

**Date** of the conference: June 21<sup>st</sup> / 22<sup>nd</sup>, 2007

**Venue:**

Airbus Deutschland GmbH  
Hünefeldstr. 1-5  
28199 Bremen, Germany

**A conference dinner** in the evening of June 21<sup>st</sup> will be organized.

**Fees:**

Members EUSAS	175 €
Members EURALARM	250 €
Students	100 €
Others	350 €

There will be a discount of 10% for registration before May 25<sup>th</sup>, 2007.

**Bank account:**

Bank	<b>Sparkasse Duisburg</b>
Account No.	<b>200021715</b>
Account holder	<b>EUSAS European Society for Automatic Alarm Systems</b>
Bank code	<b>BLZ 350 500 00</b>
Specific term	<b>Bremen</b>
Swift-BIC	<b>DUISDE33XXX</b>
IBAN	<b>DE11 3505 0000 0200 0217 15</b>

**Conference organization:**

Universität Duisburg-Essen  
Nachrichtentechnische Systeme  
Bismarckstraße 81  
47057 Duisburg / Germany

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**Registration:**

Please use the enclosed registration form and send it preferably by email, mail or fax to the University Duisburg-Essen, Petra Kaiser (addresses see below)

**by June 19<sup>th</sup>, 2007 at the latest.**

**Registration in advance before the conference is mandatory.**

**Cancellation:**

Registrations can be cancelled in written form without charge until 2 weeks before the conference. No reimbursement of fee is possible in case of later cancellation.

In case a registered participant is indisposed, you are welcome 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.



**EUSAS Conference on**

**Airborne Fire Protection**

**June 21<sup>st</sup> / 22<sup>nd</sup>, 2007**

**Bremen, Germany**

**Program:****Thursday, June 21<sup>st</sup>, 2007, Bremen****11:30 Registration****Chairman: Prof. D. Kohl, Universität Giessen**

- |       |   |   |
|-------|---|---|
| 12:40 | Welcome   | Prof. em. H. Luck<br>Universität Duisburg-<br>Essen |
| 12:50 | Overview on aircraft fire<br>and smoke detection<br>and recent<br>developments  | Dr. A. Freiling<br>Airbus Bremen                    |
| 13:30 | Aircraft video<br>surveillance –<br>applications and<br>challenges  | P. Doorman<br>Airbus Bremen                         |
| 14:00 | Optimization of multi-<br>criteria detection for<br>aircraft cargo<br>compartment   | Ph. Mangon<br>Siemens<br>Buc Cedex, France          |
| 14:30 | Multi-criteria fire<br>detection using new<br>nano-structured semi-<br>conductor gas sensors  | J. Kreutle<br>Engineering<br>AOA Gauting            |
| 14:50 | Coffee Break  |   |
| 15:20 | Fire detection by<br>gaseous emissions  | Prof. D. Kohl<br>Universität Giessen                |
| 15:50 | Fire Gas Detection - a<br>successful space<br>technology transfer for<br>the improvement of<br>safety of terrestrial and<br>air borne transportation<br>systems | U. de Vries<br>EADS RST Rostock                     |
| 16:10 | End of 1 <sup>st</sup> conference<br>day  |   |

**20:00 Conference Dinner****Program:****Friday, June 22<sup>nd</sup>, 2007, Bremen****Chairman: Dr. A. Freiling, Airbus Bremen**

- |        |  |   |
|--------|--|---|
| 09:00  | Computational Fluid<br>Dynamics (CFD) based<br>simulation for aviation | Prof. E. Galea<br>University of<br>Greenwich  |
| t.b.c. |  |   |
| 09:30  | Fire extinguishing in<br>aircraft cargo<br>compartments                | S. Chaer<br>Pacific Scientific                |
| t.b.c. |  |   |
| 10:00  | Fire detection for aircraft<br>engines                                 | R. Deletain<br>Airbus Toulouse                |
| t.b.c. |  |   |
| 10:30  | Fire extinguishing in<br>aircraft engines                              | Dr. M. Müller<br>Siemens<br>Buc Cedex, France |
| 11:00  | Coffee break   |   |

**Chairman: Christian Schmid, Airbus Bremen**

- |       |   |  |
|-------|---|--|
| 11:20 | Fire gas detection –<br>practical aspects             | Dr. J. Kelleter<br>GTE, Viersen                  |
| 11:50 | Aircraft fire safety from<br>materials point of view  | H.-P. Busch<br>Airbus Bremen                     |
| 12:20 | Discussion  |  |
| 12:40 | Closing of the<br>conference                          | Prof. I. Willms<br>Universität<br>Duisburg-Essen |
| 12:50 | Lunch break   |  |
| 13:30 | <b>Tour around selected<br/>departments of Airbus</b> |  |
| 15:00 | End of the 2 <sup>nd</sup><br>conference day          |  |

**Airborne Fire Protection****Aim of the conference**

Airborne fire protection is a highly specialized field and the used products are in general quite different from those used in industrial fire protection. Especially cargo compartments impose tough requirements on fire detection components due to continuously changing environments with extreme conditions concerning temperature, humidity, pressure and emissions from the freight.

This has lead to developments of detectors and extinguishing components which really reflect the state-of-the-art in fire protection. Therefore the topic of airborne fire protection is also of high interest for future developments of products for typical industrial applications.

In the first part the conference gives an overview on the latest developments in aircraft fire detection and in the topics of multi-criteria multi-sensor based fire detection including gas detection. Also the area of video surveillance is included.

The second part of the conference is devoted to questions of aircraft fire engineering, extinguishing of fires in cargo areas and in the engines. Finally application aspects are discussed concerning different view points (conc. operation and materials).

**Target group**

The conference is targeted at engineers and representatives from the electronic fire protection industry, specifically members of EUSAS, EURALARM, enterprises, notified bodies and their sector groups as wells as test houses.

Please note that the conference language is English!