
The Twenty-Sixth Asilomar Microcomputer Workshop

April 26 – 28, 2000

Wednesday, April 26

1:30pm Opening Remarks – Brian Berg, *Berg Software Design*, General Chair
John Wharton, *Applications Research*, Program Chair

1:45pm Technology Vehicles: Land, Sea, Air, and Space – John Wharton, Chair

- Java on Wheels
Owen Densmore, *Sun Microsystems*
- Performance Optimization in Modern Yacht Racing
Stan Honey, *Sportvision Inc.*
- Military Applications of Micro Air Vehicles
Nick Tredennick, *TechNerds International*
- Roton ATV Flight-Test Video
Gary Hudson (*in absentia*), *Rotary Rocket Company*

3:00pm Break

3:30pm System Insecurity – Marianne Mueller, *Sun Microsystems*, Chair

- Secrets
Eugene Miya, *NASA Ames Research Center*
- Restructuring DNS Around Social Principles
Eric Hughes, *Independent*
- How to Take the Internet Down for Several Days
Bill Cheswick, *Lucent Technologies*

5:00pm Reception and Dinner

7:30pm Athematic Short Talks – Bob Wedig, *Wedig Consulting*, Chair

- The State of the Art in Internet Measurement
kc claffy, *UCSD-CAIDA*
- Wiring Tonga: From the Ground Up and the Sky Down
Dewayne Hendricks, *Dandin Group*
- Mi SETI@casa != Su SETI@casa
Mark Laubach, *Inconvenient Networks*
- Video Topology
Tamara Munzner, *Stanford University*
- How the Yellow First-Down Line Works
Stan Honey, *Sportvision Inc.*
- PowerTrip: Perspectives on PowerPC
Pete Wilson, *Motorola*
- Lessons of Antitrust: A Case Study
Steve McGeady, *Intel Corp.*

10:30pm Wednesday Night Videos – Bruce Koball, *Motion West*, Veejay

Thursday, April 27

- 8:30am New-Age Servers and Search Engines** – Mark Laubach, *Inconvenient Networks*, Chair
- Scaling Ultraseek Server from Small Sites to Medium-Sized Countries
Walter Underwood, *GO.com, The Walt Disney Company*
 - Google System Architecture
David desJardins, *UC Berkeley and Google*

9:45am Break

- 10:15am Pocket-Sized Platforms** – Bob Wedig, *Wedig Consulting*, Chair
- Connecting the Physical World with the Virtual World of Computer Systems
Roy Want, *Xerox PARC*
 - Itsy Pocket Computer
Bill Hamburg, *Compaq Western Research Lab*
 - The Matchbox PC
Vaughn Pratt, *Stanford University*

11:45am Lunch

- 1:15pm Metaprocessors and Software Deconstruction** – John Wharton, *Applications Research*, Chair
- HotSpot Technology
David Stoutamire, *Sun Java Software*
 - VMware's Virtual x86 Platform.
Mendel Rosenblum, *VMware Inc.*
 - The Transmeta Code Morphing Software System
Dave Ditzel, *Transmeta Corp.*

2:45pm Break

- 3:15pm Wireless Technology Update** – Dewayne Hendricks, *Dandin Group*, Chair
- Home Networks: A Case Study of a Dysfunctional Industry
Debby Hindus, *Interval Research*
 - Mobile Telephony in Europe.
Henri Slettenhaar, *Swiss Silicon Valley Association*
 - Will End-to-End Protocols Survive?
Phil Karn, *Qualcomm*

4:40pm A Debate on the Future of Bluetooth

- **For:** Mike Cheponis, *California Wireless*
- **Against:** Dewayne Hendricks, *Dandin Group*

5:00pm Reception and Dinner

- 7:15pm Open Discussion: A *Rich* Asilomar Tradition** – Mary Eisenhart, *YOYOW*, RAT Patrol
(Ten-minute presentations on any subject you choose. Contact Mary Eisenhart any time after registration to secure your time slot, first-come first-assigned.)

Friday, April 28

5:30am Pre-Dawn Viewing of Planetary Conjunction

(Self-organized; attendance optional.)

8:00am Eponymous Microprocessor Session – Ken Shoemaker, *Intel Corp.*, Chair

- Adventures in Silicon
David Wyland, *Cradle Technologies*
- Overview of the AMD K8 "Sledgehammer"
John Sell, *Advanced Micro Devices*
- Evolution in Architecture, from 21164 to the 21464
Allan Baum, *Compaq*
- Crusoe Processor Core Design Features
Dave Ditzel, *Transmeta Corp.*

10:00am Break

10:30am Engineering for the Long Run – Brian Berg, *Berg Software Design*, Chair

- Permanent Web Publishing
David S.H. Rosenthal, *Sun Microsystems*
- The Rosetta Disk Project
Jim Mason, *The Long Now Foundation*

11:30am Conference Wrap-Up and Closing Remarks

12:00n Outdoor Barbecue Lunch (weather permitting...)

1:15pm The Use of Technology to Enforce Responsible Behavior – David S.H. Rosenthal, *Sun Microsystems*, Moderator

(Group and panel discussion involving selected Workshop attendees; details and panel composition to be announced.)

2:30pm Conference Adjourns

Program Committee

Brian Berg	Mark Laubach	Henri Slettenhaar
Fred Clegg	Stan Mazor	Fred Terman
Mary Eisenhart	Marianne Mueller	Bob Wedig
Dewayne Hendricks	David S.H. Rosenthal	John Wharton
Bruce Koball	Ken Shoemaker	Pierluigi Zappacosta
