



The 39<sup>th</sup> ESARDA Annual Meeting will be a symposium on Safeguards and Nuclear Non-Proliferation, held at the Meliá Hotel Düsseldorf, Germany, from 16 - 18 May 2017. The Symposium will be preceded by meetings of the ESARDA Working Groups and Committees at Forschungszentrum Jülich on 15 May 2017.

The symposium will be an opportunity for researchers, regulators and nuclear facility operators to exchange information on new aspects of international safeguards and non-proliferation, as well as recent developments in nuclear safeguards and non-proliferation related research activities and their implications for the safeguards community.

## Important Dates

20 Dec 2016	Abstract submission deadline
31 Jan 2017	Notification of acceptance
31 Jan 2017	Registration opens
15 Feb 2017	Preliminary programme
1 Apr 2017	Early bird registration deadline
1 May 2017	Paper submission deadline

Created in 1969, ESARDA is a network of organisations including national regulatory authorities, nuclear facilities operators, as well as research institutions and universities, aiming to bring together the international nuclear safeguards community. Its main goals are research collaboration, exchange of information and joint execution of R&D programmes.

# Call for Papers



ESARDA Symposium 2017 | 39<sup>th</sup> Annual Meeting | 15-18 May 2017 | Jülich/Düsseldorf (DE)

# Symposium Topics

Contributions may cover, but are not necessarily limited to, the following topics. Presentations with original content are strongly encouraged.

## Safeguards Concepts and Implementation

### EURATOM and IAEA safeguards

- Euratom system: beyond State level approach (European Union level approach)
- Safeguards concepts (policies, perspectives, limitations, strengthened and integrated safeguards, State and regional systems, quality assurance approach)
- Experience in the implementation of strengthened safeguards systems and integrated safeguards
- Plant-specific experience on techniques, inspections and operations

### Concepts, methods and techniques for safeguarding new facility types

- Proliferation resistance and safeguards by design
- Encapsulation and final repositories: concepts and technologies

### Emerging non-proliferation and nuclear security issues

- Fissile Material Cut-off Treaty
- Comprehensive Test Ban Treaty
- Disarmament verification
- Arms control
- Excess materials
- Sub/cross-national security threats

## Control Measures

### Nuclear safeguards, safety and security

#### Export control of dual use goods

- Export control, trade analysis and related activities

### Nuclear security and border monitoring

- Illicit trafficking and border controls

## Technologies

### Measurement techniques and standards

- Non-destructive assay
- Destructive assay
- Environmental sampling
- Nuclear forensics

### Containment and surveillance

- Containment and surveillance methods and techniques
- Interface between safeguards and physical protection methods

### Integrated measurement and monitoring

- Integrated measurement and monitoring systems
- Secure data transmission

### Novel approaches and synergies with other verification regimes

- Radiological, chemical, biological, dual use items
- Novel technologies, novel approaches

## Safeguards-Relevant Information

### Materials control and accounting, auditing and information systems

### Safeguards-relevant information collection and management

- Information management for nuclear safeguards and non-proliferation
- Data and information evaluation methodology
- Remote monitoring/satellite imagery

## Human Factors

### Knowledge management, education and training

- Human resources and knowledge management issues including public information



## Abstract submission

By sending an abstract, the authors confirm having their organisation's approval for public release and agree to submit a paper suitable for inclusion in the symposium's proceedings and to present that paper at the symposium. Authors are requested to respect the deadline to give the Symposium Committee sufficient time to review all abstracts and to compose the Symposium programme.

To submit your abstract(s):

1. Enter the Symposium Website and link to EasyChair, or go directly to EasyChair.
2. Login to EasyChair (requires registration).
3. Insert the abstract text into the field provided by EasyChair, including topic and keywords in the required field. Please do not attach any documents to the form.

The abstracts must be written in English and have the following format:

- title, author(s), affiliation;
- a maximum length of 300 words;
- a maximum of 5 keywords related to the topic(s) of their paper

The author(s) may already indicate whether they would like to present their contribution orally and/or as a poster. The Symposium Committee will decide on the acceptance of contributions as oral or poster presentation.

The authors of the accepted abstracts will have to electronically submit their papers following the ESARDA website's instructions. It is essential that papers are submitted by 1 May 2017. Late papers will not be included in the programme or proceedings. Failure to submit a paper by the deadline will be taken into account when assigning priority to any submissions to future ESARDA symposia.

The proceedings will be published after the meeting and be available for download from [www.esarda.eu](http://www.esarda.eu).

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# General Information

## Venues

- 15 May 2017      Forschungszentrum Jülich GmbH  
Wilhelm-Johnen-Straße, 52428 Jülich
- 16-18 May 2017      Meliá Düsseldorf  
Inselstraße 2, 40479 Düsseldorf

## Social events

- 15 May 2017      Reception at a traditional “Altbier“ brewery in Düsseldorf
- 17 May 2017      Dinner cruise on the Rhine River

## Registration

All meeting attendees of the ESARDA Symposium are required to pay the registration fee. The registration fee provides full participation in the conference including registration and conference materials, proceedings, morning/afternoon coffee breaks and lunch Monday through Thursday, social events on Monday and Wednesday evening, bus transfer to/from Jülich on Monday.

**560 €** Early registration fees, 31 January - 1 April 2017

**660 €** Registration fees after 1 April 2017



**Symposium Chair:**

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