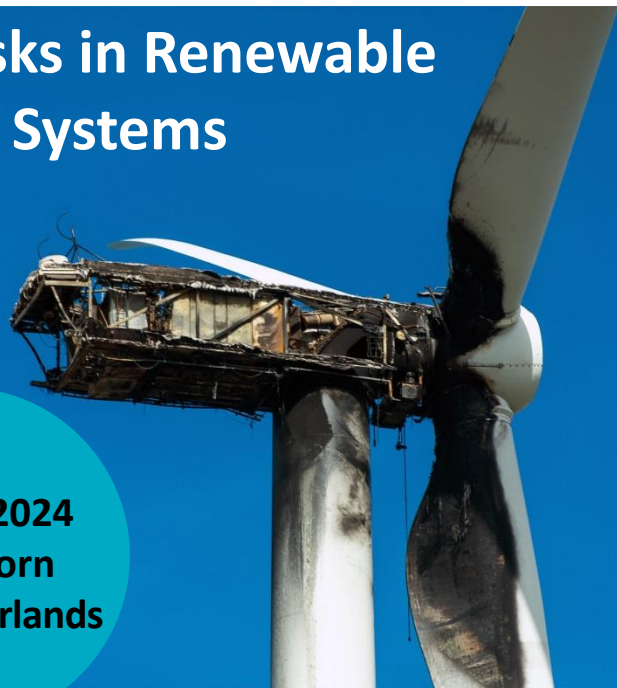


Fire Risks in Renewable Energy Systems

**April
16 - 17, 2024
Apeldoorn
The Netherlands**



Aim of the conference

Renewable energy systems contain new components like photovoltaic panels on roofs of buildings, battery systems in basements of residential houses and commercial buildings, wind turbines with energy systems in high altitude platforms. These new components create new fire risks and require new solutions for fire detection, fire suppression, etc.

This conference will provide an up-to-date overview of the hazards from different perspectives and developments with a look at technologies, politics, and law. Furthermore, current research activities, concrete technical solutions and applications are shown.

EUSAS e.V. (European Society for Automatic Alarm Systems e.V.; c/o University of Duisburg-Essen) provides an international platform for promoting the science of fire protection and security comprising fire detection, extinguishing, intrusion detection, access control and video monitoring. The principal objective is experience sharing, exchange of views among professionals, and know-how consolidation. For this purpose, EUSAS e.V. organises conferences. The conference language is English.

Kiwa contributes to sustainable solutions for our today's and future energy supply. Kiwa offers a one stop shop service to cover safety and quality demands for energy installations and related components. Together with the manufacturing industry, governments, network operators, education centers and other parties, Kiwa sets the standard in acceptable technologies and solutions. Kiwa can support by delivering extended services in testing and certification of products and systems, verifications and consultancy and training.

Conference fees

EUSAS Members	300 EUR
Students	50 EUR
Public services	400 EUR
Others	500 EUR

Early bird discount

10% discount for registration until
March 12th, 2024



Conference organisation

Universität Duisburg-Essen
EUSAS e.V. Sekretariat
Dr.-Ing. Thorsten Schultze
Mrs. Patricia Mang

Bismarckstrasse 81
47057 Duisburg / Germany
e-mail eusas@uni-due.de

Venue: Kiwa,
Kuipersveld, Wilmersdorf 50, 7327 AC Apeldoorn,
The Netherlands



April 16th, 2024

11:30 **Registration and Welcome Snack**

12:15 **Welcome**

Prof. Dr. Andreas Czulwik, EUSAS e.V. Chairman,
Daan ten Have, Commercial Manager Alternative Fuels & Consumer Products, Kiwa

Session 1 Fire Risks and Solutions in Photovoltaic Systems

Albertine Ibrahim, Kiwa, The Netherlands

12:30 **Fire Safety Requirements of PV-Modules for Facade and Roof Integrated Applications (BIPV)**

Dr.-Ing. Michael Kothe, Kiwa MPA Dresden GmbH, Germany

13:00 **PV Protect – Innovative Fire Protection for Roofs with Photovoltaic Systems**

Thorsten Gieseke and Bernd Fingas, Minimax, Germany

13:30 **Hazard Defence for Fire and other Risks in Renewable Energy Installations**

Thomas Hermes, Securiton GmbH, Germany

14:00 **Break**

Session 2 Fire Risks and Solutions in Wind Turbines / Fire Risks and Solutions in Hydrogen Systems I

Bettina Bormann, VdS, Germany

14:30 **Fire Risks and Fire Prevention Systems in Wind Turbines**

Petri Hannuniemi, Kiwa Inspecta, Finland

15:00 **The Hydrogen Market - Developments and Outlook**

Andreas Schierenbeck, HH2E AG, Germany

15:30 **Research on Hydrogen Safety for Emergency Services**

Dr. Margreet Spoelstra, NIPV, The Netherlands

16:00 **End of the First Day (Summary)**

Prof. Dr. Andreas Czulwik, EUSAS e.V. Chairman

16:15 **EUSAS General Meeting (Members only)**

19:00 **Dinner: Hotel Van der Valk Apeldoorn, Landgoedlaan 26, 7325 AW Apeldoorn**

Registration Please use the enclosed registration form and send it by email to eusas@uni-due.de by April 5th, 2024, 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

April 17th, 2024

Session 3 Fire Risks and Solutions in Hydrogen Systems II

Lance Rütimann, EUSAS e.V., Germany

09:00 **Bridging the Gap Between Real Risks and Renewable Energy Regulations: Examples from Europe & France**

Damien Roubineau, CNPP, France

09:30 **Impact of Hydrogen on Fire Safety in Buildings**

Sjoerd Delnooz, Kiwa Technology, The Netherlands

10:00 **Fire Safety Concepts for New Applications like Energy Storages, Hydrogen**

Günter Sonnleitner, Siemens Austria, Austria

10:30 **Break**

Session 4 Fire Risks and Solutions for Battery Storage Systems

Prof. Dr. Andreas Czulwik, EUSAS e.V., Germany

11:00 **Examination of Safety Concerns in Li-Ion Battery Technology**

Nadiya Eichberg, Kiwa Primara GmbH, Germany

11:30 **Fire Alarm Systems for Renewables Focussing on Battery Storage**

Dr. Simon Trippler, Scheuer und Neuman Expert Office, Germany

12:00 **Mitigate Fire Protection Challenges Related to Renewable Energies**

Marcel Ruesink, VdS Nederland B.V., The Netherlands

12:30 **Discussion**

13:00 **Closing of the Conference**

Prof. Dr. Andreas Czulwik, EUSAS e.V. Chairman

13:30 **Kiwa Tour**

Hotel Recommendations The conference will take place in the south of Apeldoorn. The dinner will take place in the hotel "Van der Valk Hotel Apeldoorn" (Landgoedlaan 26). It is located approx. 7 km northeast of the conference venue. A second Hotel "Van der Valk Apeldoorn - De Cantharel" (Golsteinlaan 20) is 7 km to the west. About 8 km to the north is the city center of Apeldoorn with other hotels in various price categories.

Cancellation Registrations can be cancelled in written form without charge until 2 weeks before the conference. No re-imbursement 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.

**Registration form for the European Conference on
“Fire Risks in Renewable Energy Systems“
April 16 - 17, 2024
Apeldoorn, The Netherlands**



.....
Name and title

.....
E-mail

.....
Institution or Company

.....
Reference of your accounts department and/or internal order no.

.....
Postal address

.....
Country

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Phone

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Fax

I will join the conference dinner on April 16, 2024

☐ **Yes, number of persons:**

☐ **No**

EUSAS member

☐ **Yes**

☐ **No**

Please send me an invoice

☐ **Payment must be received by April 12th**

I will pay in cash at the registration

☐ **No credit cards please!**

I herewith agree that EUSAS e.V (European Society for Automatic Alarm Systems e.V.) uses my data according to the General Data Protection Regulation (GDPR) in order to meet the objective of EUSAS e.V. only (invitations to EUSAS/EURALARM-, EUSAS- and AUBE conferences). My data will be handled with due care and respect, only within EUSAS e.V., and are not forwarded to a third party. They are neither circulated nor published on the internet.

.....
Date

.....
Signature

Please return this registration form by April 5, 2024 at the latest to: **Mr. Thorsten Schultze**, NTS, Universität Duisburg-Essen
by email: eusas@uni-due.de

This registration form does not cover the hotel reservation! Please make your own hotel reservations (detailed information see www.eusas.org).