

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 Address 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:

Jeffrey D. Yetter
Hewlett Packard Company
MS 55-6UP2
3404 East Harmony Road
Fort Collins, Colorado 850525
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

Finance Chair:

John T. Polhemus
Consultant
3115 South York Street
Englewood, Colorado 80110
303-781-6190
FAX:303-781-9405
polhemus@stripe.colorado.edu

Arrangements Chair:

Ron Bell
MicroLinear
2092 Concourse Drive
San Jose, CA 95131
408-433-5200 ext427
FAX:408-432-1627
bell.ron@microlinear.com

Last Updated: July, 2000

If you have any comments or suggestions regarding the Computer Elements web page, please send an e-mail to: gmerckel@unf.edu

This site designed and maintained by: katzfishy@aol.com