
The Thirty-First Asilomar Microcomputer Workshop

April 20 – 22, 2005

(Motto: *Never Trust a Computer Workshop Over 30!*)

Wednesday, April 20

- 1:30pm** **Opening Remarks** – Mary Eisenhart, *YOYOW*, General Chair
John Wharton, *Applications Research*, Program Chair
- 1:45pm** **RFID Risks** – Marianne Mueller, *Stanford University*, Chair
- RFID Applications Overview and Update
Marianne Mueller, *Stanford University*
 - Cracking RFID Security
Steve Bono, *Johns Hopkins University*
 - RFID From the Washington Perspective
William Lane, *FCC, Office of Engineering and Technology*
- 3:00pm** **Break**
- 3:30pm** **The Machinery of Electronic Voting** – Michelle Aden, *Sun Microsystems*, Chair
- Pushing Forward: Voting System Standards
Rebecca Mercuri, *Harvard University*
 - Voting the Voters Can Trust
Karl Auerbach, *InterWorking Labs*
 - Electronic Voting Challenges ... and the State of Fear
Neil McClure, *Hart InterCivic, Inc.*
- 5:00pm** **Reception and Dinner**
- 7:30pm** **Thematic Short Talks** – Bob Wedig, *Wedig Consulting*, Time Keeper
- Making Interval Arithmetic Fast Yet Cheap
Nicholas Wilt, *NVIDIA*
 - Steerable, Progressive Multidimensional Scaling
Tamara Munzner, *University of British Columbia*
 - Intelligently Speaking
Dave Hampton, *Sounds Amazing!*
 - Roam Home to a Dome: Bucky Fuller in Carbondale
Dewayne Hendricks, *Dandin Group*
 - Moore's Wall
Nick Tredennick, *Noted Industry Contrarian*
 - End-to-End, Again: The Fall and Rise of "P2P"
Matthew Kaufman, *amicima*
 - What Really Happened Between Hollywood and ReplayTV?
Andrew Wolfe, *Wolfe Consulting*
 - Internet Telephony and the Confrontation with Regulation
Rob Dorfman, *EarthLink*
- 11:00pm** **Munchies and Late Night Videos!** – Bruce Koball, *MotionWest*, VeeJay

Thursday, April 21

8:15am **Microprocessors ... and Moore!** – Ken Shoemaker, *Intel Corporation*, Chair

- 3-D Wafer Stacking
Ken Shoemaker, *Intel Corporation*
- The Cell Processor: Outside the Membrane Looking In
Bob Wedig, *Wedig Consulting*
- The Niagara CPU
Allan Strong, *Sun Microsystems*
- Full-Function Miniature Computers
Craig Hughes, *Gumstix*

10:15am **Break**

10:45am **Adventures in the Blogosphere** – Mary Eisenhart, *YOYOW*, Chair

- Blogs, Feeds & Podcasting: Distributed Media Of, By, and For the People!
Eric Case, *Google, Inc.*
- Mike's Manic Minutes
Michael Lehman, *Microsoft Corporation*

11:45am **Lunch**

1:30pm **New Horizons in Media Distribution** – Tim Pozar, *Late Night Software*, Chair

- The New Economics of Content Distribution
Tim Pozar, *Late Night Software*
- Accessing Broadcast Archives
Jeff Ubois, *UC Berkeley*
- MythTV: Building a Home HDTV PVR
Bill Cheswick, *Lumeta Corporation*

3:00pm **Break**

3:30pm **PCs Gone Wild!** – Anne Mitchell, *ISIPP*, Chair

- The Missing No-Tech Spam-Fighting Component
Danny Goodman, *Author*
- Project HoneyPot: A Distributed Web-Hosted Spider Trap
Matthew Prince, *Unspam Technologies Inc.*

Ain't Nothing Like the Real Thing: Email Authentication – *Panel Discussion*

- Anne Mitchell, *ISIPP*, Moderator

Panel members to include:

- Eric P. Allman, *Sendmail, Inc.*
- Dave Rossetti, *Cisco Systems Inc.*
- Meng Wong, *SPF, EarthLink*

5:00pm **Reception and Dinner**

7:20pm **Innovators, Past and Future** – Harold Evans, *Author and Historian*, Speaker

8:00pm **Open Discussion: A Rich Asilomar Tradition** – Mary Eisenhart, *YOYOW*, RAT Patrol

(Ten-minute presentations on any subject you choose. Contact Mary Eisenhart as soon as practical after registration to secure your time slot, first-come first-assigned.)

Friday, April 22

5:30am Pre-Dawn Snipe Hunt

(Self-organized; attendance optional. Try not to step on the nests.)

8:00am “Every Place an Electron Spins, the FCC Regulates”: Governmental Roles in Regulating Technology – Dewayne Hendricks, *Dandin Group*, Chair

- FCC: A View from Six Years As A Technical Advisor
Dewayne Hendricks, *FCC Technological Advisory Council*
- FCC: An Inside View
William Lane, *FCC, Office of Engineering and Technology*
- Freedom to Connect
David Isenberg, *isen.com*
- Regulated Standards Considered Harmful
Brad Templeton, *Electronic Frontier Foundation*

10:00am Break

10:20am Barriers to Innovation – Panel and Open Group Discussion

- Nick Tredennick, *Gilder Technology Report*, Moderator

Panel members to include:

- Bill Cheswick, *Lumeta Corp.*
- Rob Dorfman, *EarthLink*
- Wendy Seltzer, *EFF -and- Berkman Center for Internet & Society*
(Additional panel members to be announced)

11:45am Closing Remarks – Mary Eisenhart, *YOYOW*, General Chair

12:15pm Outdoor Barbecue Lunch (weather permitting)

1:45pm Conference Adjourns

Program Committee

Michelle Aden
Brian A. Berg
Bill Cheswick
Fred Clegg
Mary Eisenhart
Janet Guns

Dewayne Hendricks
Bruce Koball
Stan Mazor
Anne Mitchell
Marianne Mueller
Tamara Munzner
Tim Pozar

David S.H. Rosenthal
Ken Shoemaker
Fred Terman
Bob Wedig
John Wharton
Pierluigi Zappacosta

The Program Committee would especially like to thank Janet Guns for her great assistance and tremendous patience in helping coordinate this year's Workshop.