



29th EUROPEAN SYMPOSIUM ON RELIABILITY OF ELECTRON DEVICES, FAILURE PHYSICS AND ANALYSIS

ESREF 2018 - AALBORG, DENMARK

October 1 – 5, 2018

Aalborg, Denmark

<http://www.esref2018conf.org>

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Submission
Deadline
extended

CALL FOR PAPERS

ESREF 2018, the 29th European Symposium on Reliability of Electron Devices, Failure Physics and Analysis will take place in Aalborg, Denmark from October 1 to 5, 2018.

This international symposium will continue its almost 30-year history of focusing on the latest research developments and future directions in failure analysis, quality and reliability of materials, devices and circuits for micro-, opto-, power and space electronics. It historically provides an unpaired European forum to develop all aspects of reliability, including management and advanced analysis techniques for present and emerging semiconductor applications. All aspects related to specification, technology and manufacturing, testing, control and analysis are addressed in ESREF.

A word from the general chairs

This edition will be a very special one, for a couple of reasons.

First, in 2018 ESREF will celebrate its return to Denmark after 20 years. It will be a unique opportunity to renew, enforce and establish networks and links between Scandinavia and rest of the world.

Second, Denmark universities and industries strive since 40 years at improving efficiency, cost and, particularly, reliability of renewable energy plants, like photovoltaic and wind turbines, with a very tight roadmap at country level towards the very ambitious goal to go 100% green in the next three decades.

We look forward to welcoming you in Aalborg!

Francesco Iannuzzo, Frede Blaabjerg

ESREF 2018 General Chair, ESREF 2018 vice Chair

TRACKS

- Quality and Reliability Assessment Techniques and Methods for Devices and Systems
- Si-Technologies & Nanoelectronics: Hot Carriers, high-K, Gate Materials, Low-K, Cu Interconnects, ESD, EMI and Latch-up
- Progress in Failure Analysis: Defect Detection and Analysis
- Reliability of Microwave and Compound

- Semiconductors Devices
- Power Devices Reliability: Silicon, Wide Bandgap Devices and Passives
- Packaging and Assembly Reliability
- MEMS, Sensors and Organic Electronics Reliability
- Photonics Reliability
- Extreme Environments and Radiation
- Renewable Energies Reliability
- Modeling for Reliability
- **Special Session:** Reliability in Traction Applications

SUBMISSION GUIDELINES

Submitted four-page extended summaries should be written in English and include a front page with title, authors, affiliations, a 200-word abstract, and the corresponding author complete address and e-mail, along with the preference for oral or poster presentation. A template can be found on the ESREF2018 website.

Submission procedure:

<http://www.esref2018conf.org> → Paper Submission

(The system redirects to EasyChair submission system)

All the accepted oral and poster papers will be published on a special issue of Microelectronics Reliability journal (5-year impact factor: 1.623)

Info: <https://www.journals.elsevier.com/>

[microelectronics-reliability](https://www.journals.elsevier.com/microelectronics-reliability)

KEY DEADLINES

Submission of abstracts: ~~March 12~~, March 23, 2018

Notification of acceptance: May 2, 2018

Submission of extended paper: May 21, 2018

Registration of accepted papers: May 31, 2018

EXHIBITION

A special welcome to companies in Aalborg, the capital of North Jutland region. This edition of ESREF will be a

unique one, in particular for exhibitors. In fact, more than 400 participants are expected from all over the world, almost half of them from companies or private research institutions, and the rest from academia. On top of it, exhibitors will be able to invite external visitors to the stands and offer them coffee. Thirty booths are available on a first-come-first-served principle. You are most welcome to ask for specific requests, such as two or three adjacent booths, or special facilities.

SPONSORSHIP

The sponsorship opportunities deserve also a strong mention. There are four levels of sponsorships, namely Bronze, Silver, Gold and Platinum, at increasing levels of impact. Complimentary coffee breaks, advertisement sessions and prizes are available for sponsors, as well as banners and logos, which will be placed in the most visible areas and in all official documents, including the conference app.

APP

Participants will enjoy the ESREF2018 app, where all exhibitors will be listed with their logos, summary and contact reference. The app will be made available on both Google Play store and Apple app store, and will include also networking and chat opportunities. Do not hesitate to ask us about special advertisement requests.

VENUE

ESREF 2018 will be hosted in AKKC – the Aalborg Conference and Culture Centre – the largest conference center of north Jutland, with a capacity of 3,000 people and 7,000-square meter exhibition.

AKKC is located at walk distance from Aalborg central station and 20-minute drive from the airport, with direct buses all the day and a very convenient taxi service.

TRANSPORTATION

Aalborg airport has plenty of daily flight from and to Amsterdam and Copenhagen, where international and intercontinental connections are available.

Participants can also enjoy a train trip from Copenhagen airport to Aalborg through the amazing islands of Zealand and Funen, and the green hills of Jutland. Info: <http://www.dsb.dk/en>

ACCOMMODATION

More than 4,000 rooms are available at 15-minute walk distance from the conference venue. Both cheap and comfortable accommodation opportunities will be provided to ESREF2018 attendees.

Organized by CORPE – Center of Reliable Power Electronics – Aalborg University

<http://www.et.aau.dk> – <http://www.corpe.et.aau.dk>

In collaboration with VisitAalborg

<http://www.visitaalborg.com/In-int/aalborg/tourist>

AALBORG CITY

Aalborg is the vibrant capital of the North Jutland region, a very active industrial area, and it is the third largest city of Denmark, with a long history beginning in middle ages, and followed by the Vikings' era. The city extends on both shores of the wonderful Limfjord with a spectacular bridge in between and a touristic and commercial harbor located in the city center. You will sure enjoy the characteristic pedestrian paths down town leading to churches and astonishing courtyards, together with the spectacular Danish cuisine, based on meat and fish of outstanding quality accompanied with tens of different breads and traditional cakes.

ORGANIZATION COMMITTEE

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Webmaster • App • Publicity

L. CECCARELLI • R. E. STROE • R. SANCHEZ

CONTACTS

Local Organizing

Committee

info@esref2018conf.org

Technical Program Chairs

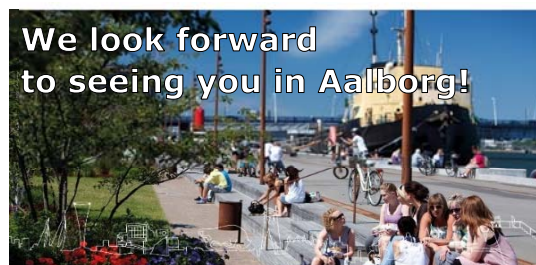
tpc@esref2018conf.org

Exhibition secretariat

expo@esref2018conf.org

Sponsorship secretariat

sponsor@esref2018conf.org



DEPARTMENT OF ENERGY TECHNOLOGY
AALBORG UNIVERSITY

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