



33rd European Symposium on Reliability of Electron Devices Failure Physics and Analysis (ESREF 2022)

September 26–29, 2022
Berlin, H4 Hotel Berlin Alexanderplatz

+++ SAVE THE DATE +++ SAVE THE +++ SAVE THE

Save
the Date



ESREF 2022, the 33rd European Symposium on Reliability of Electron Devices, Failure Physics and Analysis, will take place in Berlin (Germany) from 26th to 29th September 2022 at the H4 Hotel Berlin Alexanderplatz.

This international symposium continues to focus on recent developments and future perspectives in Quality and Reliability Management of materials, devices and circuits for micro-, nano-, and optoelectronics. It provides a European forum for developing all aspects of reliability management and innovative analysis techniques for present and future electronic applications.

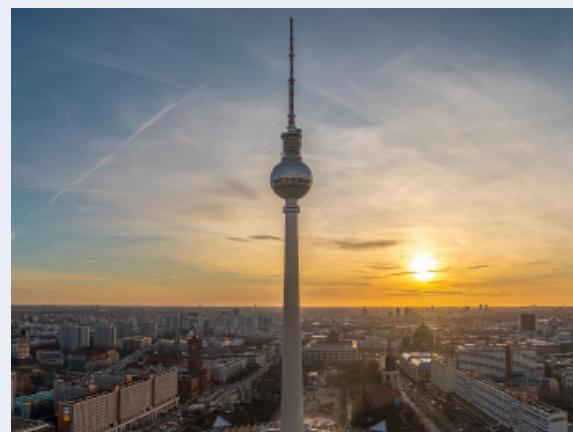
A WORD FROM THE CONFERENCE CHAIRS

We are delighted to host the ESREF 2022 in Berlin. After a long period of online events and social distancing we are in good hope that this event will enable us to meet in person to exchange and promote ideas that make electronics last. This is an important contribution to our society, because an increased lifetime will help to reduce CO₂-emissions in electronics production and recycling. But reliability also enables electronics to be used in new applications in extremely harsh environments like space, transport, energy conversion and smart functions. Also this will help us to address main future societal challenges. A special emphasis will be given on networking: The conference will be the ideal place to establish, renew and enforce networks between scientists and engineers from all over the world.

Martin Schneider-Ramelow,
Andreas Middendorf, Olaf Wittler
ESREF 2022 General Chair,
ESREF 2022 Co-Chairs

SCOPE OF THE CONFERENCE

- Automotive electronics reliability
- Reliability of nano- and microelectronic
- Reliability of power electronics for energy efficiency and industrial applications
- Reliability of photonics and MEMS
- Security and safety
- Innovative failure diagnostics and quality control
- Reliability concepts and modelling
- Reliability of wide-bandgap devices
- Advanced packaging and interconnections reliability for power devices
- Reliability for technology sovereignty
- Reliability for the connected world (Smart Sensors, Smart Grid, High Performance Computing and Wireless Applications)
- Extreme environments and radiation
- Reliability for green electronics
- AI based reliability assessment and condition monitoring





33rd European Symposium on Reliability of Electron Devices Failure Physics and Analysis (ESREF 2022)

September 26–29, 2022
Berlin, H4 Hotel Berlin Alexanderplatz

+++ SAVE THE DATE +++ SAVE THE +++ SAVE THE DATE +++

SUBMISSION GUIDELINES:

Please submit a 4-page extended summary through our online system that will be available in late October.

Submission procedure: www.esref2022.org

PAPER SUBMISSION

All the accepted oral and poster papers will be published on a special issue of Microelectronics Reliability journal (5-year impact factor: 1.589)

Info: <https://www.journals.elsevier.com/microelectronics-reliability>

KEY DEADLINES:

Submission for 4 page abstract:

March 11, 2022

Notification of acceptance:

May 2, 2022

Final paper (5-6 pages) for review (Elsevier Editorial System):

May 19, 2022

Final upload to the journal (Elsevier Editorial System):

June 9, 2022

EXHIBITION:

As an exhibitor, you will have the unique opportunity to market your products and services to a captive audience of buyers, designers and influencing researchers. Exhibit hours have been arranged to give exhibitors maximum exposure. Social functions have been planned in the exhibit area so that delegates meet on both a social and business level. Approx. 16 booths are available on a first-come-first-serve principle. You are most welcome to ask for specific requests. Details and contact data can be found on the website: www.esref2022.org

SPONSORSHIP:

A sponsorship of ESREF 2022 offers companies and organizations an excellent opportunity to achieve visibility in the important topic of electronic devices. The event provides a platform to present your international projects and for interaction with customers and interested parties from all over the world. There are three levels of sponsorships, namely Silver, Gold and Platinum, at increasing levels of impact. Details and contact data can be found on the website: www.esref2022.org

VENUE:

ESREF 2022 will be hosted in the conference center of the H4 Hotel in Berlin Alexanderplatz. It is located directly near the historic city center at a walking distance. The location offers a multitude of different travel options and different hotels at different budget levels are available on site (H4 and H2 Hotel) and others can be found at a walking distance.

ORGANISATION COMMITTEE

Conference Chair:

Martin Schneider-Ramelow, Fraunhofer IZM / TU Berlin

Conference Co-Chair:

Olaf Wittler, Fraunhofer IZM Berlin (D)
Andreas Middendorf, Fraunhofer IZM, Berlin (D)

Technical Program Chairs:

Olaf Wittler, Fraunhofer IZM Berlin (D)
Frank Altmann, Fraunhofer IMWS Halle (D)
Matteo Meneghini, University of Padova (I)
Francesco Iannuzzo, University of Aalborg (DK)

Tutorial Chair:

Gudrun Feix, ECPE, Nürnberg (D)

Local Organisation Chair:

Stefan Ast, Fraunhofer IZM, Berlin

Conference Office/Website:

mcc Agentur für Kommunikation GmbH, Berlin

