

SUPDET 2017

A U B E ' 1 7

Technical Program Committee

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Ingolf Willms, University of Duisburg-Essen, Germany

Venue

College Park Marriott Hotel & Conference Center
3501 University Blvd., East Hyattsville, MD 20783
Maryland, USA



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Conference Co-Chairs

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16th International Conference on Automatic Fire Detection & Suppression, Detection and Signaling Research and Applications Conference SUPDET 2017

CALL FOR PAPERS



The Department of Communication Systems NTS at the University of Duisburg-Essen, Germany, is pleased to announce that the '16th International Conference on Automatic Fire Detection' (AUBE '17) will be held on September 12-14, 2017 in co-operation with the NFPA Fire Protection Research Foundation, Quincy, MA, USA and will address the latest developments in research, technology, and applications for the fire protection community.

The upcoming AUBE '17 combines two conferences: the SUPDET and the AUBE. In this way, the tradition of international conferences concerning the subjects automatic fire detection, suppression and signaling research is continued.

Interested presenters are asked to submit **an extended abstract (2- 3 pages)** by email not later than **December 31, 2016** to aube@uni-due.de.

Submitted abstracts must include the full title, and name(s), affiliation(s), address(es), telephone number(s), and email address(es) of the author(s), with the presenter identified (underlined).

Abstracts must be original work and will be accepted on the basis of their quality and originality in the field of automatic fire detection, security systems and their applications. Abstracts should be absent of commercial overtones, be based on good science, present objective and credible results, and be without inherent bias. Abstracts that do not meet these criteria will not be accepted.

Papers are sought on new developments with a focus on the following topics. Case studies are always welcome:

Suppression

- **Advancements in protection of high hazard commodities**
- **Developments to address environmental factors**
- **Special suppression applications/case studies**
- **Advancements with gaseous and clean agents**
- **Wildfire applications**
- **New suppression technology**
- **Reliability and maintenance of systems**
- **Regulations and their impact**
- **Modeling and computer simulation**
- **Electrical energy storage: lithium ion batteries**
- **Improving effectiveness and efficiency of systems**

Detection and Signaling

- **Multiple sensor & multiple criteria based fire detection: Design, technical set-up and testing**
- **Toxic gases and gas detection**
- **Smoke aerosol characterisation**
- **Detection by radiated emission**
- **Flame detection, video-detection and image processing**
- **Fire detection in aircraft**
- **Special applications: Detection in cable traces, clean rooms, tunnels, trains and ships, power plants, photovoltaic systems, wind turbines, aspiration systems**
- **Electrical energy storage: Lithium ion batteries**
- **Forest and wildland fires**
- **Wildfire fighting**
- **Advancements in detection and signaling technology**
- **Domestic fire detection / Home smoke alarm applications**
- **Development in emergency notifications**
- **Integrated systems and smart buildings**
- **Integrated danger detection, building management**
- **Smart firefighting**
- **Improving effectiveness of systems**
- **Fire detection algorithms: Theory, design and testing**
- **Modeling and computer simulation in fire protection**
- **Testing procedures in fire protection**
- **Electromagnetic compatibility**
- **Wireless detection & alarm systems**
- **Robots in fire protection**
- **International situation and future aspects concerning standards, testing methods and certification**
- **Regulations and their impact on fire protection**
- **Reliability, availability, service & remote maintenance**

Abstracts will be reviewed by the program committee. The organizing committee will notify the authors of acceptance by February 15, 2017.

If selected, presenters will be asked to submit a full paper, 5 - 8 pages, for publication in the conference proceedings. On acceptance, full papers in English will be required by **May 8th, 2017**. The oral presentations in English should not exceed 20 minutes.

The conference will be complemented by a **table-top and poster exhibit**. Companies interested in demonstrating their products at this conference should contact the conference organisation in Duisburg or Quincy before August 1st, 2017.

AUBE '17 & SUPDET 2017 Conference Timeline

Submission deadline for abstracts	December 31, 2016
Notification of acceptance	February 15, 2017
Submission deadline for full papers	May 8, 2017

Deadline for early registration	June 1, 2017
Deadline for hotel reservation	August 15, 2017
Final deadline for the exhibition	August 1, 2017

Additional Information

If you would like more information on the arrangements for the upcoming conference, please visit (nts.uni-due.de) or contact the local organizers at aube@uni-due.de.