



CALL FOR PAPERS **ROCS Workshop**

Reliability Of Compound Semiconductors

Monday May 15, 2022

International Conference on Compound Semiconductor MANufacturing TECHNOlogy

Venue: **Hyatt Regency Grand Cypress**

Orlando, FLORIDA 32836 Tel. +1 (407) 239-1234

The 37th 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

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 10, 2023**. Acceptance notices will be sent out by March 17, 2023. Upon acceptance, authors will be asked to submit one camera-ready original of the full final paper, slides, and a copyright release by April 14, 2023 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 10, 2023

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>

2023 ROCS Workshop

Monday, May 15, 2022 - Orlando, Florida

To submit a paper

Send Summaries, by February 10, 2023 to: rocs@csmantech.org

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

ROCS Workshop Committee Members:

WORKSHOP CHAIRMAN

Brian Poling
AFRL

TECHNICAL PROGRAM CHAIRMAN

Jeff Cotton
Accel-RF

MEMBERS AT LARGE

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University of Bristol

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Clemens Ostermaier
Infineon

Satyaki Ganguly
Wolfspeed, A Cree Company

Vamsi Putcha
Ampleon

Purushothaman "SP" Srinivasan
GlobalFoundries

Rob Strittmatter
EPC

Justin Parke
Northrop Grumman Corporation

ADVANCE REGISTRATION MUST BE COMPLETED ON-LINE BY APRIL 24, 2023

Registration for the 2023 ROCS Workshop includes:

Full Day of Compound Semiconductor Reliability Presentations
*A Soft Copy of the Presented Papers * Luncheon and 2 Breaks*

Advance Registration = \$240

On-site Registration = \$340

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

For further information, contact:

Brian Poling
AFRL
Workshop Chairman

E-mail = rocs@csmantech.org

