

Workshop

The 2002 Vail Computer Elements

Vail, Colorado

June 23-26, 2002

Sponsored by

IEEE Computer Society

The following is the outline of sessions for the Vail 2002 workshop.

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Invitation & Registration

Design Challenges

Program Chair: [R. Brad Older](#), Intel

Program Co-Chair: [James Hughes](#), Storage Tek

Sunday, June 23

5:00pm - Social Hour followed by dinner & Keynote Presentation.

"The Road to 64 Bits: Intel/HP vs AMD"

Bill Worley, HP & Allan Knies, Intel - Fred Weber, AMD & Wayne Meretsky, AMD.

Moderator Jim Slager, JAZiO

Monday, June 24

Session 1	New Microprocessors	Chairs Jim Slager & Chris Malachowsky
1.1	Intel/HP McKinley	Terry Lyon, HP
1.2	AMD Sledge Hammer	Fred Weber,AMD
1.3	NVIDIA GeForce 4	John Montrym, NVIDIA
1.4	Complexity vs Power vs Performance	Carl Anderson, IBM
Session 2	SOC & SOI	Chairs David Baker & Robert Montoye
2.1	Vertical ICs via Through Silicon	Pat Halahan, Tru-Si
2.2	Advances in SOI	Rahim Khoie, UNF
2.3	SOC Development Methodologies	Oscar Mitchell, LayerN
2.4	SOC Development for AU1500	Rich Witek, Alchemy
Session 3	Internet & Wireless	Chairs James Simak & Ray Barrett
3.1	Lower Power Spread Spectrum	Ron Bell, Micro Linear

3.2	Ad Hoc Networks	Ed Callaway, Motorola
3.3	Internet Road Weather System	David Lambert, UNF
3.4	Multimedia on the Internet	Horst Clausen, Univ. of Salzburg

Tuesday, June 25

Session 4	Consumer Electronics	Chairs Michinori Nishihara & Yokshiiaki Hagiwara
4.1	Palm Directions	Bill Stanely, Palm
4.2	Software System on a Chip	Dave Fotland, Uvicom
4.3	Consumer Electronics Trends	Yoshiiaki Hagiwara, Sony
4.4	Digital Video Trends	George Cooper, Adtec
Session 5	Embedded & Mixed Signal Systems	Chairs Allan Knies & John Alexander
5.1	RF Circuits in a CMOS Design	Stephen Pawlowski, Intel
5.2	MAP BSP-15	Chris Basoglu, Equator
5.3	Embedded Intelligent Sensors	John Alexander, UNF

Wednesday, June 26

Session 6	Systems Interconnect & Packaging	Chair Alan Charlesworth
6.1	Server Revenue Trends	Alan Charlesworth, Sun
6.2	SMP Technology	Alan Charlesworth, Sun
6.3	I/O Wars: 3GIO/Infiniband/IP Off-load	Greg Pfister, IBM
6.4	Gigabit Ethernet Mesh	Ravi Kavuri, StorageTek

Contacts

Contacts for the 2002 Vail Computer Elements Workshop chairs are available on the [Vail 2002 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
 Michinori Nishihara, IBM

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