
The Thirty-Second Asilomar Microcomputer Workshop

April 19–21, 2006

(Motto: “Who’d’a ever thought we’d overflow five bits?!?”)

Wednesday, April 19

- 1:30pm Opening Remarks** – Anne Mitchell, *ISIPP*, General Chair
John Wharton, *Applications Research*, Program Chair
David Rosenthal, *Stanford University*, Connectivity Czar
- 1:45pm System Adaptation and Intelligent Design** – John Wharton, *Applications Research*, Chair
- Sam Wood, Modern Systems Research, Inc.: *The Internet Stroger Switch: Packet Routing for Bell-Heads*
 - Dave Hylands, Broadcom: *Hobbyist Robotics*
- 2:45pm Break**
- 3:15pm Sensors and Transducers** – Tim Pozar, *Late Night Software*, Chair
- David Josephson, Josephson Engineering: *A Sound-Pressure Tensor Transducer*
 - Jano Banks, Radiient Technologies, Inc.: *Wireless Audio You’d Actually Want to Listen To*
 - Marc LeBrun, Adozu, Inc.: *An Application of Active RFID to Real-Time Location Systems*
- 4:45pm Reception and Dinner**
- 7:30pm Athematic Short Talks** – John Wharton, *Applications Research*, Timekeeper
[Assorted 20-minute talks. Speaking order subject to minor tweaks.]
- Mike Cheponis, California Wireless, Inc.: *Adventures in Random Global Synchronicity*
 - Christine Peterson, Foresight Nanotech Institute: *How the Patent System is Screwing Up Nanotechnology*
 - Nancy Blachman, Google Guide: *The Joys and Frustrations of Google*
 - John Markoff, The New York Times: *Hookah-Smoking Caterpillars*
 - Bernard Peuto, Concord Consulting: *How to Take Care of Your Own History: The Open Collecting Movement and Its Impact on Collecting Institutions*
 - Michael Levy, Prediction Marketing, Inc.: *Three Definitions of Luck*
 - Dave Hampton, SoundsAmazing: *How Systems Learn*
- 10:30pm Munchies and Late Night Videos!** – Bruce Koball, *Motion West*, Digital VeeJay

Thursday, April 20

8:30am Health Care Technology – Brian Berg, *Berg Software Design*, Chair

- Bob Horst, Tibion Corporation: *Bionic Actuators*
- Tom Rolander, Amobian Technologies: *An Engineer Approaches Home Health Care*
- Robert Sloan, Philips Applied Technologies: *Mobile Medical Monitoring*

10:00am Break

10:30am Eponymous Microprocessor Session – Ken Shoemaker, *Intel Corp.*, Chair

- Ken Shoemaker, Intel Corp.: *What's Really Inside Your Cell Phone?*
- Andrew Singer, Rapport, Inc.: *Kilocore™: A 256-Element Parallel-Processing System That Runs on Half a Watt*
- Stan Mazor, Retired: *Flashback: The Intel 4005 4-Bit Microprocessor*

11:45am Lunch

1:30pm HouseWareZ – Craig Hughes, *Gumstix*, Chair

- Craig Hughes, Gumstix: *Home LAN Security*
- David S.H. Rosenthal, Stanford University: *Linux for Grannies*
- Mark Lacas, Max Home: *Energy and Lifestyle Management*

2:45pm Break

3:15pm Candy From Strangers – Marianne Mueller, *Stanford University*, Chair

- Mark Seiden, Consultant: *The Many Flavors of Malware* – Moderator
- John Goldman, Lexar: *USB Storage Insecurity and Warm Blankets*
- Luis Villa, Beckman Center for Internet and Society: *Network Security: How We Might Solve It Ourselves, so the Lawyers Don't Try to Solve It Themselves*
- John Markoff, The New York Times: *How Anti-Virus Companies are Scaring the Pants Off PC Users*

5:00pm Reception and Dinner

7:30pm 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 21

5:30am Pre-Dawn Ark Races – Row 'em yourself!!!

(Self-organizing; attendance optional. BYOA)

8:30am Patent Abuse: Intimidation and Domination Through Patent Litigation – Anne Mitchell, ISIPP, Chair

- Jerry Klein, The Chatham Group: *“PTO” Doesn't Have to Stand for the “Pirates and Trolls Office”*
- Zack Higgins, Kirkland & Ellis LLP: *Oh, the Patent Games People Play*
- Subroto Bose, Orrick, Herrington & Sutcliffe: *Pay No Attention to the Troll Beneath that Bridge!*

10:00am Break

10:30am Whither Goeth the Net? Panel and group discussion and on the future of Internet governance, neutrality, business models, defenses against preëemptive attack, etc.

- Bill Cheswick, *Lumeta* – Moderator
- Panel members to include:
- Eric Allman, *Sendmail, Inc.*
 - Robert Chew, *Chew and Chew Partners*
 - Michael Fischer, *Santa Clara University*
 - David Newman, *Recovering V.C./Consultant*

11:45am Closing Remarks – Anne Mitchell, ISIPP, General Chairman

12:15pm Outdoor Barbecue Lunch (weather permitting)

1:30pm Conference Adjourns

Program Committee

Michelle Aden		David S.H. Rosenthal
Brian A. Berg	Craig Hughes	Ken Shoemaker
Bill Cheswick	Bruce Koball	Fred Terman
Fred Clegg	Stan Mazor	Qarin Van Brink
Mary Eisenhart	Anne Mitchell	Bob Wedig
Janet Guns	Marianne Mueller	John Wharton
Dewayne Hendricks	Tim Pozar	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.