Switzerland*

10:00 **Ability of multi-sensor fire detectors to differentiate between fire and non-fire phenomena**

Raman Chagger, *BRE, UK*

10:30 **Coffee break**

### Session 4 Standardisation

Chairman Oliver Linden, *Wagner*

11:00 **TC 72 – Activities and outlook**

Peter Massingberd-Mundy  
*Chairman CEN/TC 72, UK*

11:30 **Panel discussion: Standardisation – Fit for the future?**

Lance Ruetimann, *EURALARM, Germany*

12:00 **UL 268 – New requirements for preventing nuisance alarms**

Nigel Talbot, *UL International, Germany*

12:30 **Closing of the conference**

Andreas Czyliwik, *EUSAS Chairman*

12:40 **Business lunch**

13:30 **Wagner tour**

15:30 **End of the second conference day**

## Aim of the conference



The aim of this EUSAS conference is to give an overview about state-of-the-art, recent developments and future trends as well as to provide a platform for sharing experiences in the field of research, application and testing of fire safety technologies, with focus on aerosols in the scope of fire detection.

The first and third session concentrate on research projects with special regard to very early fire detection and enhanced immunity to false alarms. The second session deals with testing according to EN 54-27 and calibration of optical smoke detectors. The last session changes the focus on standardization activities, containing a panel discussion on the topic of how far today's standardization will suffice for the future.

## Target group

The conference is aimed at representatives of the fire industry, test institutes, standard developers, practitioners and to scientists, who are interested in fire protection engineering and / or in the EUSAS work in context of fire detection and system technologies.

## Additional information

Following the conference, delegates will have the opportunity to participate in the WAGNER Tour and attend demonstrations of innovative fire safety. A bus will be available for the short journey (5 minutes) from the hotel to the Wagner headquarters and back.