

Burn-in & Test Strategies Workshop

March 4 - 7, 2018

Hilton Phoenix / Mesa Hotel Mesa, Arizona

Archive

COPYRIGHT NOTICE

The presentation(s)/poster(s) in this publication comprise the Proceedings of the 2018 BiTS Workshop. The content reflects the opinion of the authors and their respective companies. They are reproduced here as they were presented at the 2018 BiTS Workshop. This version of the presentation or poster may differ from the version that was distributed in hardcopy & softcopy form at the 2018 BiTS Workshop. The inclusion of the presentations/posters in this publication does not constitute an endorsement by BiTS Workshop or the workshop's sponsors.

There is NO copyright protection claimed on the presentation/poster content by BiTS Workshop. However, each presentation/poster is the work of the authors and their respective companies: as such, it is strongly encouraged that any use reflect proper acknowledgement to the appropriate source. Any questions regarding the use of any materials presented should be directed to the author(s) or their companies.

The BiTS logo and 'Burn-in & Test Strategies Workshop' are trademarks of BiTS Workshop. All rights reserved.

www.bitsworkshop.org



Proceedings

Summary

Learn...

- 2 Tutorials, Keynote, Distinguished Speaker, Life Cycle Panel
- 38 Papers and 24 Posters

> 950 PowerPoint slides

Explore...

- BiTS EXPO: 54

Share...

Meals, Networking, Social Event

What's NOW & NEXT in Test & Burn-in of Packaged ICs





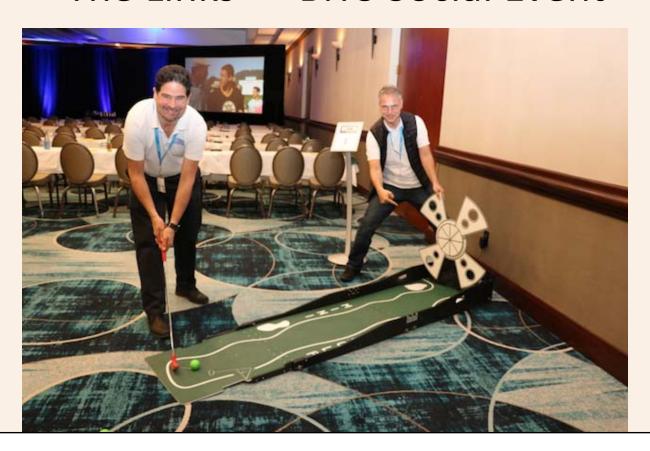














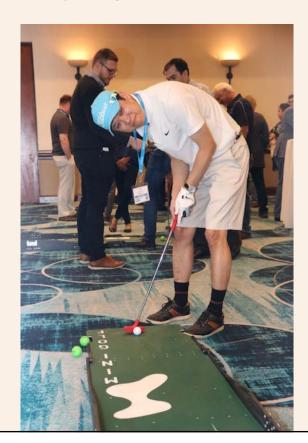






BiTS Golf Pro – AJ Park





BiTS Golf Pro – AJ Park





Proceedings

"Most Honest Team"



Cody Jacob - TTS
T. Yoshida - TTS
T. Itoi - TTS
Kazu Yasuda - Ferrotec



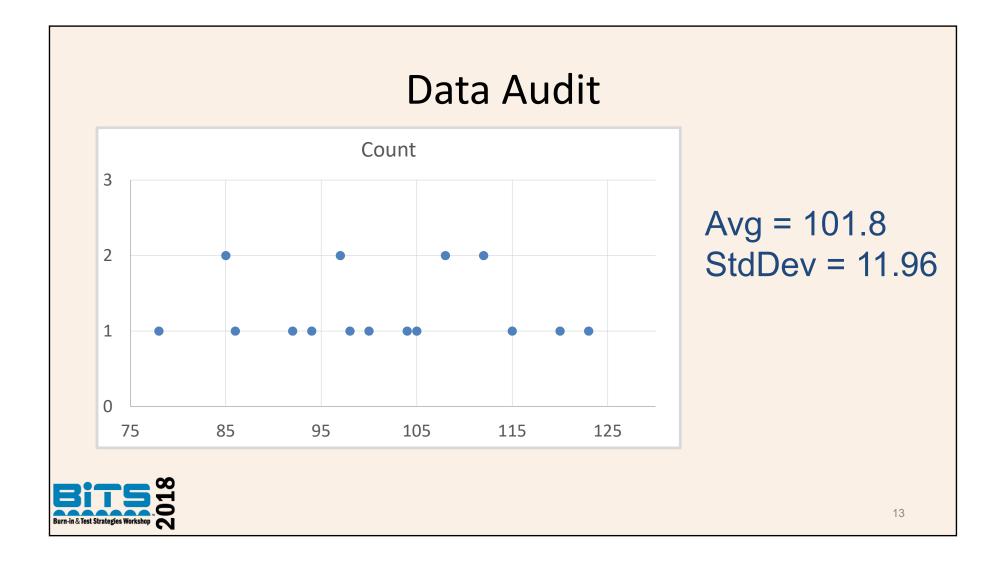
Proceedings

"Lowest Team Score"



Lin Fu – VLSI Research Mitch Brown - Micron Jerry Lobacz – Twin Solution Mike Xu – Twin Solution





Course Surveillance





Proceedings

"Lowert Ingenious, e"



Lin Fu – VLSI Research Mitch Brown - Micron Jerry Lobacz – Twin Solution Mike Xu – Twin Solution



Proceedings

Prize Winners



Viet Pham - Integra



Jim Brandes - Xcerra

Proceedings

Prize Winners







Joe Kuhn - Winway

17

Burn-in & Test Strategies Workshop ™

Thanks to our Networking Sponsor!







Proceedings

Have the LAST WORD!							
	Technical Program Exhibits Facilities Meals/Social Activities Registration Process OVERALL EVALUATION	Excellent	Good	Fair	Poor		
	Do You Want to Atten	D BITS 20	19?	Yes	No		
and on-line bitsworkshop.org/feedback Burn-in & Test Strategies Workshop and on-line							

Tell Us!

- In Person
- Via email

bitsinfo@bitsworkshop.org ira@bitsworkshop.org

On-line

bitsworkshop.org/feedback



Proceedings

bitsworkshop.org

Your Complete Source For Information About BiTS

Current Workshop

- Call For Papers
- EXPO & Sponsorships
- Advance/Final Program
- Registration Information & Forms; Register On-line
- Author Information
- Hotel Information/Travel

<u>Features</u>

- Committee Members
- Contact BiTS Add to Mailing
 List & Inquiries
- Links to Other Websites
- Archive of past BiTS

Plus Premium Archive...



Updated Shortly!

BiTS Premium Archive

- Multimedia
 - Audio with synchronized slides & pointer
 - BiTS 2014 2017 & BiTS China 2015 2017
 - BiTS 2018 posted shortly after BiTS
- Additional content
 - Tutorials
- Subscription Model
 - BiTS 2018 Professional Attendees Subscription for One Year
 - Subscriber Nominal Fee
 - Applied to BiTS 2019 Registration

bitsworkshop.org/premium



BiTS 2018 Early Bird Abstracts

Presenter	Company		
Yoinjun Shi	TwinSolution Technology		
Nadia Steckler	Xcerra		
Gert Hohenwarter	GateWave Northern		
Jun Lee Brosoto	Analog Devices		
Bernard Tam	Intel		
Horst Lewitschnig	Infineon Technologies		
Mike Gedeon	Materion		

Lead Poster Author	Company		
Dan Campion	Xcerra		
Bernard Tam	Intel Corporation		
Emad Al-Momani	Intel		
Chiu Oliver	Jthink Technology		



Proceedings

Call for BiTS 2019

March 3-6, 2019 ◆ Mesa, Arizona

Presentations • Posters • Tutorial

Share your latest work and advancements as an **AUTHOR!** Your presentation or poster will be part of a stimulating and comprehensive program. Explore a demanding topic as a **TUTORIAL INSTRUCTOR**. Share your expertise with participants eager to build their leading edge skills. Presentation, Poster & Tutorial proposals addressing a broad range of burn-in and test subjects are welcome, including, but not limited to:

- Socketing/Contacting of Contemporary and Advanced Packaging Technologies
- PCBs, Materials, Handlers, Contact
- Technologies, Burn-in Tooling
- Modeling, Characterization & Analysis
- Process & Operational Challenges
- WLCSP Test for KGD or Final Test
- MEMS and Non-Electrical Stimuli Test

BiTS EXPO 2019 & Sponsors

The EVENT for exhibiting your company's products & services. Showcase and promote what is **Now & Next!**

Don't miss out! See the registration desk to sign up now at the early-bird discount rate. **BiTS EXPO** is sure to sell out!

For more information about BiTS 2019 please contact the BITS Office bitsinfo@bitsworkshop.org

Have the **LAST WORD!**

Tell us what you liked and what you disliked:

bitsworkshop.org/feedback



With Thanks to Our Sponsors!

Premier



Emeritus



Honored









Proceedings

With Thanks to Our Sponsors!

Distinguished





Industry Partners

Networking







<u>Keynote</u>







With Thanks to Our Sponsors!

Thumb drives & Lanyards



&D

Keycards

Notebooks



Tote bags





Proceedings



Proceedings

BiTS Workshop Committee

General Chair

Ira Feldman

Feldman Engineering Corp.

Registration

Paul Boyce, Chair Advantage Specialist

Susan Kinne BiTS Registration Office

Marketing

Debbora Ahlgren, Chair Rudolph Technologies

> John Hartstein Sensata

BiTS EXPO

Owen Prillaman, Chair TechConnect Sales and Distribution Inc.



Proceedings

BiTS Workshop Committee

Program

Ashok Kabadi, Co-Chair AK Technology (AKT) Leadership

Ironwood Electronics

Ila Pal, Co-Chair

Ayman Abdo Intel Jeff Roehr Consultant

Marc Möessinger

Advantest

Frederick Taber General Chair Emeritus Taber Consulting

Rahima Mohammed

Valts Treibergs

Multitest - Xcerra Corp.

Jason Mroczkowski *Xcerra Corp.*

Hongjun Yao Qualcomm

Mike Ramsey Plastronics



BiTS "Special" Award

For the Least Concealed Sales Pitch



(Almost)
Brilliant
Disguise

"Semi-retired" but always available...



Proceedings

BiTS Awards

- Best Presentation
- Best Data Presented
- Most Inspirational Presentation
- Most Educational Presentation
- Outstanding Poster
- Attendee Choice



Proceedings



Suzhou & Shenzhen week of August 27, 2018

(exact dates to be confirmed)





March 3 – 6, 2019 Hilton Phoenix / Mesa Hotel



Proceedings

Watch for BiTS Rebranding



Connecting electronic test professionals to solutions



Have the LAST WORD!							
	Technical Program Exhibits Facilities Meals/Social Activities Registration Process OVERALL EVALUATION	Excellent	Good	Fair	Poor		
	Do You Want to Atten	р В і ТЅ 20	19?	Yes	No		
and on-line bitsworkshop.org/feedback Burn-in & Test Strategies Workshop Burn-in & Test Strategies							

eProceedings

On your Yamaichi sponsored thumb drives and on-line at https://bitsworkshop.org/proceedings18.pdf password: quantum

And electronic version of the Workshop Guide & Exhibitor Directory https://bitsworkshop.org/guide18.pdf

