

Closing

Wednesday 3/12/14
Kiva Ballroom

CLOSING REMARKS & WRAP-UP

by

Fred Taber

General Chairman

BiTS Workshop

Closing remarks, awards, and wrap-up by the BiTS Workshop General Chairman, Fred Taber.

COPYRIGHT NOTICE

The paper(s) in this publication comprise the Proceedings of the 2014 BiTS Workshop. The content reflects the opinion of the authors and their respective companies. They are reproduced here as they were presented at the 2014 BiTS Workshop. This version of the papers may differ from the version that was distributed in hardcopy & softcopy form at the 2014 BiTS Workshop. The inclusion of the papers in this publication does not constitute an endorsement by BiTS Workshop, LLC or the workshop's sponsors.

There is NO copyright protection claimed on the presentation content by BiTS Workshop, LLC. (Occasionally a Tutorial and/or TechTalk may be copyrighted by the author). However, each presentation 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, LLC. All rights reserved.



March 9 - 12, 2014

WRAP-UP



SUMMARY

- Learn...
 - Tutorial, TechTalk, 3 Featured Speakers, BiTS Feud, 22 Papers, 6 Posters
PowerPoint pages: 688; Tutorial 77; TechTalk 100
- Explore...
 - BiTS EXPO: 51 Exhibitors (53 Booths)
- Share...
 - Meals, Networking, "Celebrando BiTS"

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



FIFTEENTH ANNUAL
BiTS
Burn-in & Test Strategies Workshop

SUMMARY



Lots of Fun

FIFTEENTH ANNUAL
BiTS
Burn-in & Test Strategies Workshop

SUMMARY



Many Friends



Technical Program

Learn...

Evaluation / Comments Forms

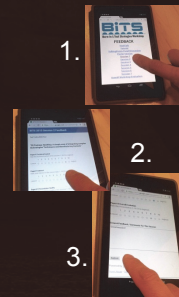
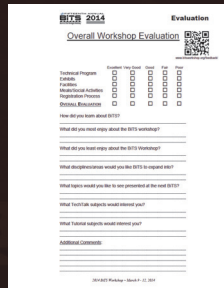
Hardcopy

&/or

Online

At Registration Desk

<http://www.bitsworkshop.org/feedback>



Main Menu

- 3 EASY Steps
1. Select Session
 2. Pick Category
 3. Choose Rating

Drop Off at the Registration Desk



BiTS Website

<http://www.bitsworkshop.org>

Your Complete Source For Information About BiTS

Coming Soon

M: Mailing
 W: Website

- W • BiTS 2014 Archive (Starting Now)
- M/W • BiTS 2015 Call For Presentations (by August 2014)

Don't wait!

Sign-up now to do a paper or poster!

abstracts2015@bitsworkshop.org

- M/W • BiTS 2015 EXPO (Early Bird Registration Opens Soon)
- M/W • BiTS 2015 Advance Program (Announced 12/2014)



Technical Program

Learn...

Early Bird Abstract Submission
 Raffle Prize Drawing Candidates & Winner

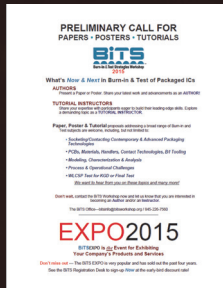
Authors	Company	Session
Ashok Kabadi	Intel Corporation	6
Billy Fenton	Accutron	7
Pat Mitchell	OLAS	
Kenji Ichihara, Masaru Sato, Noriyuki Matsuoka, Jec Sangalang	Yamaichi	3
Jerry J. Broz Ph.D., Soheil Khavandi, Bret Humphrey	International Test Solutions	1
Paul Ruo	Aries Electronics, Inc.	1
Erik Orwoll	NuSignal LLC	
Gert Hohenwarter	GateWave Northern, Inc.	5
Trent Johnson	Cleversafe	Poster
Jim Brandes	Multitest	2
Ichiro Fujishiro	Yamaichi	Poster
Jon Diller	IDI	2
Jon Diller, Kevin DeFord	IDI	1



Contribute to BiTS 2015
 Become an Author or Instructor

TechTalk Proposals


Tutorial Proposals



*** Abstracts for Papers & Posters ***

Contact: Mike Noel or Ira Feldman
 Or any committee member



Social Networking
Join the Burn-in & Test Socket
Workshop (BiTS) group on 



Save the Date

BiTS 2015
March 15 - 18, 2015
at the Hilton





AWARDS

- **Best Poster**
 - Jiachun (Frank) Zhou of IDI for “Micro Spring Performance – Impacts of Cycling, Temperature & Moisture”
- **Best Data Presented**
 - John Diller of IDI for “The Stuff We’re Made Of: An Examination of the State of the Art in Socket Materials”
- **Most Inspirational Paper**
 - Brent Edington of Triquint for “Yield and Test Time Improvement Via Automated Online Cleaning”
- **Best Presentation, Tutorial in Nature**
 - Michael J. Gedeon of Materion for “Rising to the Challenge: Material Evolution to Enable Reliable Performance at Tighter Pitches and Higher Temperature”



AWARDS

- **Attendee Choice**
 - Frank Schonig of Innovative Micro Design for “LIGA Precision Microfabrication for Electromechanical Applications”
- **Best Presentation / Paper**
 - Don Thompson of R&D Altanova for “A High Bandwidth Socket Solution for SERDES Applications on ATE Load Boards”
- **AND.....the Special Award.....**



Special Award

for the

Least Concealed Sales Pitch



*The
(Almost) Brilliant Disguise
Award*

No 'Without a Doubt' Candidates, so will remain semi-retired for 2014



Terrific Job! Committee

PROGRAM:

Mike Noel, Chair—Freescale

Ira Feldman—Feldman Eng. Corp.

Rafiq Hussain—Liberty Labs

Morten Jensen—Intel

Marc Moessinger—Advantest

John Moore—Texas Instruments

Ila Pal—Ironwood Electronics

LOCAL

ARRANGEMENTS:

Valts Treibergs, Chair—Multitest-LTXC

Owen Prillaman—TechConnect Sales & Distribution

MARKETING:

John Hartstein, Chair—Sensata

REGISTRATION:

Paul Boyce, Chair—Advantage Specialist



Sponsors

WITH SPECIAL THANKS TO OUR SPONSORS

Premier

tts
 innovate . collaborate . deliver

Honored

idi
 INTERCONNECT DEVICES

Qinex™
 QUALITY INTERCONNECTION EXPERTS
 From Sensata Technologies

Distinguished

Chip Scale
 REVIEW

R&D Altanova.

TwinSolution

Networking

Lanyards/Thumbdrives

YAMAICHI ELECTRONICS

FELDMAN ENGINEERING

PLASTRONICS
 SOCKETS & CONNECTORS

Key Card

R&D Altanova.



EXPO2014

Principal Sponsors

Atrium & Kachina

- | | | |
|-------------------------------|-------------------------------|---------------------------------|
| A01 R&D Altanova | A20 SV TCL – An SV Probe Co. | A39 MJC Electronics Corp. |
| A02 Sun Electric Heater | A21 Leeno Industrial, Inc. | A40 Smiths Connectors - IDI |
| A03 High Speed Interconnects | A22 Robson Technologies, Inc. | A41 Smiths Connectors - IDI |
| A04 J2M Test Solutions, Inc. | A23 Rika Denshi America, Inc. | A42 Transcend Technologies |
| A05 Micro Control Company | A24 CCT Plastics | A43 C Co., Ltd. |
| A06 E-tec Interconnect, Ltd. | A25 Aries Electronics, Inc. | A44 Amplas Tech Solutions, Inc. |
| A07 Chip Scale Review | A26 Incal Technology, Inc. | A45 Test Tooling Solutions Grp. |
| A08 Micro Contact Solution | A27 Phenolics, Inc. | A46 Phoenix Test Arrays |
| A09 CMR Summit Technologies | A28 Air Systems | A47 Yamaichi Electronics USA |
| A10 JF Microtechnology, Inc. | A29 3E Electronic Solutions | A48 Plastronics |
| A11 IWIN Co., Ltd. | A30 E. Jordan Brookes | A49 Materion Brush Perf. Alloys |
| A12 American Switch Products | A31 Titan Semiconductor Tool | A50 Ensinger, Inc. |
| A13 Exatron | A32 FastPrint Technology | A51 Qualmax Testech, Inc. |
| A14 Network PCB, Inc. | A33 Sensata Technologies | K01 HiCon |
| A16 Vermont Microdrilling | A35 Sensata Technologies | K03 Johnstech International |
| A17 WinWay Technology | A36 DuPont | K04 TSE Co., Ltd. |
| A18 Kita USA, Inc. | A37 MicroConnex | K06 Contech Solutions, Inc. |
| A19 SP Scientific FTS Systems | A38 Abrel Products, Ltd. | |

Thank You



Featured Speakers

THANK YOU

- Keynote** “Interconnectology - The Road to 3D”
Simon McElrea—Invensas Corporation
- Distinguished** “Package And Interconnect Trends”
Brandon Prior—Prismark Partners
- Invited** “Trends in Wafer Level Packaging: Thin is In!”
E. Jan Vardaman—TechSearch International



BiTS Feud “Socket Company Face-Off”

THANK YOU

Host: **Françoise von Trapp**

Teams:

Interconnect Devices, Inc.

Captain: Gabriel Guglielmi

Team: John Hartstein, Keith Callahan and Tom Sutton

Sensata Technologies

Captain: David Barnum

Team: Timothy Dowdle, Alvy Padiyil and Jon Diller



Instructors &
Authors

THANK YOU

Tutorial Instructor

Peter Ehlig
Texas Instruments

TechTalk Instructor

Jeffrey L. Roehr
Texas Instruments

Authors & Presenters
of
22 Papers 6 Posters



ATTENDEES
THANK YOU



Join Us for Our
16th Anniversary
BiTS 2015