

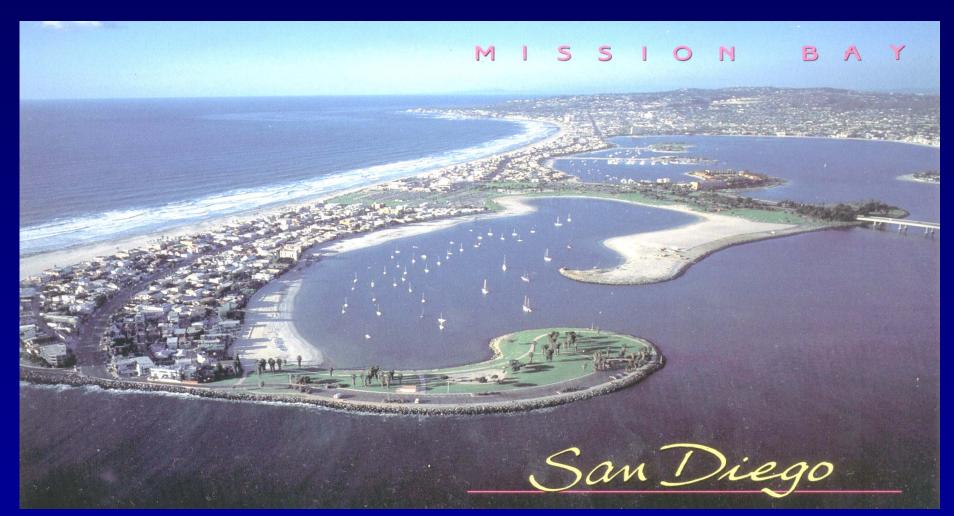
To Advance Wafer Test Technology

- o To Serve and Inform the Wafer Test Professional
- o To Boldly Go Where No Workshop Has Gone Before

San Diego, CA, June 5 to 8, 2005



15th Annual SWTW





Southwest Test Workshop 200

- "THE" Conference for Wafer Test Professionals
- Sponsored by the IEEE Computer Society and the Test Technology Technical Committee
- Not a theoretical or academic conference
- Not a Sales Show, but we do have exhibits
- It's a Probe Technology Forum
- Provides practical solutions to real problems
- A balance mixture of semiconductor manufacturer and supplier presentations



Informal Conference

- Long Breaks
- Plenty of networking opportunities
- Informal discussions
- Great social activities
- Meet new people & have some fun!

(Don't tell the IEEE about the fun part)



"Who's fault is it?"

Organization and Technical Program

- William Mann, SWTW General Chair
- Jerry Broz, Ph.D., International Test Solutions, Program Chair
- Maddie Harwood, CEM Inc, Registration and Finance Chair
- Megan White, Exhibits Coordinator

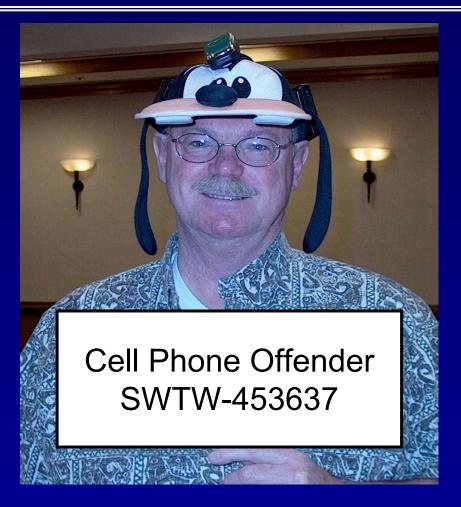
Steering Committee and Session Chairs

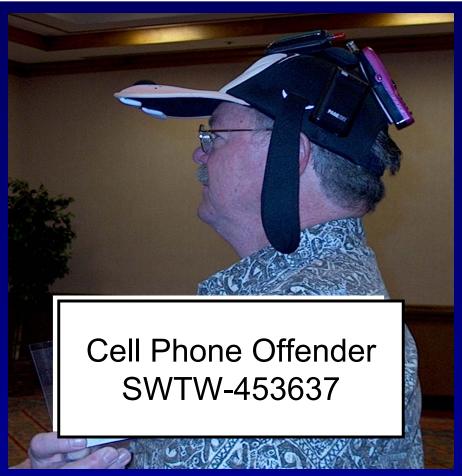
- Michael Egloff, AMD
- Michael Harris, Texas Instruments
- Ken Karklin, Agilent Technologies
- Ger Koch, Philips Semiconductor
- Rey Rincon, Kulicke and Soffa
- Bill Williams, Freescale (Retired)

- Phil Seitzer, Agere (Retired)
- Roger Sinsheimer, Xandex
- Tim Swettlen, Intel
- Fred Taber, IBM (Retired)
- Jack Courtney, IBM
- Scott Mitchell, Texas Instruments



Silence your cell phone !!!







- Sunday, June 5, 2005
 - High Power Probing
 - Registration & Exhibits
 - Dinner
 - Keynote Speaker:

Igor Khandros, Ph.D. Founder and CEO of FormFactor



Monday, June 6

- Continental Breakfast
- Modeling to Reduce Dielectric Cracking
- Reducing Probe Test Cost
- Lunch
- Probe Potpourri
- New Probe Technologies
- ◆ Exhibits open from 5:00 to 7:00 PM
- Dinner
- Informal discussions at the "Barefoot Bar"



Tuesday, June 7

- Continental Breakfast
- On The Road To Full Wafer Test
- Minimizing Contact Resistance Instability
- Lunch
- Free Afternoon for Networking
- ◆ Exhibits open from 4:00 PM to 6:00 PM
- Busses leave at 6:00 PM for USS Midway



- Wednesday, June 8
 - Continental Breakfast
 - Probe Process Characterization
 - Probe Test Data Management
 - Best Presentation Awards
 - Adjournment and Lunch



http://www.swtest.org

Central Online Repository

- Past presentations
- Online registration
- Sign up for our mailing list
- With more features to come......

Tremendous continued success!!

- Over sixty-two thousand visits
- ◆ Thanks to "web-efforts" of Jerry Broz



Recognition & Awards

- IEEE Recognition
- First SWTW Life Achievement
- Best Overall Presentation
- Best Data Presented
- Best Presentation, Tutorial in Nature
- Most "Inspirational" Presentation
- Other "Special Awards"



"Special" Award



"ROYAL ORDER OF THE GOLDEN WHEELBARROW FULL OF CRAP"

The Poorest Disguised Sales Pitch Hall of Shame



Tabletop Exhibits

Applied Precision, LLC

Wentworth Laboratories Inc.

Micronics Japan Co., Ltd.

International Test Solutions

Advanced Probing Systems, Inc.

Integrated Technology Corp.

Cascade Microtech, Inc

Integrated Test Corporation

Dynalyst Manufacturing Corp.

Temptronic Corporation

International Contact Tech.

Electroglas, Inc.

JEM America Corp.

Accretech USA, Inc

MACSS, LLC

Oxford Lasers

Microprobe

Apex America

AMST Co. Ltd.

Camtek USA, Inc.

Rucker & Kolls

Pintail Technologies

InTest Corp.

FormFactor

Feinmetall GmbH

Test Advantage, Inc.

Kulicke & Soffa

Dynamic Test Solutions

Reid-Ashman Mfg.

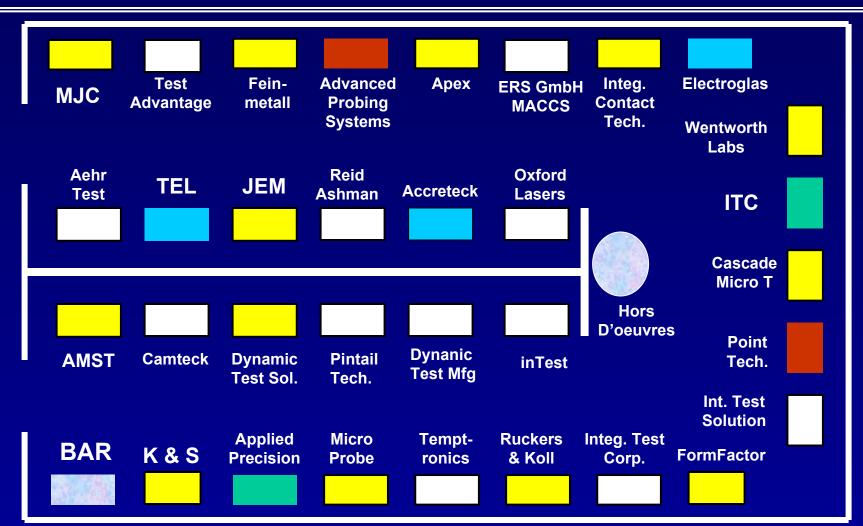
Aehr Test Systems

Tokyo Electron America

Point Technologies

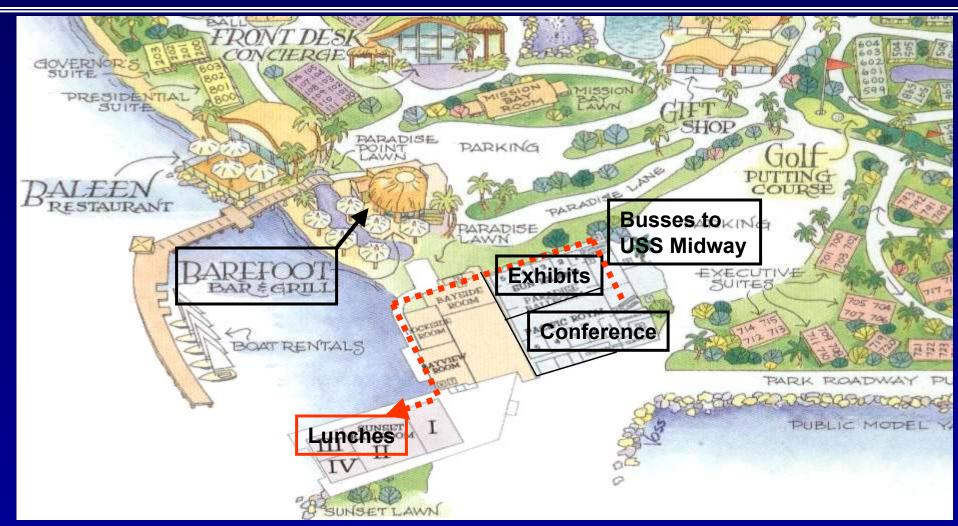


Exhibits Floor Plan



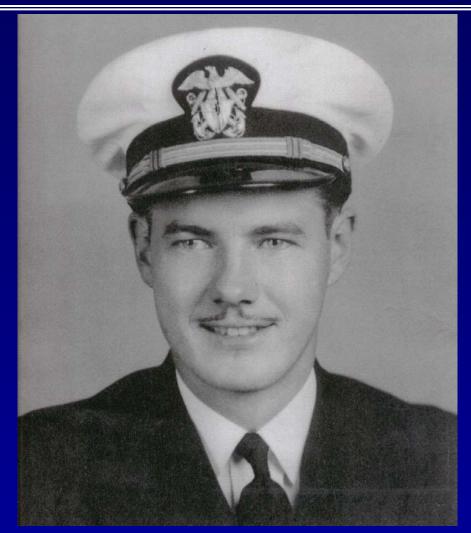


Don't Get Lost!





Lieutenant William L. Mann, US Navy, Retired 1946



"Son, what did you say you rented?"



USS Midway Aircraft Carrier





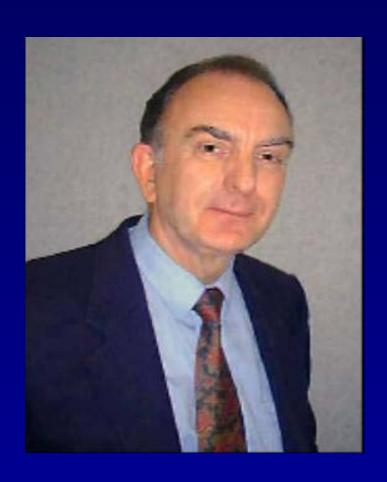


A Social Event to Remember

- Busses depart Tuesday at 1800 hours
- Cocktails at sunset on the Flight Deck
- Tour of the ship
 - Bridge
 - Aircraft Launch and Recovery Tower
 - Galley
 - Officer's and Enlisted Men's Quarters
 - Sickbay
 - Twelve position Computer Flight Simulator
- Dinner on the Hangar Deck



Probe Market Overview



Special thanks to Bob Mariner VLSI Research

The complete "2004 Probe Market Survey" can be purchased at www.vlsiresearch.com

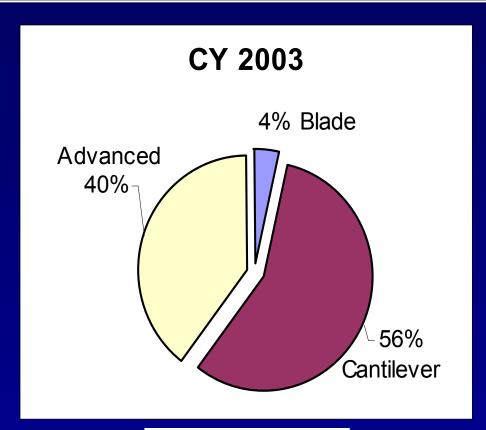


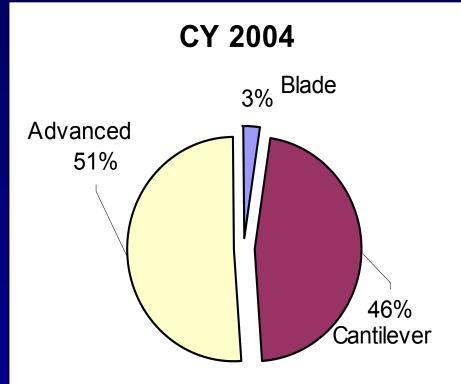
Top Probe Card Suppliers

1. FormFactor	\$178 M
2. Japan Electronic Materials	\$116 M
3. Kulicke & Soffa	\$ 65 M
4. Micronics Japan Co.	\$ 65 M
5. Tokyo Cathode Laboratory	\$ 28 M
6. MPI	\$ 21 M
6. Technoprobe	\$ 21 M
8. SV Probe	\$ 20 M
9. Feinmetall GmbH	\$ 19 M
10. Microprobe	\$ 18 M



Revenue By Technology



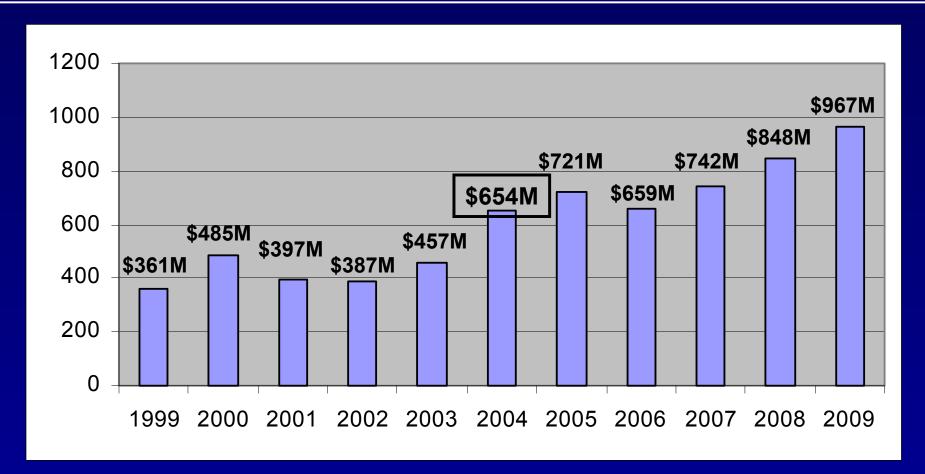


\$457 M

\$654 M



Total Probe Card Revenue



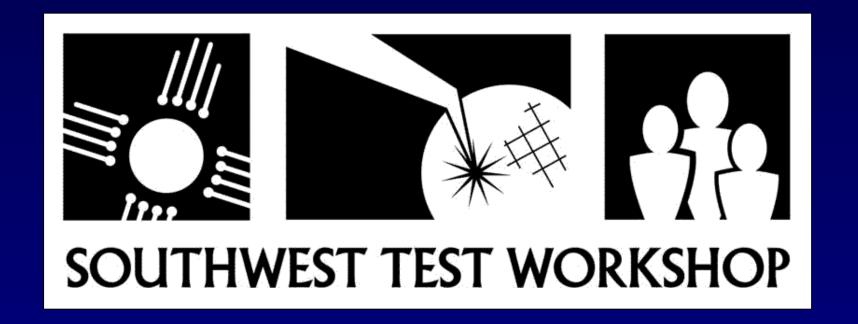
Revenue in Million US \$; Semiconductor Segment Only



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