



CALL FOR PAPERS ROCS Workshop

Reliability Of Compound Semiconductors

Monday May 19, 2025

International Conference on Compound Semiconductor MANufacturing TEChnology

Venue: **Hilton New Orleans Riverside**

New Orleans, Louisiana

Tel. +1 (504) 561-0500

The 39th annual **Reliability Of Compound Semiconductors Workshop** will be held on the first day of the International Conference on Compound Semiconductor MANufacturing TEChnology 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
Metallization Studies
Electromigration
Materials Defects
Drift, Backgating
ESD/EOS/Pulse Burnout
GaN Power Conversion Devices
All Compound Semiconductors
Ultrawide Bandgap Technologies

Circuit Reliability
Cost of Reliability
Quality Assurance
Reliability Standards
Ionic Migration
Hot Electron Effects
RF GaN
Compounds for 5G

Reliability Modeling
Thermal Analysis
Accelerated Testing
Radiation Effects
Novel Device Problems
Environmental Effects
Wide Bandgap Power Devices
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@csmantech.org by **February 24, 2025**. Acceptance notices will be sent out by March 10, 2025. Upon acceptance, authors will be asked to submit one camera-ready original of the full final paper, slides, and a copyright release by April 7, 2025 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 24, 2025

ADVANCE REGISTRATION IS REQUIRED TO ASSURE PARTICIPATION IN THE LUNCHEON

Save money and pre-register, please check the conference website for the latest registration details.

The ROCS Workshop is now directly affiliated with CS MANTECH!

Visit the CS MANTECH Website for Information . . . <https://csmantech.org>

2025 ROCS Workshop

Monday, May 19, 2025 – New Orleans, Louisiana

To submit a paper

Send Summaries, by February 24, 2025 to: rocs@csmantech.org

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

ROCS Workshop Committee Members:

WORKSHOP CHAIR

Peter Ersland

MACOM Technology Solutions

TECHNICAL PROGRAM CO-CHAIRS

Justin Parke

Northrop Grumman Corporation

Nathan Grant

KBR

MEMBERS AT LARGE

Martin Kuball

University of Bristol

Randy Lewis

Northrop Grumman Corporation

Brian Poling

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Masaya Iwamoto

Keysight

Gergana Drandova

Qorvo

Michael Langlois

Northrop Grumman Corporation

Clemens Ostermaier

Infineon

Holly Burton

BAH

Rob Strittmatter

EPC

ADVANCE REGISTRATION MUST BE COMPLETED ON-LINE BY APRIL 25, 2025

Registration for the 2025 ROCS Workshop includes:

Full Day of Compound Semiconductor Reliability Presentations

A Soft Copy of the Presented Papers Luncheon and 2 Breaks*

Advance Registration = \$290

On-site Registration = \$390

At-the-door registration will be available during regular conference hours.

For further information, contact:

Peter Ersland

MACOM Technology Solutions

Workshop Chairman

E-mail = rocs@csmantech.org

