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# The Nineteenth Annual Asilomar Microcomputer Workshop

April 28 -- 30, 1993

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## Wednesday, April 28

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

1:40 -- 3:00pm Technology Update: Interface Standards -- John Wakerly, Alantec, Chair

- Joe Decuir, Microsoft Corporation: The State of the Art in Dial-Up Communications
- Dave Newman, Alantec: 100 MBPS LANs
- Dan Bezzant, Cirrus Logic, Inc.: PCMCIA Design and Applications

3:30 -- 5:00pm Technology Update: The Software Crisis -- John Wakerly, Alantec, Chair

- John Nagel, Stanford University: The Programming Language Mess
- Mark G. Lentzner, Glyphic Technology: Implementing the Future: A Language Designer's View
- Jack Grimes, Taligent, Inc.: Programming the Colossal

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

- Mark Lacas, Lone Wolf: Virtual Reality for Network Control
- Julian Uschersohn, Hitachi Micro Systems Incorporated: Chaos, Fuzzy, and Logical Paradoxes
- David S.H. Rosenthal, Sun Microsystems: What's Really Interesting About Plan 9
- John Wakerly, Alantec: Successful Hardware Design Without CAD
- Dan Shapiro, Stanford University: The Astronaut and the Banana Peel Revisited
- Mike Cheponis, California Wireless: The RF/Biology Connection: Should I Trash My Cellular Phone?
- Pete Wilson, Groupe Bull: Architectural Requirements of PDA-Style Products
- Rick Parfitt, Apple Computer: Speech Recognition: Is it Here Yet?
- Tom Rolander, Novell, Incorporated: Is There a Future to Heterogeneous Computing?

## Thursday, April 29

8:30 -- 10:00am Hot New Micros -- Michael Slater, MicroDesign Resources, Chair

- Mitch Alsup, Ross Technology: A Processor Which Will Never Be Built
- Ken Shoemaker, Intel Corporation: The Intel Pentium Microprocessor
- Keith Diefendorf, Motorola: The PowerPC Microprocessor

10:30 -- 12:00n Visual Media Formats and Standards -- Brian Berg, Berg Software Design, Chair

- John Ciccarelli, Adobe Systems: Adobe Acrobat: Breaking Out of ASCII Jail
- Steve McGeedy, Intel Corporation: Digital Video for Fun and Profit
- John Sell, The 3DO Company: 3DO: A Real Multimedia Standard?

1:30 -- 3:00pm Pocket Widgets & Personal Electronics -- Dewayne Hendricks, Tetherless Access Ltd., Chair

- Chuck Berman, EO Inc.: Personal Communicators: Present Implications, Future Possibilities
- Jim Valerio, Intel Corporation: Pocket Gizmos from a Software Engineer's Perspective
- Mark Cummings, SRI International: Applications for Personal Communicators and Pocket Gizmos

3:30 -- 5:00pm Patents, Copyrights, and Witchcraft -- Brian Berg, Berg Software Design, and Jerry Klein, The Chatham Group, Co-Chairs

- David Hayes, Fenwick & West: Look and Feel: The State of the Law
- Gary Reback, Wilson, Sonsini, Goodrich & Rosati: Reverse Engineering and Disassembly: The State of the Law
- Ronald Laurie, Weil, Gotshal, and Manges: Software Patents: The State of the Law
- Mark Radcliffe, Ware & Freidenrich: MultiMedia: Impacts and Implications of the Law

7:00 -- 7:30pm A Debate on the Future of Intel

- Michael Slater, MicroDesign Resources: A Scenario for Impending Decline
- Nick Tredennick, Tredennick, Inc.: A Scenario for Continuing Growth

7:30 -- 11:00pm+ Open Discussion: A Rich Asilomar Tradition -- Mary Eisenhart, MicroTimes, TimeMaster.  
(Contact Mary any time after registration to reserve a 10-minute time slot.)

## Friday, April 30

7:30 -- 8:30am Self-Guided Beachwalk  
[Attendance optional]

9:00 -- 10:30am Cryptography: Technology and Policy Issues -- Jim Warren, MicroTimes & Autodesk, Inc., Chair

- Whitfield Diffie, Sun Microsystems: Cryptography and Public Policy
- Philip Zimmermann, Boulder Software Engineering: The Politics and Technology of Pretty Good Privacy
- John Gilmore, Cygnus Support: Cypherpunk Deployment of Cryptography

10:45 -- 11:45am Cyberspace vs. the Real World -- Jim Warren, MicroTimes & Autodesk, Inc., Chair

- Shari Steele, The Electronic Frontier Foundation: The Electronic Frontier as Seen from the Beltway
- Jim Warren, MicroTimes & Autodesk, Inc.: Update on Computers, Freedom & Privacy Issues

11:45am Conference Wrap-Up and Closing Remarks

12:00n -- 1:30pm Outdoor Barbeque Lunch and Discussion (weather permitting...)

2:30 -- 5:30pm Field Trip to the Monterey Bay Aquarium Marine Research Facility in Moss Landing -- Ted Laliotis, Hewlett-Packard, Trip Coordinator

(Space may be limited; contact Ted or sign up at or after registration. Participants are to provide their own transportation to Moss Landing, and will depart directly for home thereafter.)

**Program Committee:**

Brian Berg -- Marc Kaufman -- Fred Terman  
Brian Case -- Bruce Koball -- Nick Tredennick  
Chuck Clanton -- Ted Laliotis -- John Wakerly  
Fred Clegg -- Stan Mazor -- Jim Warren  
Mary Eisenhart -- Ken Shoemaker -- Bob Wedig  
Dewayne Hendricks -- Michael Slater -- John Wharton

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