

CALL FOR PAPERS

IEEE INTERNATIONAL INTEGRATED RELIABILITY WORKSHOP

IIRW

IEEE

INTERNATIONAL INTEGRATED
RELIABILITY WORKSHOP

October 7-11, 2018

**Stanford Sierra
Conference Center
Fallen Leaf Lake,
CA, USA**

Abstract Deadline
July 16, 2018

Late News Deadline
September 20, 2018

General Chair:
Luca Larcher
U. Modena, Italy

TPC Chair:
Zakariae Chbili
Globalfoundries, USA

www.iirw.org

The **IEEE International Integrated Reliability Workshop (IIRW)** focuses on ensuring electronic device reliability through fabrication, design, testing, characterization, and simulation, as well as identification of the defects and physical mechanisms responsible for reliability problems.

IIRW 2018^{new}

- Reliability Experts Forum: 1-day long discussion among the top reliability experts to discuss the current understanding and challenges in Front End Reliability physics. 3 Panel discussions: BTI, HCI, TDDB.
- Best student Paper award
- Top 5 papers will be published in IEEE TDMR

Outstanding features of the IIRW are

- Strong plenary, invited, and tutorial presentations
- Strong technical program (platform and posters)
- Unparalleled opportunities to meet world-leading experts
- Discussion and special interest groups
- Unique rustic and secluded environment

IIRW 2018 invites abstracts related to the reliability of

- Gate/Interconnect dielectrics (high-k, SiO₂, SiON, low-k)
- Conventional and emerging memory devices (RRAM, etc.)
- FinFET, SOI, FDSOI, non-CMOS (III-V), and novel devices
- Power and widebandgap (SiC, GaN, etc.) device reliability.
- Transistor reliability (hot carriers, NBTI/PBTI, TDDB)
- Modeling and simulation of reliability issues
- Impact of transistor degradation on circuit reliability
- Design-in reliability (products, circuits, systems, processes)
- Customer/manufacturer product reliability requirements
- Wafer level reliability tests

Two page abstract with representative data and figures should state clearly the results of your work and why they are significant.

For more information please visit www.iirw.org, or contact the technical program chair:

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