

THIRTEENTH 13th ANNUAL

BiTS
TM

Burn-in & Test Strategies Workshop

March 4 - 7, 2012

Hilton Phoenix East / Mesa Hotel
Mesa, Arizona

WELCOME

Welcome

to

The World's Premier Event for What's Now & Next in
Burn-in and Test of Packaged ICs

THIRTEENTH 13th ANNUAL

BiTS
TM
Burn-in & Test Strategies Workshop



Workshop Overview



(Please Silence Cell Phones & Beepers)

Rebranding



Keep pace with the evolution of packaged ICs to incorporate now and next generation burn-in and test solutions



What's Now & Next in Burn-in and Test of Packaged ICs



In Memoriam

Steven R. Appleton
1960 – 2012

Chairman, CEO & President of Micron

BiTS Keynote Speaker – 2007

He lived life to the fullest



Workshop Overview

Welcome to the 13th Annual BiTS Workshop

The World's Premier Event for What's Now & Next in
Burn-in and Test of Packaged ICs

➤ Comprehensive Program

✓ Technical Program

- TechTalk
- Tutorial
- Keynote, Distinguished & Socket Marketplace Speakers
- Papers & Posters

✓ BiTS EXPO – 47 Exhibitors

✓ Networking Opportunities

- Social Program



Workshop Overview

Welcome to the 13th Annual BiTS Workshop

eBiTS 2012

- Posters, Info & Ads on Flat Screen Monitors
- Proceedings on a Thumbdrive
- Tutorial 'Manual' on a Thumbdrive
- TechTalk 'Manual' on Wireless Download
- Evaluations on the Web; QR Codes for Smart Phones
- QR Codes on Badge: Contact Info (Business Card)
- **Featured Speakers & EXPO Video Interviews on the Web**



A Long Way From Overhead Projectors & Transparencies
at Year '1': BiTS 2000



Workshop Overview

Welcome to the 13th Annual BiTS Workshop

- Informal and Casual Throughout All Sessions and Activities
- Feedback & Suggestions are Encouraged & Welcome
- BiTS is pleased to again be at the
Hilton Phoenix East / Mesa Hotel

ANNOUNCING

BiTS 2013
March 3 - 6, 2013
at the Hilton



THIRTEENTH 13th ANNUAL
BiTS
 Burn-in & Test Strategies Workshop

Hotel Facilities

You are here
 Sessions, Dinner

BiTS EXPO
 (Atrium)

**Breakfast, Breaks,
 Poster Sessions**

**Lunch (Pool Terrace;
 Fiesta Ballroom)**

"BiTS Bayou Bash"
 (Pool & Pool Patio)

THIRTEENTH 13th ANNUAL
BiTS
 Burn-in & Test Strategies Workshop

Workshop Overview

- **Professional Attendee Registration Includes**
 - **Technical Program**
 - ✓ + TechTalk (*); Tutorial (*)
 - **Meals & Social Program**
 - **BiTS EXPO**
 - **Registration Package**
 - ✓ Badge w. Sponsored Lanyard
 - Softcopy Proceedings (Hardcopy Optional)
 - ✓ Workshop Guide & Exhibitor Directory
 - ✓ Souvenir Backpack, Tote
 - ✓ Sponsored Padfolio
 - ✓ TechTalk (*); Tutorial Materials (*)
 - ✓ Evaluations / QR Codes

YOUR NAME

Proceedings

Workshop Guide & Exhibitor Directory

Hotel Key Card

(*) w. addl. registration



Workshop Overview

Learn...

Learn - from a technical program that includes 25 papers in 7 Sessions, 3 papers in a Socket Marketplace Session, 8 posters across 2 Poster Sessions, a TechTalk & a Tutorial. Plus renowned speakers delivering Keynote and Distinguished addresses.

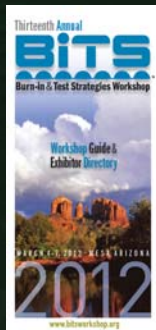
Explore - the latest products and services from 47 companies at the BiTS EXPO

Share - ideas with colleagues from around the world at numerous networking events



Workshop Overview

Learn...



Workshop Guide

SPECIAL FEATURE ARTICLE



by

Tom Di Stefano

“Shifting Ground”



Technical Program

Learn...

- **BiTS TechTalk**
 - **“Geometric Dimensioning and Tolerancing for Burn-In and Test Professionals”**
✓ Thomas Allsup—Anida Technologies
- **BiTS Tutorial**
 - **“Fundamental Properties of Electrical Contacts”**
✓ Dr. Roland S. Timsit—Timron Advanced Connector Technologies
- **Marketplace Reports**
 - **“Where It’s At - Understanding the Geography of the BiTS Market”**
✓ Jon Diller—Interconnect Devices, Inc.
 - **“Specsmanship”**
✓ James Brandes—Multitest
 - **Socket Marketplace Report**
✓ Fred Taber—BiTS Workshop



Technical Program

Learn...

Featured Speakers:

Keynote

“3-D Semiconductors Market Opportunities”

Jim Feldhan—Semico Research

Distinguished

“Package Level Test Challenges – Delivering More Than a Technology”

John Morrissey, Mark Hopman
—Intel Corporation



Technical Program

Learn...

7 Technical Sessions

- **The Tricks are in the Tooling**
- **Operations Matter**
- **Analyze This**
- **Making Contact**
- **Designing for Performance**
- **We've Got the Power (and Signal Integrity)!**
- **Living in a Material World**

Plus 2 Poster Sessions



BiTS EXPO

...Explore...

- **47 Companies Exhibiting**
 - **Explore their Latest Products & Services**
 - **Description & Contact Info in the Exhibitor Directory**
 - **Company List in the Proceedings**
- **Atrium**
- **EXPO Schedule:**

MONDAY

5:30PM – 9:00PM

TUESDAY

3:30PM – 6:30PM



EXPO2012 Exhibitors

Explore...

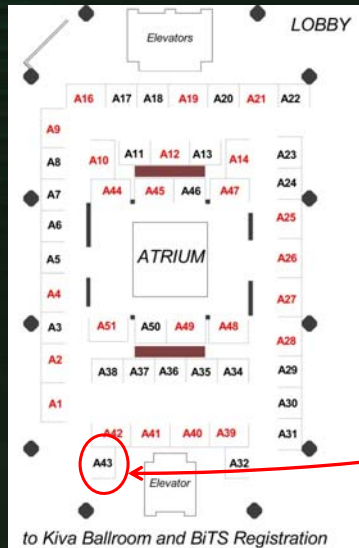
Atrium

- | | | |
|---|--|---------------------------------------|
| A01 R&D Circuits | A18 Sullins Connector Solutions | A36 DuPont |
| A02 R&D Circuits | A19 Quadrant EPP | A37 Ironwood Electronics |
| A03 International Test Solutions | A20 SV Probe | A38 Abrel Products |
| A04 Everett Charles Tech. | A21 Leeno Industrial, Inc. | A39 Johnstech Intl. Corp. |
| A05 Micro Control Company | A22 ISE Labs | A40 Piper Plastics, Inc. |
| A06 E-TEC Interconnect, Ltd. | A23 Rika Denshi America, Inc. | A41 Interconnect Devices, Inc. |
| A07 Chip Scale Review | A24 CCT Plastics | A42 Transcend Technologies |
| A08 Micro Contact Solution | A25 Yamaichi Electronics | A43 CMR Summit Technologies |
| A09 J2M Test Solutions | A26 Incal Technology, Inc. | A44 Enplas Tesco, Inc. |
| A10 WinWay Technology Co. | A27 Aries Electronics, Inc. | A45 Multitest |
| A11 IWIN Co., Ltd. | A28 E. Jordan Brookes | A46 Phoenix Test Arrays |
| A12 Test Tooling Solutions | A29 Micronics Japan Co., Ltd. | A47 Sensata Technologies |
| A13 Vermont Microdrilling | A30 Aehr Test Systems | A48 Plastronics |
| A14 3M Electronic Solutions | A31 Titan Semiconductor Tool | A49 Materion Brush |
| A16 RB Technology, Inc. | A32 Ardent Concepts | A50 Ensinger, Inc. |
| A17 MJS Designs, Inc. | A34 Wells-CTI | A51 Qualmax, Inc. |
| | A35 Wells-CTI | |
- Principal Sponsors**



EXPO

Explore...



EXPO2012

Floor Plan

Additional Booth




Networking

...Share

Meet Your Colleagues From Around the World

- **Many Opportunities to Network, Share & Discuss**
 - **Meals & Receptions**
 - **Morning and Afternoon Breaks**
 - **Poster Session During the Break on Monday PM & Tuesday AM**
 - **BiTS EXPO**
 - ✓ **Social Activities In Conjunction With the Exhibits**
 - **Tuesday Evening Social Event: "BiTS Bayou Bash"**
 - ✓ **A Taste of New Orleans**
 - Reception, Cajun Cuisine, Jazz, Games --

BiTS Bayou Bash
A Taste of New Orleans
New Orleans
Tuesday, March 6 - 6:30PM
Pool Patio & Pool
Reception, Cajun Cuisine, Jazz, Games
Laissez les bons temps rouler!!



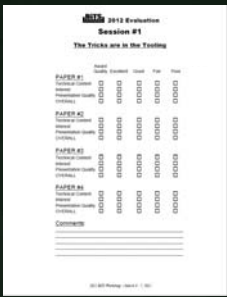
Technical Program

Learn...

Evaluation / Comments Forms

Hardcopy

At Registration Desk

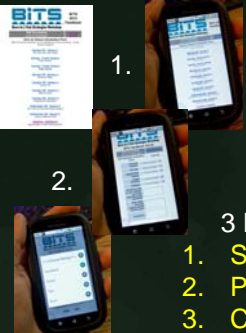


Drop Off at the Registration Desk

&/or

Online


<http://www.bitsworkshop.org/2012>



1. QR Codes for Sessions & Overall

2. 3 EASY Steps

1. Select Session
2. Pick Category
3. Choose Rating



Recognition

- **Award Plaques**
 - Best Poster
 - Best Data Presented
 - Most Inspirational Paper
 - Best Presentation, Tutorial in Nature
 - Attendee Choice
 - Best Presentation / Paper

**BiTS Award Archive is
in the Proceedings**



Recognition

AND.....a Special Award.....

Now "Semi-Retired"



Special Award

for the

Least Concealed Sales Pitch





*The
(Almost) Brilliant Disguise
Award*

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BiTS
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BiTS Website

Your Complete Source For Information About BiTS
<http://www.bitsworkshop.org>



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

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BiTS
 Burn-in & Test Strategies Workshop

BiTS Website

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<http://www.bitsworkshop.org>

**** Current Workshop ****

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

**** Features ****

- Committee Members
- Contact BiTS - Add to Mailing List & Inquiries
- Links to Other Websites
- 'Press' About BiTS
- Search BiTS Feature

**** Prior Workshops ****
BiTS Archive: Papers, Authors, Attendees





BiTS Website

Your Complete Source For Information About BiTS

<http://www.bitsworkshop.org>

Coming Soon

BiTS 2012 Archive (April/May 2012)

BiTS 2013 Call For Presentations (~August 2012)



Sponsors

Premier  A DOVER COMPANY
 >> *economy through technology*

Distinguished  INTERCONNECT DEVICES, INC. 

Keynote  **Publication** 

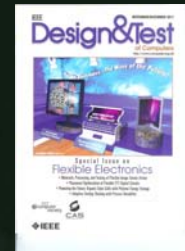
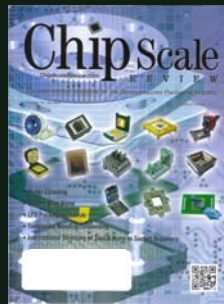
Lanyards  **Notebooks**  **Key Card** 



Resources

Other Test & Burn-in Resources

- Chip Scale Review
- Final Test Report
 - ✓ The latest news from around the test industry
- Design & Test of Computers
- TAP Times
- **SWTW – Semiconductor Wafer Test Workshop**



Committee

PROGRAM:

- | | |
|------------------------------|--------------------------------------|
| Rafiq Hussain—AMD (ret.) | Morten Jensen—Intel |
| Marc Knox—IBM | Joachim Moerbt—Advantest |
| C.Y. Lai—TTS Group | John Moore—Texas Instruments |
| Mike Noel—Freescale | Tim Swettlen—Intel (Tutorials Chair) |
| Ila Pal—Ironwood Electronics | |

LOCAL ARRANGEMENTS:

Valts Treibergs, Chair—Multitest

- Kena Pegram—Phoenix Test Arrays
- Owen Prillaman—TechConnect Sales & Distribution

MARKETING:

John Hartstein, Chair—Wells-CTI

REGISTRATION:

Paul Boyce, Chair—Advantage Specialist