Date of the conference
March 25 - 26, 2020

Venue
Federatie Veilig Nederland
Zilverstraat 69
2718 RP Zoetermeer, The Netherlands

Hotel recommendations in the area of the venue
Bastion Hotel Zoetermeer
Golden Tulip Zoetermeer
Van de Valk Noordorp-Den Haag

Local organisation
Erwin Schoemaker
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The conference dinner will be in the evening of March 25, 2020.

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 March 18, 2020 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

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.

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 February 25, 2020

Conference organisation
Universität Duisburg-Essen
EUSAS e.V. Secretariat
Dr.-Ing. Thorsten Schultze
Mrs. Patricia Mang
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47057 Duisburg / Germany
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European Conference on
Artificial intelligence in fire detection and security – without the hype

Conference language
English
Wednesday, March 25, 2020

11:15 Registration & welcome snack

12:30 Welcome
Andreas Czylwik, EUSAS Chairman
Erwin Schoemaker, Federatie Veilig Nederland

Session 1 What is artificial intelligence? General issues
Chairman Sebastian Festag, Hekatron

13:00 Artificial intelligence: Definition and history
Santosh Sharman, René Bisperink, KIWA, Netherlands

13:30 AI in industry 4.0: Application scenarios and trends in industrial value creation
Tim van Erp, ZVEI, Germany

14:00 Connection between AI and fire industry
Paul van der Zanden, Euralarm

14:30 AI-methods in smart buildings
Hilko Hoffmann, DFKI, Germany

15:00 Coffee break

Session 2 What can AI do for fire detection and security? Opportunities / benefits (Part 1)
Chairman Lance Rütimann, Siemens

16:00 Artificial intelligence and fire safety engineering
Guillemo Rein, Imperial College London, UK

16:30 Opportunities that artificial intelligence offers in respect of fire detection
Paul Sant, University of Bedfordshire, UK

17:00 Protocol of validation of artificial intelligence in security / safety devices
Ibrahim Daoudi, CNPP, France

18:00 EUSAS annual general meeting (members only)

20:00 Conference dinner

Thursday, March 26, 2020

09:00 Welcome for the second conference day

Session 2 What can AI do for fire detection and security? Opportunities / benefits (Part 2)
Chairman Lance Rütimann, Siemens

09:15 Deep learning for video smoke detection: Opportunities and challenges
Andreas Wellhausen, Bosch, Germany

09:45 Risks and benefits when training AI on synthetic data
Philip Dietrich, Bosch, Germany

10:15 Artificial intelligence and fire fighting intervention
Florian Vandecasteele, AE - architects for business & ICT, Belgium

10:45 Coffee break

Session 3 How to manage the consequences of AI: Risks / consequences
Chairman Peter Massingberd-Mundy, Xtralis

11:30 Understanding and influencing the future EU legislative framework
Pierre Lucas, orgalim

12:00 What AI standards & legislation could mean for our industry; Europe and worldwide
Lance Rütimann, Euralarm

12:30 Panel discussion

13:00 Closing of the conference
Andreas Czylwik, EUSAS Chairman
Erwin Schoemaker, Federatie Veilig Nederland

13:15 Business lunch

14:30 End of the second conference day

Aim of the conference

EUSAS e.V. (European Society for Automatic Alarm Systems e.V.; c/o University Duisburg-Essen) provides a European 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 aim of this EUSAS conference is to give an overview about artificial intelligence in fire detection and security. The first session gives an introduction to Artificial Intelligence (AI) to achieve common understanding of what it means and what the commonalities are between AI, big data, machine learning, deep learning.

The second session shows examples how AI can support or optimise fire detection and security in the area of current and future applications, technologies and research. The last session reviews the use of AI technology within defined safe and ethical boundaries as the basis for the future of technical standards and legislative norms in our industry.

Target group

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