



CALL FOR PAPERS

ROCS Workshop

Reliability Of Compound Semiconductors

Monday May 9, 2022

Preceding the International Compound Semiconductor MANufacturing TECHNOlogy Conference

Venue: **Monterey Marriott**
Monterey, CALIFORNIA 93940 Tel. +1 (855) 516-1090

SPONSORED BY JEDEC COMMITTEE JC-14.7

The 36th annual **Reliability Of Compound Semiconductors Workshop** will be held one day before the Compound Semiconductor MANufacturing TECHNOlogy Conference with the objective of bringing together researchers, manufacturers, & users of compound devices. Papers presenting the latest results and new developments in **all phases of Compound Semiconductor Reliability** are solicited. Original papers discussing work-in-progress and emerging device technologies are acceptable and encouraged. Topics of interest include:

| | | |
|------------------------------|-----------------------|----------------------------|
| Failure Mechanisms | Circuit Reliability | Reliability Modeling |
| Metallization Studies | Cost of Reliability | Thermal Analysis |
| Electromigration | Quality Assurance | Accelerated Testing |
| Materials Defects | Reliability Standards | Radiation Effects |
| Drift, Backgating | Ionic Migration | Novel Device Problems |
| ESD/EOS/Pulse Burnout | Hot Electron Effects | Environmental Effects |
| GaN Power Conversion Devices | RF GaN | Wide Bandgap Power Devices |
| All Compound Semiconductors | Compounds for 5G | Heterogenous Integration |

PAPER SUBMISSION: Authors are asked to submit electronic copies of a one or two page comprehensive summary suitable for a 15 minute presentation. The summary must clearly state: **(1) the purpose of the work and what problems or questions it addressed, (2) the results or conclusions of the work, and (3) how the work advances the knowledge of Compound Semiconductor Reliability.**

The authors' name, affiliation, complete address, telephone number, and E-mail must appear on the summary. Authors are responsible for obtaining all required company and government clearances prior to submission of the summary. Summaries must be emailed to rocs@jedec.org by **February 7, 2022**. Acceptance notices will be sent out by March 14, 2022. Upon acceptance, authors will be asked to submit one camera-ready original of the full final paper, slides, and a copyright release by April 4, 2022 for publication and distribution to the attendees at the workshop. All submittals become the property of the **ROCS Workshop**, and will not be returned.

SUMMARIES MUST BE SUBMITTED BY February 7, 2022

ADVANCE REGISTRATION IS REQUIRED TO ASSURE PARTICIPATION IN THE LUNCHEON

Save money and pre-register, please check our website for the latest registration details.
the **ROCS Workshop** and the **MANTECH Workshops** are separate events with separate registrations

Visit our **ROCS Website** at . . . <https://www.jedec.org/events-meetings/rocs-workshop>

Get on the **ROCS mailing list** . . . <https://www.jedec.org/events-meetings/rocs-workshop-interest-list>

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GET INFORMED ABOUT ROCS . . . <https://www.jedec.org/events-meetings/rocs-workshop-interest-list>

2022 ROCS Workshop

Monday, May 9, 2022 - Monterey, California

To submit a paper

Send Summaries, by February 7, 2022 to: rocs@jedec.org

electronic submittal is required, PDF files are okay, or use Microsoft Word as a default

ROCS Workshop Committee Members:

WORKSHOP CHAIRMAN

Randy Lewis

Northrop Grumman Corp.

TECHNICAL PROGRAM Co-CHAIRMAN

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AFRL

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Qorvo

ADVANCE REGISTRATION MUST BE ENTERED ON-LINE BY APRIL 25, 2022

Please Note: the ROCS Workshop and the MANTeCH Workshops are separate events

Registration for the 2022 ROCS Workshop includes:

Full Day of Compound Semiconductor Reliability Presentations

A Soft Copy of the Presented Papers

Luncheon and 2 Breaks

Advance Registration = TBD (~\$225 on-line)

On-site Registration = TBD (~\$275 at the door)

Special (Advance Only) Registration Fee for JEDEC Members.

Special Advance Registration Fee for Students (Presenting Student Authors get in Free, by Advance Registration Only).

At-the-door registration, as available, will be at Monterey on May 9th from 7:30-8:30AM

ROCS Workshop registration only through JEDEC or at the door, NOT possible through MANTeCH.

For further information, contact:

Randy Lewis

Northrop Grumman Corp.

Workshop Chairman

E-mail = rocs@jedec.org

