
The Thirty-Sixth Asilomar Microcomputer Workshop

April 28 – 30, 2010

(Motto: Hitting the Wall)

Wednesday, April 28

- 1:30pm** **Opening Remarks** – Marianne Mueller, *General Chair*
- 1:45pm** **Obstacles on the Road to Data Integrity** – Brian A. Berg, Berg Software Design, *Chair*
- Tom Coughlin, Coughlin Associates: *Reliability and Recovery: How Can We Make Better Storage Devices?*
 - David Rosenthal, Stanford University Libraries: *Storing Bits: How Hard Can It Be?*
 - Suzanne Fischer, The Henry Ford: *Digital Preservation at Cultural Institutions*
- 3:15pm** **Break**
- 3:45pm** **Towards Programmable Biology** – Christine Peterson, Foresight Institute, *Chair*
- Kay Aull, DIYbio: *Is Life Hackable? Postcards from the Edge of Synthetic Biology and DIY Bio*
 - Mike West, BioTime, Inc.: *Immortal Cells: The Prospect of Regenerative Medicine*
- 4:45pm** **Three Freds and a Ted and an Ed** – Ed Roberts and AMW –
Brian A. Berg, Berg Software Design, *Chair*
- Fred Terman, Naval Postgraduate School
 - Fred Clegg, Clegg Flight Instruction
 - Carl Helmers, helmers.com
 - Lee Felsenstein, Fonly, LLC
- 5:15pm** **Reception and Dinner**
- 7:30pm** **Athematic Short Talks** – Bob Wedig, Wedig Consulting, Inc., *Chair*
- Mark Klein, IMMI: *Big Brother Is In Your Pocket And He Knows What You Are Watching*
 - Tone Norloff, Tekna: *Improving the Daily Commute: Public Transport in the Oslo Area*
 - Warren Stringer, Muse.com: *Yo (Why Twitter is Too Verbose)*
 - Robert Kennedy, The Ultimax Group, Inc.: *The Real Goldeneye*
 - David Shier, CK Technologies, Inc.: *Harnessing Computer Technology to Modernize Wire Harness Testing*
 - Clark Dodsworth, Osage Associates: *Context is King*
 - Sarah Gvestvang: *Let Kids Blow Things Up*
 - Tom Rolander, Crossloop, Inc.: *An Old EE Has 15 Minutes to Inspire New EE Grads*

Thursday, April 29

- 8:30am Eponymous Microprocessor Session** – Ken Shoemaker, Intel Corp., *Chair*
- Karl Mathia, Zitech Engineering: *Robotics for Electronics Manufacturing: Past, Present, Future*
 - Art Stamness, DVApps, Inc.: *Logic Simulation with One Billion Gates: x86 Can't Do This!*
 - Axel Kloth, Parimics, Inc.: *Massively Parallel Packaging Trends*
- 10:00am Break**
- 10:30am Things That Go Bump In The Night: Guarding the Digital Castle** – Michelle Aden, *Chair*
- Greg Rose, Qualcomm, Inc.: *Stream Ciphers*
 - Anton Sabev, Intel Corp.: *Fifty Ways to Crack DRM*
 - Jim Hughes, Huawei Technologies Co., Ltd.: *Tamper Responsive Integrated Circuits*
 - Dan Kaminsky, IOActive: *Adventures in Computation*
- 12:00pm Lunch**
- 1:30pm Evolution of Publishing** – John Markoff, New York Times, *Chair*
- Mitchell Levy, Happy About, Inc.: *Quickly Demonstrating Thought Leadership*
 - Glen Campbell, Yahoo!: *Shakespeare Got To Get Paid: Fragmentation and Aggregation in the Publishing Industry*
 - John Markoff, New York Times: *Panel with a Cast of Thousands: David Rosenthal (Academic Publishing); Stan Mazor (Self-publishing); Mary Eisenhart (In the Trenches); Bill Cheswick (iPad to the Rescue); Marianne Mueller (Advertising Statistics); and others ...!*
- 3:30pm Break**
- 4:00pm Nukes Will Power the Planet ... Or Will They?** – Robert Kennedy, Ultimax, *Chair*
- Paul Monus, BPXA: *20 TW of Carbon Free Energy (Solar or Thorium) by 2025: Is a 2nd Manhattan Project Needed?*
 - Christine Cockey, Symbiotic Storage: *Space Reactors*
 - Robert Kennedy, The Ultimax Group, Inc.: *Launching Solar Energy Projects, Carbon Targets and Single Stream Recycling: Climate Change and the Oak Ridge City Council*
- 5:30pm 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 30

5:30am Pre-Dawn ISS and Iridium flare watch – (self-organizing; attendance optional)

- Check current position from iPad: www.heavens-above.com
- Gather at northwestern tide pools (*BTW BYO iPad*)

8:30am Science of Green – Lorette Cheswick, cheswick.com, *Chair*

- Marianne Mueller, [mrm consulting](http://mrmconsulting.com): *Science of Soil*
- Lorette Cheswick, cheswick.com: *Quantitative Tools for the Garden*
- Keith Lofstrom, *Server Sky: Put Grey Computing Things Into Orbit: Green Energy Isn't Green, But Space Energy Is*

9:30am Break

10:00am Design is Dead – Long Live Design – Brian A. Berg, Berg Software Design, *Chair*

- Andrew Cromarty, City Lights Network: *The Death of Product Design*
- John Feland, Stanford University:
Bill Joy Was Wrong: The Future Needs Us, Desperately, to Design It
- Chuck House, Media X@Stanford: *Holistic Design: The Elusive Elixir*
(*These talks will be followed by an interactive roundtable discussion.*)

11:45pm Closing Remarks – Marianne Mueller, *General Chair*

12:15pm Lunch

1:45pm Workshop Adjourns

Program Committee

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

www.amw.org

Special thanks to Etón Corp. (www.etoncorp.com) for special pricing on this year's hand-crank radio freebie, and special thanks to Michelle Aden for securing and AMWizing the freebies!