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# The Twenty-Ninth Asilomar Microcomputer Workshop

April 23 – 25, 2003

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## Wednesday, April 23

- 1:30pm Opening Remarks** – Mary Eisenhart, *YOYOW*, General Chair  
John Wharton, *Applications Research*, Program Chair
- 1:45pm RFID: Overview, Technology, and Use** – Owen Densmore, *ComplexityWorkshop*, Chair
- RFID Overview  
Owen Densmore, *ComplexityWorkshop*
  - RFID Technology  
Stephen Smith, *U.C. Berkeley and Alien Technologies*
  - RFID Consumer Applications  
Robert Sloan, *Syngensis*
- 3:00pm Break**
- 3:30pm Wireless in the Tall and Uncut** – Dewayne Hendricks, *Dandin Group*, Chair
- So What's the FCC Done to Us Lately?  
Dewayne Hendricks, *Dandin Group*
  - The Pedal-Powered Internet  
Lee Felsenstein, *Golemic, Inc.*
  - Wireless in Remote Areas  
Dave Hughes, *Old Colorado City Communications*
- 5:00pm Reception and Dinner**
- 7:30pm Athematic Short Talks** – Bob Wedig, *Wedig Consulting*, Time Keeper
- BARWN: An Experiment in MAN Deployment of Licensed Exempt Radios for Multiple Use – Tim Pozar, *Bay Area Research Wireless Network*
  - An Idiosyncratic Introduction to Bioinformatics  
Howard Cohen, *Cohen Software Consulting, Inc.*
  - ADAM: A Decentralized Abstract Machine  
Andrew "Bunnie" Huang, *Xenatera Partners*
  - The Politics of Spam  
Gary Kremen, *Grant Media LLC*
  - Introducing a Patented Client/Server, Java-based, Interactive, Competitive Knowledge Game on the Web – Pete Antoniak, *EdUGames*
  - Simulating Real Intranets with Honeyd  
Bill Cheswick, *Lumeta*
  - Building an Intelligent Home with VNOs  
Ophir Ronen, *Singlestep Technologies*
  - What if Bugs in Your Software Could Result in Torture and Killing?  
Tom Rolander, *Benetech*
- 10:30pm Wednesday Night Videos** – Bruce Koball, *Motion West*, VeeJay

## Thursday, April 24

**8:00am Free Access to Literature** – Brian Berg, *Berg Software Design*, Chair

- What is Open Access?  
Peter Suber, *Earlham College*
- Open Access: Unlocking the Value of Research  
Rick Johnson, *The Scholarly Publishing & Academic Resources Coalition*
- What is a Library Anymore, Anyway?  
Vicky Reich, *Stanford University*
- The Internet Bookmobile  
Ashley Rindsberg, *Internet Archive*

**10:00am Break**

**10:30am Network Security: Are We Prepared for Today's Realities?** – Michelle Aden, *Sun Microsystems*, Chair

- Curious Yellow: The First Coordinated Worm Design  
Brandon Wiley, *The Foundation for Decentralized Research*
- Linux FreeS/WAN: Open Source Security for the Rest of Us  
Hugh Daniel, *The FreeS/WAN Project*
- Cybersecurity in the New World Order  
Rebecca Bace, *Trident Capital*

**12:00n Lunch**

**1:30pm Separating the Spam from the Eggs and Bacon** – Bob Wedig, *Wedig Consulting*, Chair

- Habeas: Trespassers Will be Prosecuted  
Anne Mitchell, *Habeas.Com*
- Next Generation Spam Fighting Techniques  
Karl Jacob, *Cloudmark*
- Five Hundred Billion Scanned: Designing a Large-Scale Anti-Spam Filter  
Art Medler, *Brightmail*

**3:00pm Break**

**3:30pm Future Shock: The Changing Shape of Things to Come** – Tim Pozar, *Late Night Software*, Chair

- The Future of the Past: The Real History of Moore's Law  
John Markoff, *The New York Times*
- The Future Sucks: Innovation and Conformity in a Microsoft World  
Douglas Crockford, *Faceless Corporation*
- Utopia Appropriated: The Future as it Never Was  
Rick Prelinger, *The Prelinger Archives*

**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 25

**5:30am Pre-Dawn Beach Walk**

*(Self-organized; attendance optional.)*

**8:00am Making the Most of Modern Microprocessors** – Ken Shoemaker, *Intel Corp.*, Chair

- Feedback-Directed Optimization Strategies for Open-Source Compilers and Software Development – Robert Myers, *Rustuck.Com*
- Design and Experience: Using the Intel Itanium 2 Processor Performance Monitoring Unit to Implement Feedback Optimizations  
Kevin Rudd, *Intel Corp.*
- Tales of Optimizing Algorithms for Modern Microprocessors  
Terje Mathisen, *Hydro*
- Modern Graphic Processor Architectures  
Steve Purcell, *nVidia*

**10:00am Break**

**10:30am Panel discussion: "It's Hard to Make Predictions — Especially About the Future"** – Tim Pozar, *Late Night Software*, Chair

Panel moderated by:

- John Markoff, *The New York Times*

Panel members to include:

- Douglas Crockford, *Faceless Corporation*
- Rick Prelinger, *The Prelinger Archives*
- Paul Saffo, *Institute for the Future*

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

**12:15pm Outdoor Barbecue Lunch** (weather permitting)

**2:00pm Conference Adjourns**

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### Program Committee

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

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