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# The Twenty-First Annual Asilomar Microcomputer Workshop

April 19 -- 21, 1995

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## Wednesday, April 19

1:30 -- 1:40pm Opening Remarks -- John Wharton, Applications Research, General Chair

1:40 -- 3:15pm Home LANs: Device-Oriented Networking -- Brian Berg, Berg Software Design, Chair

- A Thousand Nodes of Light (and Sound) -- John Chester, Consultant
- Integrating Personal Entertainment, Communications, and Computing -- Gary Hoffman, SkipStone, Inc.
- Chip Design for Set Top Boxes -- Frank Schwartz, Mainstream Control, Inc.
- Actual Reality: Humanizing Technology -- Mark Lacas, Lone Wolf

3:45 -- 4:45pm Post-Industrial Robots -- Mary Eisenhart, MicroTimes, Chair

- Co-Opting Cold-War Technology -- Rob Kennedy, The Ultimax Group
- Moore's Law in the Minefield -- John Walker, Megalon
- De-Mining Robot Technology -- Jean-Daniel Nicoud, Swiss Federal Institute of Technology

7:30 -- 10:00pm Athematic Short Talks -- Robert Wedig, Wedig Consulting, Chair

- Gaming as a Driver of Technology -- Al Alcorn, Silicon Gaming
- iPower Semiconductor-Based Cryptographic Solutions for Electronic Security -- Gordon Force, National Semiconductor
- PCMCIA Devices Using Reconfigurable Logic -- Mark Cummings, EnVia
- Beyond HSM: You Can't Manage Gigabytes the Way You Manage Megabytes
- Tom Rolander, PG Soft
- IrDA & Infrared Data Communications: All Heat and No Light? -- Mike Cheponis, California Microwave
- The Computer History Association of California and What It's Trying to Do -- Kip Crosby, Computer History Association of California
- Filmcraft and User Interface Design III -- Chuck Clanton, Aratar

10:15 -- 11:30pm Wednesday Night at the Movies -- John Wharton, Applications Research, Chair

- Making the First All-Digital Production and Why -- Robert Miller, Pure Grain Digital Productions
- Computer Graphics for Special Effects -- Eric Enderton, Industrial Light and Magic

## Thursday, April 20

8:30 -- 10:00am Microprocessors -- Michael Slater, MicroDesign Resources, Chair

- Challenges for Superscalar x86 Execution -- Fred Weber, NexGen
- The K5: AMD's First Fully-Independent x86 Design -- Mike Johnson, AMD

- It's the Pipeline, Stupid -- Andy Glew, Intel Corp.
- A Hybrid Architectural Model to Exploit Instruction Level Parallelism -- Kevin Rudd, Stanford University

10:30 -- 12:00n Device Technology and Design Tools -- Bruce Koball, Motion West, Chair

- Behavioral Synthesis -- Charlie Smith, Synopsys
- Delay Effects in Deep Submicron Technology -- Clive (Max) Maxfield, Intergraph Electronics
- Next-Generation Packaging Technologies -- John Novitsky, MicroModule Systems

1:30 -- 2:45pm The BB and the Beach Ball -- Nick Tredennick, Altera, Chair

- Limits to CPU Performance -- Martin Reynolds, DataQuest
- Desktop Wars -- Keith Diefendorff, Mororola
- OS Wars -- Bob Cousins, AIM Technology

3:15 -- 4:45pm Are We Digitizing the Richness Out of Life? -- A.J. (Nick) Nichols, Probitas, Chair

- What Do You Mean, Digitizing? What Do You Mean, Richness? -- Leonard Laub, Vision Three
- It Ain't Just Rocket Science -- Gary Schwede, Stream Computers, Inc.
- A Menu is Not the Same as a Cookbook Which is Not the Same as a Meal -- Experiences in Fine Arts Museums with Digital Technologies -- Steve Mayer, San Francisco Museum of Modern Art

7:00 -- 7:30pm Remembering Gary -- Bruce Koball, Motion West, Coordinator

7:30 -- 11:00pm+ Open Discussion: A Rich Asilomar Tradition -- Mary Eisenhart, MicroTimes, RAT Patrol (Contact Mary after registration to request a 10-minute time slot to speak on any subject you wish. Slot assignments will be first-come-first-served.)

## Friday, April 21

7:00 -- 8:00am Self-Guided Beachwalk  
[Attendance optional]

9:00 -- 11:30am Asilomar Comes of Age: Sex, Censorship, and Cyberspace -- Jim Warren, Chuck Clanton, Cary Kornfeld, Marianne Mueller, Chairpeople

9:00am Facts and Issues

- Psychological, Sociological, and Medical Issues -- Chuck Clanton, Aratar
- Some Measures of Apparent Erotica in Cyberspace -- Marianne Mueller, Sun Microsystems
- Erotica Sells: A Survey of the Business (Multimedia and CD-ROM) -- Marie D'Amico, Attorney/Writer
- Legislative and Political Issues -- Jim Warren, GovAccess, MicroTimes, BoardWatch, etc.

10:10am Problems and Perspectives (Panel Discussion)

- Legal Problems for Computer-Based Adult Material Providers -- Jeffrey J. Douglas, Free Speech Coalition
- Old and New Law Enforcement Perspectives -- Frank Dudley Berry, Jr., Deputy D.A. of Santa Clara County
- Protecting Freedom of Expression on the Net -- Bobby Lilly, Californians Against Censorship Together
- Production Aspects of Adult Entertainment -- Nina Hartley, Free Speech Coalition

11:00am Technological Solutions (Moderated Discussion by Workshop Attendees)

11:30 -- 11:45am Conference Wrap-Up and Closing Remarks

12:00 -- 1:30pm Outdoor Barbecue Lunch (weather permitting...)

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**Program Committee:**

Brian Berg -- Marc Kaufman -- Michael Slater  
Brian Case -- Bruce Koball -- Fred Terman  
Chuck Clanton -- Cary Kornfeld -- Nick Tredennick  
Fred Clegg -- Ted Laliotis -- John Wakerly  
Mary Eisenhart -- Stan Mazor -- Jim Warren  
Dewayne Hendricks -- Marianne Mueller -- Bob Wedig  
Ted Kaehler -- A.J. (Nick) Nichols -- John Wharton  
Ken Shoemaker

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