Welcome to the 8th Annual BiTS Workshop

The World’s Premier Workshop Dedicated To Socketing And Related Fields
Welcome

Workshop Overview

(Please Silence Cell Phones & Beepers)

COMMITTEE

PROGRAM
Steve Hamren
(Sessions Chair)
Micron
Tim Swettlen
(Tutorials Chair)
Intel
Rafiq Hussain
Advanced Micro Devices
Marc Knox
IBM Systems & Tech. Group
John Moore
Texas Instruments
Mike Noel
Freescale

LOCAL ARRANGEMENTS
Valts Treibergs, Chair
Everett Charles Technologies
John Ambrosini
Enplas-Tesco
Owen Prillaman
Yamaichi Electronics

PUBLICITY & PUBLICATIONS
Mark Murdza, Chair
Antares Advanced Test Technologies

REGISTRATION
Paul Boyce, Chair
Advantage Specialist

March 11 - 14, 2007
Welcome to the 8th Annual BiTS Workshop
The World’s Premier Workshop Dedicated To Socketing And Related Fields

- Comprehensive Program
  - Technical Program
    - 2 Tutorials
    - Invited Speaker, 25+ Papers & Keynote Speaker
  - BiTS EXPO – 58 Exhibitors
  - Networking Opportunities
    - Social Program

Welcome to the 8th Annual BiTS Workshop
- Informal and Casual Throughout All Sessions and Activities
- Feedback & Suggestions are Encouraged
- BiTS is Pleased to Return to:
  The Hilton Phoenix East / Mesa Hotel
Welcome

March 11 - 14, 2007

Attendee Registration Includes

- Technical Program
  - + Tutorial(s) (*)
- Meals & Social Program
- BITS EXPO
- Registration Package
  - Badge
  - Hardcopy Proceedings
  - Workshop Guide & Exhibitor Directory
  - Souvenir Bag
  - Tutorial Materials (*)
  - Wireless Access: User Name: HMP-3732; P/W: 558624

(*) w. addl. registration

Pavilion - Lunch (Across Street)

BiTS EXPO

Hotel Facilities

Sessions, Tutorials, Dinner
Workshop Overview

- Technical Program
  - 2 Tutorials (*) – Sunday Afternoon
  - Invited Speaker – Sunday Evening
  - Keynote Speaker – Monday Morning
  - 25+ Practical and Useful Presentations From Users and Suppliers Across 2 1/2 Days
    - 7 Sessions + Hot Topics Session
    - Q&A After Each Presenter
    - Many Excellent Abstracts Submitted

(*) w. addl. registration

BiTS Tutorials

- “ATE Printed Circuit Board Design; Design vs. Manufacturing Capabilities vs. Time to Market”
  - Steve Arobio – Dynamic Test Solutions, Inc.
- “An Overview of Critical Issues in IC Packaging”
  - Charles Cohn – TechSearch International, Inc.
• Invited Speaker

“From the Frying Pan Into the Fire: Working on Both Sides of the Tooling Supply Chain”

Steven B. Strauss
Vice President of Engineering
Antares Advanced Test Technologies

• Keynote Speaker

Steven R. Appleton
Chairman, CEO & President
Micron Technology, Inc.

“The Impact of New Applications and Increasing Device Complexity on the Future of Testing”
Technical Program

8 Technical Sessions

- Designing for Socket Electrical Integrity
- PCB Advancements and Opportunities
- Socket Analysis and Characterization Methods
- Hot Topics: Advancements in Contacting Leading Edge Packages
- Pushing the Power / Thermal Envelope
- Socket Design and Use Challenges
- Trends in Contact Technologies
- Exploring Handler, Socket & Device Interfacing

Workshop Overview

Meet and Chat With Someone You Don't Know

- Many Opportunities to Network, Share & Discuss
  - 3 Breakfasts, 2 Lunches, 4 Receptions and 2 Dinners
    ✓ Plus: Chef Stations & Reception at Monday EXPO
  - Morning and Afternoon Breaks
  - Networking Time on Monday and Tuesday Afternoon
    ✓ “Meet the Press”
  - Tuesday Evening Social Event
    ✓ An International Murder Mystery: “SPY!”
  - BiTS EXPO
    ✓ Social Activities In Conjunction With the Exhibits
Welcome

Workshop Overview

- **Evaluation / Comments Forms**
  - Forms are in the Proceedings
    - After Each Session
    - Overall Workshop

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

BiTS Award Archive is in the Proceedings

ANNOUNCING

**BITS @ SEMICON WEST**

Top Papers at BiTS to be Presented

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

Now “Semi-Retired”
Welcome

2007

Special Award
for the
Least Concealed Sales Pitch

The
(Almost) Brilliant Disguise
Award

BiTS Website
Your Complete Source For Information About BiTS
http://www.bitssworkshop.org

March 11 - 14, 2007
Welcome

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

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

**Features**
- Committee Members
- Contact BiTS - Add to Mailing List & Inquiries
- BiTS-List (Chat Forum)
- Links to Other Websites
- ‘Press’ About BiTS
- Search BiTS Feature

**BiTS Website**

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http://www.bitworkshop.org

- **BiTS-List**
  - Chat Forum
  - Sign-up Now!
    - Registration Form: check-off box
      - OR
    - See the Registration Desk
      - OR
    - On-line

Consider Replacing with a blog?
Welcome

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Coming Soon

- **BiTS 2007 Archive** (April/May 2007)
- **BiTS 2008 Call For Presentations** (August 2007)
- And Introducing: **BiTS Classifieds** (2Q 2007)
  - BiTS-Careers (Jobs)
  - BiTS-Ads (Products & Services)

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**BiTS Website**

**Bitsworkshop.org Website Visitors**

- 3000
- 2500
- 2000
- 1500
- 1000
- 500
- 0

Month

March 11 - 14, 2007
BiTS Website

Top Downloads Since BiTS 2006

- 2006 Tutorial - Bogatin - Fundamental Properties of Electrical Contacts (13%)
- 2006 Tutorial - Allsup - Geometric Dimensioning and Tolerance: A Primer for the BiTS Professional (13%)
- 2006 Tutorial - Bogatin - Differential Impedance and Insertion Loss Applied To Test Sockets (8%)
- 2006 Electrical Analysis and Characterization (8%)
- 2006 Tutorial - Allsup - Geometric Dimensioning and Tolerancing: A Primer for the BiTS Professional (13%)
- 2006 Interfacing: Contacting the Device and Beyond (6%)
- 2004 Deformation and Contamination (6%)
- 2006 Test and Burn-in Efficiency initiatives (6%)
- 2006 Advanced Socket Materials (14%)
- 2006 Socket Design and Performance (13%)
- 2006 Managing Advanced Packaging Demands (13%)
- 2006 Interfacing: Contacting the Device and Beyond (6%)
- 2004 Deformation and Contamination (6%)
- 2006 Test and Burn-in Efficiency initiatives (6%)
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BiTS “In-the-News”

Advanced Packaging & Surface Mount Technology Magazines

- Exclusive BiTS Media Sponsor
- BiTS Exhibitor

Final Test Report

- The latest news from around the test industry

Fleck Research

- Socket Reports
**BiTS EXPO**

- **58 Companies Exhibiting**
  - Description & Contact Info in the Exhibitor Directory
- **Atrium, Pueblo & Kachina Ballrooms**
- **EXPO Schedule:**
  
  **MONDAY**
  
  6:00PM – 9:30PM
  
  **TUESDAY**
  
  3:30PM – 6:00PM

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**BiTS EXPO: Exhibitors**

**Pueblo**

P1 RS Tech, Inc.
P2 E. Jordan Brookes Co., Inc.
P3 Brush Wellman, Inc.
P4 Enplas Tesco, Inc.
P5 Boedeker Plastics, Inc.
P6 RJ Technical Sales
P7 Sensata Technologies, Inc.
P8 Accutron, Ltd.
P9 Phoenix Test Arrays, LLC
P10 Integrated Test Corp.
P11 Ardent Concepts, Inc.
P12 RD Chemical Company

**Kachina**

K1 Synergetix
K2 Marcel Electronics Int'l.
K3 Hon Hai Precision (Foxconn)
K4 Yokowo America Corp.
K5 inTest Silicon Valley Corp.
K6 Hyperion Catalysis Int'l., Inc.
K7 Exatron
K8 EDA North America

**Atrium**

A1 Unitechno USA, Inc.
A2 SEMI
A3 Micro Control Company
A4 E-tec Interconnect, Ltd.
A5 R&D Circuits
A6 Advanced Packaging & SMT
A7 Johnstech Int'l Corp.
A8 P.P.I. -Time Zero, Inc.
A9 Nano Measurements
A10 Honeywell
A11 Protos Electronics
A12 Plastronics Socket Co.
A13 Everett Charles Technologies
A14 Professional Plastics
A15 CEIBIS Cody Electronics, Inc.
A16 NHK Spring Co., Ltd.
A17 Piper Plastics, Inc.
A18 Piper Plastics, Inc.
A19 Rika Denshi America, Inc.
A20 Electroworld
A21 Yamaichi Electronics USA
A22 INCAL Technology, Inc.
A23 3M
A24 Paricon Technologies Corp.
A25 Azimuth Electronics, Inc.
A26 Aehr Test Systems
A27 Aries Electronics, Inc.
A28 Micronics Japan Co., Ltd.
A29 Victrex USA, Inc.
A30 Qualmax, Inc.
A31 Antares Adv. Test Tech.
A32 Antares Adv. Test Tech.
A33 Ensinger, Inc.
A34 Gryphics, Inc.
A35 Abrel Products Limited
A36 E. I. Dupont Company
A37 Altanova, Inc.
A38 Ironwood Electronics
A39 Nikon Instruments, Inc.
A40 Dynamic Test Solutions