
The Twenty-Eighth Asilomar Microcomputer Workshop

April 24 – 26, 2002

Wednesday, April 24

- 1:30pm Opening Remarks** – Mary Eisenhart, *YOYOW*, General Chair
John Wharton, *Applications Research*, Program Chair
- 1:45pm Digital Rights and Abuses** – Dewayne Hendricks, *Dandin Group*, Chair
- The Digital Rights Management Dark Age
Seth David Schoen, *EFF*
 - Perspectives on the Napster Litigation
A.J. "Nick" Nichols, *Probitas Corp.*
 - Are the Tools the Rules? The Future of the Digital Commons
Dewayne Hendricks, *Dandin Group*
- 3:10pm Break**
- 3:30pm Broadband for the Last Mile** – Brian Berg, *Berg Software Design*, Chair
- The Bandwidth Imperative: Why We Need It, How We Can Get It
Mark Heyer, *HeyerTech*
 - Is Fiber Optics the Broadband Solution for the Home and SOHO?
Bob Stillman, *RAS Consulting*
 - There's Lots of Effective Bandwidth Available If You Know How to Use It
Gene Kan, *Sun Microsystems*
- 5:00pm Reception and Dinner**
- 7:30pm Athematic Short Talks** – Bob Wedig, *Wedig Consulting*, Time Keeper
- Observations from the Beginnings of the Internet
Dave Walden, *Internet Pioneer*
 - Better Living Through Fiber
David S.H. Rosenthal, *Sun Microsystems Labs*
 - GNU Radio: A Free-Software Defined Radio
Eric Blossom, *Blossom Research*
 - Movers and Shakers in Artificial Muscle Technology
Robert Horst, *HT Consulting*
 - The Budapest Manifesto
Vicky Reich, *Stanford University Libraries*
 - Digital Rights
Gene Kan, *Sun Microsystems*
 - Actual Interfaces
Tom Jennings, *World Power Systems*
 - Byzantium 550AD
Paulina Borsook
- 11:00pm Wednesday Night at the Movies** – Bruce Koball, *MotionWest*, Projectionist

Thursday, April 25

8:15am Eponymous Microprocessor Session – Ken Shoemaker, *Intel Corp.*, Chair

- The Death of Scaliarity
Mitch Alsup, *AMD*
- Computer Architecture 2000–2025: A Retrospective
Andy Glew, *Intel Corp.*
- Dealing with the Soaring Challenges of Lithography Masks
Stan Mazor, *Numerical Technologies, Inc.*

10:00am Break

10:30am Growing the Global Village – Michelle Aden, *Sun Microsystems*, Chair

- Packets from Across the Digital Divide
Jon Katz, *Cornell University*
- Metadata Standards: A Foundation for Future Ecological Asset Value
Bill Coleman, *Electric Power Research Institute*
- Energy Sources for High-Performance Electric Vehicles
Rex Dawson, *Automotive Concepts & Technology, Inc.*

12:00n Lunch

1:30pm Sensors: Low-Cost, High-Impact – Tamara Munzner, *Compaq Systems Research Center*, Chair

- Ultrasonic Detection of Broken Rail
Ken Schwartz, *Bay Area Rapid Transit R&D*
- Sensors and Networks at Home
Bill Cheswick, *Lumeta Corp.*
- Vision for the Robotic Masses
Illah Nourbakhsh, *The Robotics Institute, Carnegie-Mellon University*
- Slamming Pressure Sensors into Mars
Kurth Reynolds, *Synaptics*

3:15pm Break

3:45pm Managing Technologists, Herding Cats – Stan Mazor, *Numerical Technologies, Inc.*, Chair

- Managing Creativity: The Development of Technical Individuals and Teams
Dave Walden
- Management Credibility: What Technologists Need vs. What They're Getting
John V. Levy, *John Levy Consulting, LLC*

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 any time after registration to secure your time slot, first-come first-assigned.)

Friday, April 26

5:30am Pre-Dawn Comet Watch

(Self-organized; attendance optional.)

8:15am Homeland Insecurity – Pierluigi Zappacosta, *Digital Persona non-grata*, Chair

- Biometrics Applications, System Design, and Performance Evaluation
Salil Prabhakar, *Digital Persona*
- Biometrics Testing and Standards
Jim Wayman, *San Jose State University*
- We Know Where You Are: 3D Visual Person Tracking
John Woodfill, *Tyzx, Inc.*

10:00am Break

10:30am H-P Wars, High-Tech Mergers, and other Board Room Shenanigans – Ted Laliotis, *Laliotis & Associates*, Moderator

Panel session (remarks followed by discussion). Panelists to include:

- Ted Laliotis, *Laliotis & Associates*
- Jason Pontin, *The Red Herring*
- Regis McKenna, *The McKenna Group*

11:45am Conference Wrap-Up and Closing Remarks

12:15pm Outdoor Barbecue Lunch (weather permitting)

2:00pm Conference Adjourns

Program Committee

Michelle Aden	Bruce Koball	Ken Shoemaker
Brian A. Berg	Stan Mazor	Fred Terman
Fred Clegg	Tamara Munzner	Bob Wedig
Mary Eisenhart	Tim Pozar	John Wharton
Dewayne Hendricks	David S.H. Rosenthal	Pierluigi Zappacosta

Additional thanks to Mike Cheponis for arranging Radio KaFKA; to Janet Guns for administrative support; and to Ted Laliotis for organizing and moderating the Friday-morning panel discussion.

Note to sidewalk stargazers: Weather permitting, this year brings two astronomical phenomena of note. A rare quintuple planetary conjunction will be visible Wednesday and Thursday evenings, with Mercury low in the western sky at twilight, and Venus, Mars, Saturn, and Jupiter forming a line arcing to the south. Also, Comet Ikeya-Zhang may be visible in the hours before dawn Thursday and Friday mornings. Look to the north, between the constellations Cygnus and Cassiopeia.