ARCHIVE 2006

Welcome

BiTS 2006 Welcome Remarks

Fred Taber
BiTS General Chairman

Burn-in & Test Socket Workshop

March 12 - 15, 2006
Wyndham Buttes Resort
Tempe, Arizona

WELCOME

2006

Welcome

to the

7th Annual BiTS Workshop

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

Workshop Overview

(Please Silence Cell Phones & Beepers)

Workshop Overview

(Please Silence Cell Phones & Beepers)

COMMITTEE

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

PUBLICITY & PUBLICATIONS
Mark Murdza, Chair
UMD Advanced Test Technologies

REGISTRATION
Paul Boyce, Chair
Advantage Specialist

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

Workshop Overview

Welcome to the 7th Annual BiTS Workshop

The World's Premier Workshop Dedicated To Socketing And Related Fields

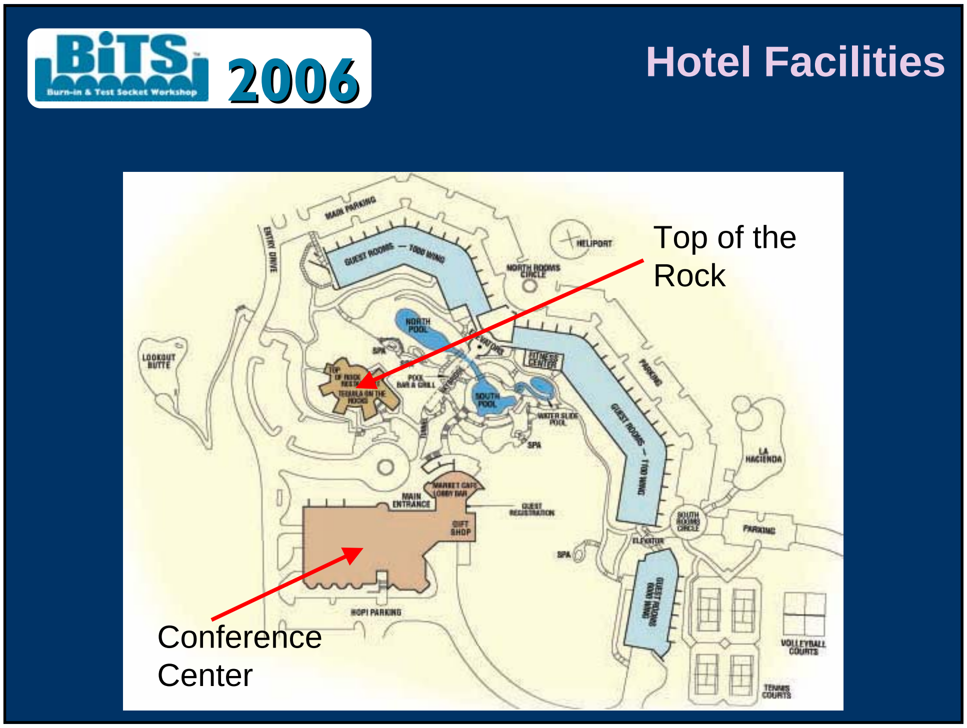
- ➢ Comprehensive Program
  - ✓Technical Program
    - – 3 Tutorials
    - – Panel, 30+ Papers & Keynote Speaker
  - ✓BiTS EXPO – Over 50 Exhibitors
  - ✓Networking Opportunities
    - – Social Program

BiTS 2006

Workshop Overview

Welcome to the 7th Annual BiTS Workshop

- Informal and Casual Throughout All Sessions and Activities
- Feedback & Suggestions are Encouraged
- A New Venue:
  The Wyndham Buttes Resort

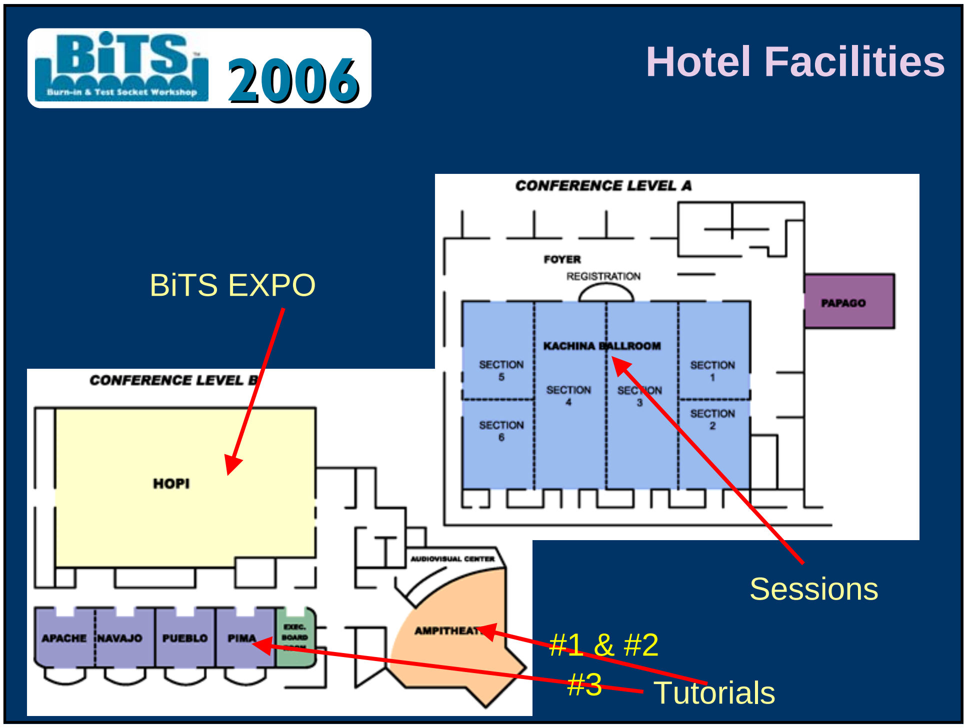


BiTS 2006

Hotel Facilities

Top of the Rock

Conference Center



Hotel Facilities

BiTS EXPO

Sessions

#1 & #2

#3

Tutorials

Hotel Facilities

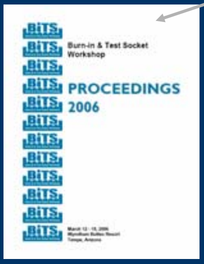
Wyndham ByRequest®

- Receive Great Benefits
  - Unlimited Domestic Long Distance Calls
  - Local phone calls
  - High speed internet access
  - Faxes
  - Copies
  - Personalized Room
- Sign-up Now - It’s Free
  - Non-Wyndham Guests Can Sign–up Too!

Workshop Overview

- Attendee Registration Includes
  - ➢ Technical Program
    - ✓+ Tutorial(s) (*)
  - ➢ Meals & Social Program
  - ➢ BiTS EXPO
  - ➢ Registration Package
    - ✓Badge
    - ✓Hardcopy Proceedings
    - NEW!! ✓Workshop Guide & Exhibitor Directory
    - ✓Souvenir Bag
    - ✓Tutorial Materials (*)

YOUR NAME



Burn-in & Test Socket Workshop

PROCEEDINGS 2006

SEVENTH ANNUAL

BiTS

Burn-in & Test Socket Workshop

Workshop Guide & Directory of Exhibitors

WYNDHAM BUTTES RESORT TEMPE, ARIZONA

MARCH 12–15, 2006

2006

(*) w. addl. registration)

Workshop Overview

- Technical Program
  - ➢ 3 Tutorials (*) – Sunday Afternoon
  - ➢ Panel Discussion – Sunday Evening
    - ✓Key Focus Topic
  - ➢ Keynote Speaker – Tuesday Evening
  - ➢ 30+ Practical and Useful Presentations From Users and Suppliers Across 2 1/2 Days
    - ✓8 Sessions + Hot Topics Session + Bonus Papers
    - ✓Q&A After Each Presenter
    - ✓Many Excellent Abstracts Submitted

(*) w. addl. registration)

Workshop Overview

Meet and Chat With Someone You Don't Know

- Many Opportunities to Network, Share & Discuss
  - ➢ 3 Breakfasts, 2 Lunches, 3 Receptions and 2 Dinners
    - ✓Plus: Chef Stations with Monday Evening Reception During the EXPO
  - ➢ Morning and Afternoon Breaks
  - ➢ Networking Time on Monday and Tuesday Afternoon
  - ➢ Monday Evening Social Event
    - ✓Casino Night: "BiTS – Deal Yourself A Winning Hand"
  - ➢ BiTS EXPO
    - ✓Social Activities In Conjunction With the Exhibits

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

2006

Workshop Overview

AND……….a Special Award…….

2006

Special Award

for the

Least Concealed Sales Pitch

The (Almost) Brilliant Disguise Award

2006

Special Award

The (Almost) Brilliant Disguise Award

Hall Of Fame

BiTS 2005 – John Harkness – Brush Wellman

BiTS 2004 – Helge Puhlmann – Yamaichi

BiTS 2003 – Roger Weiss – Paricon Technologies

BiTS 2002 - Mike Niederhofer & Bruce Simikowski - Incal

BiTS 2001 - Jim Ostendorf - Dynavision

BiTS 2000 - Mehdi Attaran - Oztek

2006

BiTS Website

Your Complete Source For Information About BiTS

http://www.bitsworkshop.org

BiTS Workshop - Microsoft Internet Explorer

Address http://www.bitsworkshop.org/

March 12-15
2006
6 days to go!

WYNDHAM BUTTES RESORT
TEMPE, ARIZONA

Wyndham Buttes. - Exhibitors! A few booth spaces are still available - Attendees can access wireless internet in public areas of the Wyn

SEVENTH ANNUAL

2006

March 12 - 15, 2006
Wyndham Buttes Resort - Tempe, Arizona

BITS 2006 Workshop
Attendee Registration

Advanced Registration
IS CLOSED

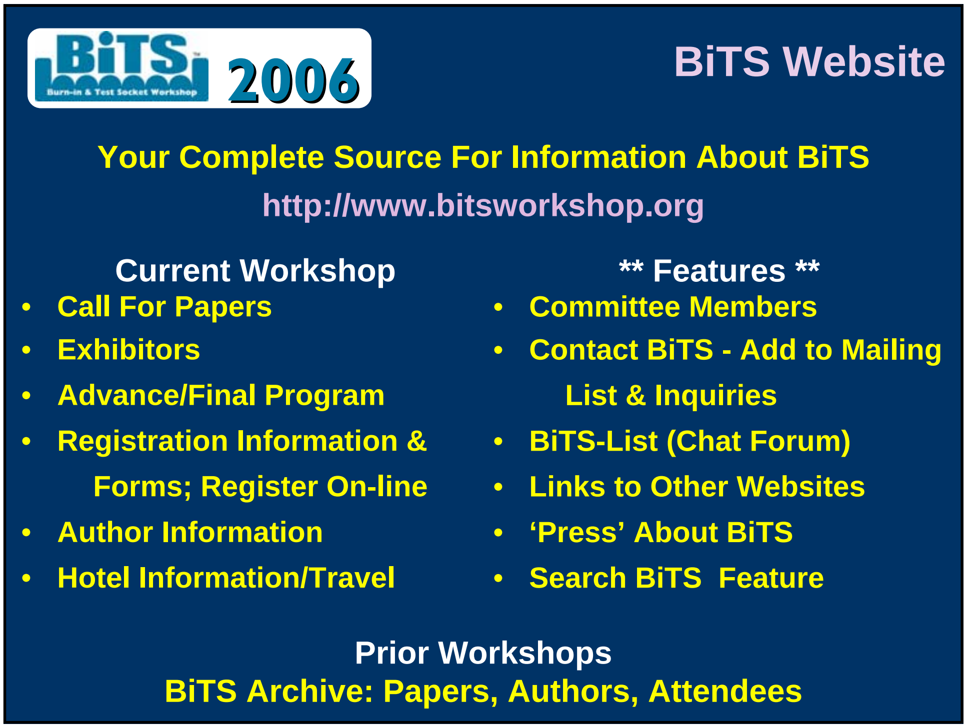
Register On-Site starting
Sunday March 12th!

BiTS 2006 EXPO

A Few Booths Still Available

Advance Program

FEATURING



BiTS Website

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http://www.bitsworkshop.org

Current Workshop

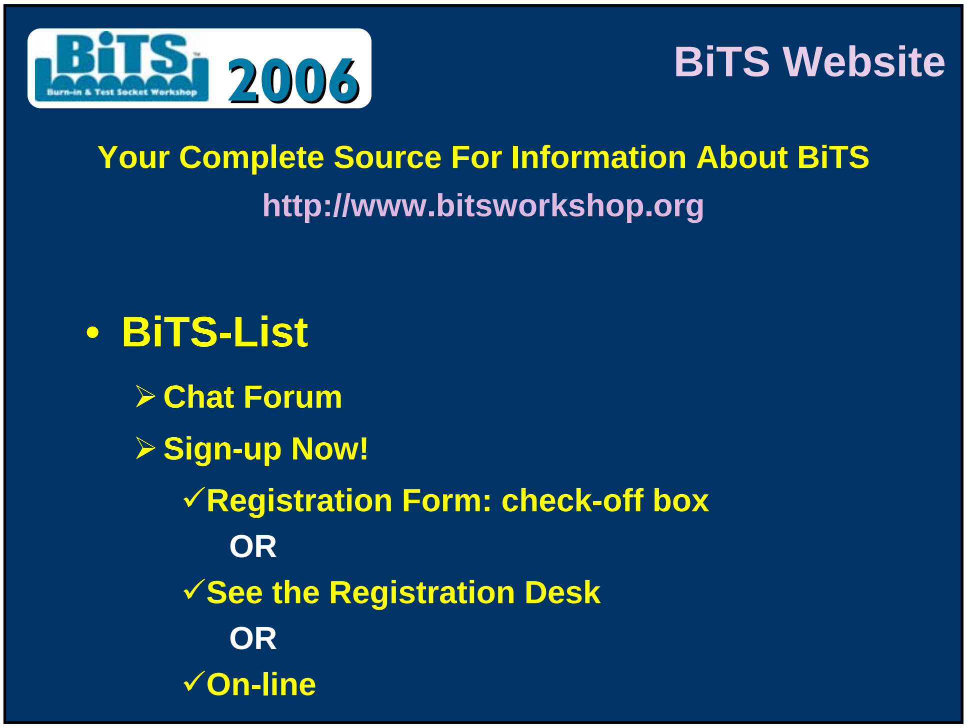
- Call For Papers
- Exhibitors
- Advance/Final Program
- Registration Information & Forms; Register On-line
- Author Information
- Hotel Information/Travel

**** Features ****

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

Prior Workshops

BiTS Archive: Papers, Authors, Attendees



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http://www.bitsworkshop.org

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

BiTS Website

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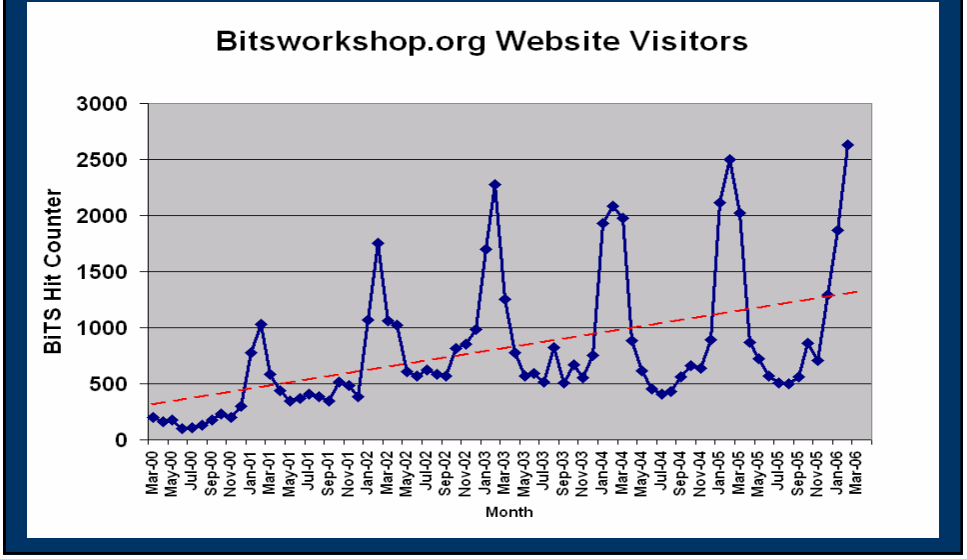
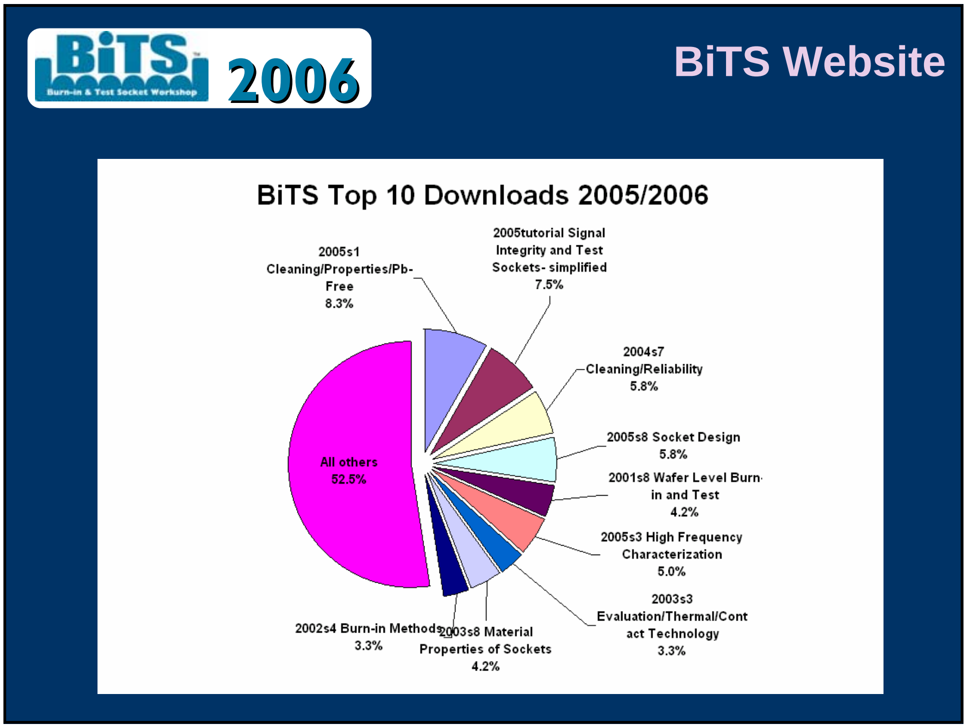
Coming Soon

BiTS 2006 Archive (April/May 2006)

BiTS 2007 Call For Presentations (August 2006)

BiTS Website


Bitsworkshop.org Website Visitors



BiTS Website

BiTS 2006

BiTS “In-the-News”

BiTS 2006

Chip Scale Review

- BiTS Media Partner
- BiTS Exhibitor

Final Test Report

- ✓The latest news from around the test industry

Fleck Research

- ✓Socket Reports

Advanced Packaging Magazine

BiTS Burn-in & Test Socket Workshop 2006

BiTS EXPO

- 53 Companies Exhibiting
  - Description & Contact Info in the Exhibitor Directory
- Hopi Room
- EXPO Schedule:

MONDAY	TUESDAY
4:30PM - 8:00PM	5:30PM – 8:00PM

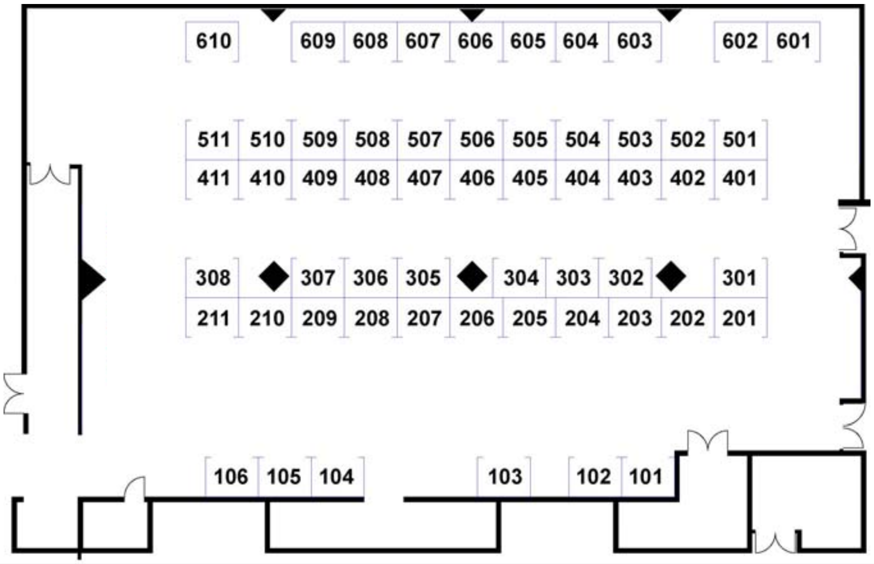
BiTS Burn-in & Test Socket Workshop 2006

BiTS EXPO: Exhibitors

101	ISU Petasys Corp.	103	Kulicke & Soffa	105	INCAL Technology, Inc.
102	Aehr Test Systems	104	3M	106	Plastronics Socket Co.
201	UMD Advanced Test Tech.	205	Custom Interconnects	209	Azimuth Electronics, Inc.
202	UMD Advanced Test Tech.	206	EDA Industries	210	Hyperion Catalysis Int'l., Inc.
203	Rika Denshi America, Inc.	207	Synergetix	211	Everett Charles Tech.
204	Piper Plastics, Inc.	208	Birk Manufacturing, Inc.		
301	Micro Control Company	304	Ensinger, Inc.	307	Boedeker Plastics, Inc.
302	Texas Instruments	305	Enplas Tesco, Inc.	308	Aries Electronics, Inc.
303	Integrated Test Corp.	306	Dynamic Test Solutions, Inc.		
401	Yamaichi Electronics USA, Inc.	405	RS Tech, Inc.	409	Qualmax, Inc. / Leeno
402	Quadrant Eng. Plastic Prod.	406	Brush Wellman, Inc.	410	RJI Technical Sales
403	Gryphics, Inc.	407	E. Jordan Brookes Co., Inc.	411	Micronics Japan Co., Ltd.
404	PPI-Time Zero Inc.	408	Phoenix Test Arrays, LLC		
501	Johnstech International Corp.	504	Chip Scale Review	507	Unitechno USA, Inc.
502	Electroworld	505	E-tec Interconnect, Ltd.	508	Nikon Instruments, Inc.
503	Yokowo America Corporation	506	RD Chemical Company	509	Exatron
601	Paricon Technologies Corp.	605	Digital Dimensions, Inc. / Solidworks	607	Victrex USA, Inc.
602	Marcel Electronics Int'l			608	Protos Electronics
603	Ironwood Electronics	606	Ardent Concepts, Inc.	609	Motion Dynamics Corp.
604	NHK Spring Co., Ltd.				

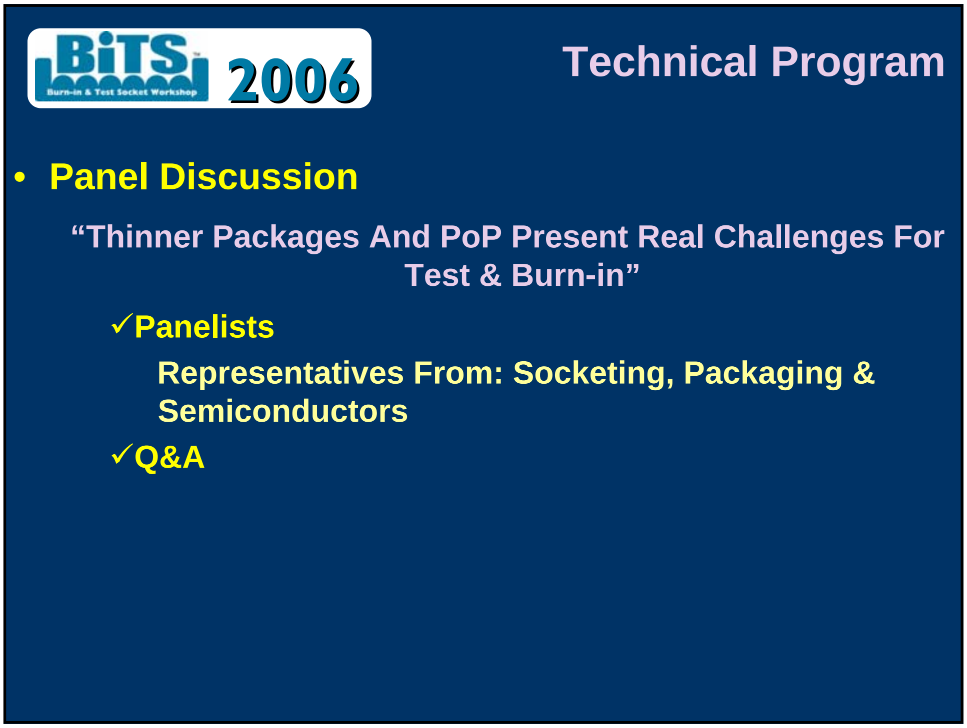
BiTS EXPO: EXPO Area

HOPI ROOM



Technical Program

- BiTS Tutorials
  - ➢ "Fundamental Properties of Electrical Contacts"
    - ✓Dr. Roland Timsit – Timron Scientific Consulting Inc.
  - ➢ "Differential Impedance and Insertion Loss Applied To Sockets"
    - ✓Dr. Eric Bogatin - Synergetix
  - ➢ "Geometric Dimensioning and Tolerancing: A Primer for the BiTS Professional"
    - ✓Thomas Allsup – Anida Technologies



Technical Program

- **Panel Discussion**

  “Thinner Packages And PoP Present Real Challenges For Test & Burn-in”

  ✓Panelists

  Representatives From: Socketing, Packaging & Semiconductors

  ✓Q&A

Technical Program

- **Keynote Speaker**
  - ➢ John Harris
    - – Worldwide Test Engineering Manager
      IBM Systems and Technology Group

“Test And Burn-in: The World Beyond Scaling”

Technical Program

9 Technical Sessions

- Advanced Socket Materials
- Socket Design And Performance
- Electrical Analysis And Characterization
- Managing Advanced Packaging Demands
- High Frequency Design And Measurement Considerations
- Interfacing: Contacting The Device And Beyond
- Hot Topics: A Trio Of Trends And Challenges
- Thermal Management Advances
- Test And Burn-in Efficiency Initiatives

AND

- 2 Supplemental Papers