Workshop
The 2001 Vail Computer Elements
Vail, Colorado
June 24-27, 2001
Sponsored by
IEEE Computer Society

The following is the outline of sessions for the Vail 2001 workshop as of March, 2001.

For further information please contact:
Jerry Merckel
Phone: (904) 620-1350
Fax: (904) 620-2385
Email: gmerckel@unf.edu

Sunday Afternoon / Evening, June 24

4:00pm - 5:00pm - Technical Committee Meeting in Sarah's Lounge (all welcome)

5:00pm - Social Hour Followed by Dinner

8:00 pm - Evening Keynote Addressi given by:
Bob Guernsey, IBM & Allan Knies, Intel

- Three Perspectives on the technological future and how it will change our lives.
  Rich Gold, Xerox PARC
  William Pulleyblank, IBM
  Ted Selker, MIT Media Lab

Monday, June 25

8:15 am - 8:30 am - Announcements and Introductions

8:30 am - 12:00 noon

Session 1 - Communications

Ray Barrett, Consultant & David Baker, BOPS

- VOIP-Voice Over the Internet
  James A. Simak, ECI Telecom
- Communication Trends
  Ray Barrett, Consultant
• VOIP Real Time Frameworks
  Frank Barry, BOPS
• Orthogonal FDM for Wireless Networks
  Ali Sadri, BOPS

1:00 pm - 4:30 pm

Session 2: Servers

Linton Ward, IBM & Alan Charlesworth, Sun Microsystems

• Server Directions
  Alan Charlesworth, Sun Microsystems
• Modular Servers
  Dave Bottom, Intel
• Quantum Devices
  Rahim Khoie, University of North Florida
• Sun Fire Servers
  Alan Charlesworth, Sun Microsystems

8:00 pm - 10:00 pm

Session 3: Crypto

Jim Hughes, Storage Tek & Jack Bigham, General Dynamics Electronics Sys.

• Cryptography In Systems
  James P. Hughes, Storage Technology Corp.
• Factoring Large Numbers
  Paul C. Leyland, Microsoft Research Ltd.
• High Performance Computer Architecture
  Michael H. Merrill, National Security Agency
• Quantum Computing -Security of Public-Key Encryption Systems
  Tatsuaki Okamoto, NTT Labs

Tuesday, June 26

8:15 - 8:30 - Announcements

8:30 am - 12:00 noon

Session 4: Display Technology & Human Interface

Michinori Nishihara, IBM & Zenzo Tajima, Hitachi

• TFT Displays for PCs
  Zenzo Tajima, Hitachi
• TFT Displays for Industrial Applications
Shigehiko Satoh, NEC
• Organic Light Emitting Diodes
  David J. Williams, Eastman Kodak
• MicroDisplay Technology
  for Near-Eye Computer Applications
  Rajan Kapur, Zight

Tuesday afternoon:

Free for individual interaction, recreation and planning.

8:00pm - 10:30pm

Session 5: Radical New Storage

Robert Montoye, IBM & Renato Recio, IBM
• Extremely High Density Magnetic Recording
  Yoshimasa Miura, Fujitsu
• Limits of Magnetic Recording
  David Thompson, IBM
• Probe Storage
  Marty Frary, Storage Technologies
• Storage Technology Trends
  Rumi Zahir, Intel

Wednesday, June 27

8:30am - 12:00 noon

Session 6: Internet Appliances

John Sell, AMD & Dave Strube, BOPS
• PDA Video Processing
  Doina Petrescu, BOPS
• The Digital Home
  Don Gray, Microsoft
• Internet Appliance Applications
  John Alexander, University of North Florida
• Wireless Internet Requirements
  Dave Strube, BOPS

Contacts & Registration

Contacts for the 2001 Vail Computer Elements Workshop chairs are available on the Vail 2001 contacts page.
Steering Committee:
Jeff Yetter, Hewlett Packard
Jerry Merckel, University of North Florida
Joel Boney, HP
Frank Mikalauskas, Compaq
John Polhemus, Consultant
Ron Bell, MicroLinear
Douglas Westcott, IBM
Michinori Nishihara, IBM

General Chair:
Jeffry D. Yetter
Hewlett Packard Company
MS 55-6UP2
3404 East Harmony Road
Fort Collins, Colorado 80525
970-898-3249
FAX: 303-898-6439
jeff_yetter@hp.com

Program Chair:
Frank Mikalauskas
Compaq Computers
MS 003-10
19333 Vallco Parkway
Cupertino, CA 95014-2599
408-285-6547
FAX: 408-285-6230
frank.mikalauskas@compaq.com

Program Past Chair:
Joel Boney
HP
3404 East Harmony Road, MS 55-6UN3
Fort Collins, CO 80525-9599
970-898-6518
FAX: 970-898-6912
boney@fc.hp.com

Program Co-Chair:
R. Brad Older
Intel
2800 Center Drive
DuPont, WA 98327
253-371-8648
brad.older@intel.com

Asia Pacific Chair:
Michinori Nishihara
IBM
800 Ichimiyake, Yasu-cho
Ysu-gun, Shiga-ken, 520-2392 Japan
0775-87-4551
FAX: 0775-87-0458
michi@computer.org