



EUSAS-Conference (hosted by VEBON)
March 25th/26th, 2020 in Zoetermeer NL:
**“Artificial intelligence in fire detection
and security – without the hype”**

Version: 02.12.2019

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 conference language is English.

EUSAS Conference March 2020 (hosted by VEBON)

Title:	Artificial intelligence in fire detection and security – without the hype
Dates:	March 25th/26th, 2020
Location:	VEBON, Zoetermeer NL
Participants:	40 participants
Content Committee:	Dr. Sebastian Festag, Lance Rütimann, Peter Massingberd-Mundy

Call for speakers → Deadline December 13th, 2019

Your **presentation** should take **20' + 10' for Q&A** (conference language is English). The audience consists mainly of European experts in the field of fire protection system technologies. Should you submit a paper (scope is about 6-8 pages), you will receive an honorarium of 300 Euro. Travel and accommodation costs within reasonable limits will be reimbursed.

Session 1: What is AI – General issues (15'):
N.N., xyz (2-3 presentations)

Objective: 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.

- 1 presentation: definition and history (N.N.)
- 2 presentation: Application and trends (medicine, transport ...) (N.N. → LR)
- 3 presentation: Connection between AI and Fire Industry (Paul v. Z. →LR)

Session 2: What can AI do for fire detection and security – opportunities/benefits (15'):
N.N., xyz (4-6 presentations)

Objective: Show examples how AI can support or optimise fire detection and security in the area of solutions and solutions with future applications, technologies and research.

- 1 presentation: AI and Fire Safety Engineering (Prof. Guillermo Rein / Imperial College London)
- 2 presentation: AI and private living (ForeSight; DFKI → FES)
- 3 presentation: AI and fire fighting intervention (N.N. →LR)
- 4 presentation: AI and false alarms (N.N.) →

Session 3: How to manage the consequences of AI – risks/consequences (15'):
N.N., xyz (2-4 presentations)

Objective: Review 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.

- 1 presentation: xyz (N.N. →)
- 2 presentation: Orgalim (AI expert group Pierre Lucas → PM)
- 3 presentation: Code of conduct (N.N. →LR)