



**Burn-in & Test
Socket Workshop**

March 7 - 10, 2004

WRAP-UP

COPYRIGHT NOTICE

- The papers in this publication comprise the proceedings of the 2004 BiTS Workshop. They reflect the authors' opinions and are reproduced as presented , without change. Their inclusion in this publication does not constitute an endorsement by the BiTS Workshop, the sponsors, BiTS Workshop LLC, or the authors.
- There is NO copyright protection claimed by this publication or the authors. However, each presentation is the work of the authors and their respective companies: as such, it is strongly suggested 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 Socket Workshop' are trademarks of BiTS Workshop LLC.

2004 BiTS SUMMARY

- 3 Days of Really Hard “Work”
 - Pre-Panel Paper And Panel Discussion
 - 25 Papers
 - Keynote Speaker
 - 34 Exhibits
- AND some time for fun & networking
 - Casino Night: “BiTS Deal Yourself a Winning Hand”
 - Receptions, Breaks, Lunches, Dinners, Open Time

BiTS Burn-in & Test Socket Workshop



BiTS Burn-in & Test Socket Workshop





Burn-in & Test Socket Workshop



BiTS Burn-in & Test Socket
Workshop



BiTS

Burn-in & Test Socket
Workshop



2004 BiTS AWARDS

- Casino Night Prizes
- “Special” Recognition

- Best Data Presented
- Most Inspirational Paper
- Best Presentation, Tutorial in Nature
- Best Presentation / Paper

- AND.....the Special Award.....

Special Award

for the

Least Concealed Sales Pitch

The
(Almost) Brilliant Disguise
Award

BiTS Workshop On The Web

<http://www.bitsworkshop.org>

Coming Soon

- BiTS 2004 Archive
- BiTS 2005 Call For Presentations (~August 2004)
 - **SHARE YOUR LATEST WORK WITH YOUR COLLEAGUES**
- Your Complete Source For Information About BiTS

BiTS 2004 Committee

Thank You

GENERAL CHAIR

Frederick Taber
IBM Microelectronics

PROGRAM

Clayton Carpenter, Chair
Intel

Rafiq Hussain
Advanced Micro Devices

Steve Hamren
Micron

REGISTRATION

Paul Boyce, Chair
Advantage Specialist

LOCAL ARRANGEMENTS

Valts Treiberigs, Chair
Everett Charles Technologies

John Ambrosini
Enplas-Tesco

Owen Prillaman
Yamaichi Electronics USA

PUBLICITY & PUBLICATIONS

Mark Murdza, Chair
Wells-CTI

Panelists & Keynote Speaker

THANK YOU

Panelists

Jon Diller

Nader Abzarnia

Dale Anderson

Vern Blair

Ray Gore

Gerhard Gschwendtberger

Ken Karklin

Keynote Speaker

David Johnson



Presenters / Authors

THANK YOU

Session 1

Marc Knox

Michael Noel

Don VanOverloop

Allan Dobbin

Helge Puhmann

Kazuhiro Matsuda

Jec Sangalang

Session 2

James Forster

Prasanth Ambady

Ray Mandeville

Kevin Moody

S. Kumaran

Session 3

Glenn Cunningham

Paul Kane

Joy Bloom

Roger Weiss

Chris Cornell

Glenn Amber

Ceferino Gonzalez

Subhotosh Kahn

Session 4

Jiachun (Frank) Zhou

Uyen Nguyen

Alberto M. Campos

Qifang (Michelle) Qiao

Karl Schoenfeld

Victor Henckel

Glenn Cunningham

Hongfei Yan



**Burn-in & Test Socket
Workshop**

Presenters / Authors

THANK YOU

Session 5

Jon Diller

Kevin DeFord

Jason Mroczkowski

Tim Swettlen

Orlando Bell

Gary Otonari

Eric Bogatin

Session 7

Therese Souza

John Caldwell

Thuan-Lian Chua

Jayachandrian

Dieter Schuetz

Session 6

Gerhard Gschwendtberger

Mike Gedeon

Jim Johnson

Jerry Broz

Gene Humphrey

Chris Dempsey

Vinayak Pandey

Naoaki Takayama

Arun Aggrawal

Jim Johnson

Session 8

Ila Pal

Valts Treiberigs



**Burn-in & Test Socket
Workshop**

Exhibitors

THANK YOU

KACHINA

K1 - 3M
K2 - Altanova
K3 - Synergetix
K4 - Ironwood Electronics
K5 - RS Tech
K6 - Micro Control Co.
K7 - Chip Scale Review
K8 - Kulicke & Soffa
K9 - Wells-CTI
K10 - Rika Denshi America

PUEBLO

P1 - Plastronics
P2 - Tecknit
P3 - Piper Plastics
P4 - Everett Charles Tech.
P5 - Enplas Tesco Inc.
P6 - Paricon Tech.
P7 - AEHR Test Systems
P8 - High Conn. Density
P9 - Aries Electronics
P10 - Micronics Japan Co.
P11 - Incal Technology
P12 - Johnstech Int'l
P13 - Brush Wellman

FIESTA

F1 - Unisys
F2 - Phoenix Test Arrays
F3 - Yamaichi Electronics
F4 - Nikon Instruments
F5 - Azimuth Electronics
F6 - Gold Technologies
F7 - Texas Instruments
F8 - Dimensions Consulting
F9 - Ardent Concepts

ATRIUM

A1 - E. Jordan Brookes
A2 - InterCon Systems



**Burn-in & Test
Socket Workshop**

THANK YOU