



CALL FOR PAPERS

ROCS Workshop

Reliability Of Compound Semiconductors

Monday April 29, 2019

Preceding the International Compound Semiconductor MANufacturing TECHNOlogy Conference

Venue: **Hyatt Regency Minneapolis**

1300 Nicollet Mall

Minneapolis, MN 55403 Tel. +1 (612) 370 1234

SPONSORED BY JEDEC (COMMITTEES JC-14.7 / JC- 70)

The 34th 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
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@jedec.org by **February 4, 2019**. Acceptance notices will be sent out by March 11, 2019. Upon acceptance, authors will be asked to submit one camera-ready original of an extended summary, slides, and a copyright release by April 1, 2019 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 4, 2019

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... <http://www.jedec.org/home/gaas/>

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2019 ROCS Workshop

Monday, April 29, 2019 - Minneapolis, Minnesota

To submit a paper

Send Summaries, by February 4, 2019 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

Don Gajewski

Wolfspeed, A Cree Company

TECHNICAL PROGRAM CO-CHAIRPERSONS

Randy Lewis

Northrop Grumman Corp.

Kevin Alt

Keysight Technologies

PUBLICITY

Bill Roesch

Qorvo

LOCAL ARRANGEMENTS

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Peter Ersland

MACOM Technology Solutions

Hajime Sasaki

Mitsubishi Electric

Kurt Smith

VisIC

Dave Via

AFRL

Shawn Burnham

HRL

ADVANCE REGISTRATION MUST BE ENTERED ON-LINE BY APRIL 15, 2019

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

Registration for the 2019 ROCS Workshop includes:

Full Day of Compound Semiconductor Reliability Presentations

A Soft Copy of the Presented Papers

Luncheon and 2 Breaks

Advance Registration = \$225 (on-line)

On-site Registration = \$275

Special (Advance Only) Registration Fee of \$200 for JEDEC Members.

Special \$100 Advance Registration Fee for Students (Presenting Student Authors get in Free, Advance Registration Only).

At-the-door registration, as available, will be at Minneapolis on April 29th from 7:30-8:30AM

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

For further information, contact:

Don Gajewski

Wolfspeed, a Cree Company

Workshop Chairman

E-mail = Don.Gajewski@wolfspeed.com

