

## Overview

### Date of the conference

July 10 - 11, 2018

### Venue

Airbus Operations GmbH  
Airbus-Allee 1  
28199 Bremen, Germany

### Accommodation

A limited number of rooms has been reserved at a special rate at the ATLANTIC Hotel Airport Bremen, Flughafenallee 26, 28199 Bremen (in walking distance to the venue).

Detailed hotel information see [www.eusas.org](http://www.eusas.org)  
**Please make your own hotel reservations mentioning "EUSAS-EURALARM Conference" until May 4, 2018 at the latest.**

**The conference dinner** will be in the evening of July 10, 2018.

### Conference fees

EUSAS & EURALARM 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 May 25, 2018

### Local organisation

Dr. André Freiling  
Phone: +49 (0) 160 9010 5502  
E-Mail: [andre.freiling@airbus.com](mailto:andre.freiling@airbus.com)

## 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 July 2, 2018 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  
EUSAS e.V. Sekretariat  
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UNIVERSITÄT  
DUISBURG  
ESSEN



European Conference on

## Fire detection and security in the aviation sector

Conference language  
English



July  
10 - 11, 2018  
Bremen  
Germany



## Tuesday, July 10, 2018

11:00 **Registration & Welcome snack**

12:00 **Welcome**

Andreas Czyliwik, *EUSAS Chairman*  
Dominique Taudin, *EURALARM Chairman Fire Section*  
André Walter, *Head of Site and Plant Bremen, Airbus*

**Session 1 Fire detection and extinguishing in aircraft**

Chairman André Freiling, *Airbus*

12:30 **Certification of smoke detection systems in aircraft: The 60 second-rule vs. the latest smoke detection technology**

André Freiling, *Airbus, Germany*

13:00 **Development of aircraft smoke detectors to reduce false alarms**

Ken Bell, *UTC Aerospace Systems, UK*

13:30 **Advanced fire detection and suppression in passenger aircrafts**

Jan Boris Philipp, *AOA Gauting, Germany*

14:00 **Simulation of extinguishing in aircraft**

Konstantin Kallergis, *Airbus, Germany*

14:30 **Coffee break**

**Session 2 Extinguishing and evacuation**

Chairman Andreas Czyliwik, *EUSAS*

15:00 **Halon alternatives for aviation applications**

Terry Simpson, *UTC Aerospace Systems, UK*

15:30 **General framework of aircraft evacuation tests**

Wolfgang Moeller, *Airbus, Germany*

16:00 **Integrated security & safety solutions for airports**

Maarten Wings, *Bosch, Germany*

16:30 **Voice alarm / Voice evacuation in airports - Interfacing VACIE and CIE - Challenges in larger systems like airports**

Roland Voraberger, *g+m Elektronik, Switzerland*

17:00 **End of the first conference day**

17:10 **EUSAS Annual General Meeting (members only)**

19:00 **Conference dinner**

## Wednesday, July 11, 2018

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

**Session 3 Fire detection in airport areas**

Chairman Thorsten Schultze, *University Duisburg-Essen*

09:00 **Effective and early fire detection in aircraft hangars**

Sören Wittmann, *Bosch, Germany*

09:30 **Special fire detection systems on airports - Challenges in hangars, cable tunnels and airport halls**

Stefan Brügger, *Securiton, Switzerland*

10:00 **Fire detection by thermal radiation in open and half open storage places**

Simon Trippler, *Jörg Kelleter, GTE, Germany*

10:30 **Coffee break**

**Session 4 Evacuation and escape routing**

Chairman Michael Scharnowsky, *EURALARM*

11:00 **Protection with video analysis against intrusion of the security zone „Critical Parts“ of bulky luggage belts in airports**

Thomas Hermes, *Securiton, Germany*

Michael Seidl, *Fraport, Germany*

11:30 **Considering the human factor into modern technologies: Explanation on adaptive escape routing systems**

Sebastian Festag, *ZVEI, Germany*

12:00 **Coupling of fire and pedestrian dynamics and real-time smoke spread simulations**

Lukas Arnold, *Forschungszentrum Jülich, Germany*

12:30 **Closing of the conference**

Andreas Czyliwik, *EUSAS Chairman*

Dominique Taudin, *EURALARM Chairman Fire Section*

12:40 **Business lunch**

14:00 **Airbus tour**

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

## Aim of the conference



This conference is about sharing experiences in the field of research, application and testing of fire safety and security technologies with the focus on aircraft and airport applications, but will also include aspects regarding passenger safety.

The first session in the conference is considering various aspects of fire detection and fire extinguishing in aircraft. The second session changes the focus from fire detection to more integrated safety and security solutions as well as to evacuation and extinguishing in airports and aircraft.

The third session concentrates on early and effective fire detection technologies for different special applications of airports, like hangars or cable tunnels. After looking into current questions of security in luggage areas of airports, the fourth session will focus on evacuation and related human behavior in crowded public areas such as in airports.

It is obvious that the conference will highlight a variety of today's aviation and airport-specific safety and security issues, providing attendees with an overview, deeper insights on special topics and inspire fruitful discussions.

## Target group

The conference is aimed at representatives of airports, of the aviation industry, of the fire and security industry, test institutes, standard developers, practitioners and to scientists, who are interested in engineering and technologies of fire safety and security in the aviation sector.