Program - Vail 1998

1998 IEEE Computer Elements Vail Workshop

Vail, Colorado

June 21-24, 1998

Sponsored by the IEEE Computer Society's: Technical Committee (TC)

on Computer Elements:

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Vail Workshop:
General Chair: Jeff Yetter, Hewlett Packard Company (970) 229-3249
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Co-Program Chair Bob Guernsey, IBM (914) 435-8058
Arrangements: Ron Bell, Equator Technologies (408) 369-5477
Registration: John Polhemus, Consultant (303) 781-6190
Treasurer: John Polhemus, Consultant (303) 781-6190

Sunday Evening:
Keynote: The Next Decade of Moore's Law
Dr. Rick Baum, IBM Server Chief Architect

Monday Morning:
Announcements:
Yetter, Boney, Guernsey, Polhemus
Session 1. New ISA Processors
Chair: Jim Slager
Speakers:
A. "Sun MicroJava 701 CPU Core"
Speaker: Shailender Chaudhry, Sun Microsystems
B. "Philips Trimedia",
Speaker: Gert Slavenburg, Philips
C. "IRAM"
Speaker: Christoforos Kozyrakis, UC Berkeley
D. "Intel Merced",
Speaker: Michael Slater, Micro Design Resources

Monday Afternoon:
Session 2. Modern Server Technology
Chair: Gene Emerson Co-chair: John Norris
A. "Future High Performance Servers: The Balanced Solution",
Speaker: Charlie Johnson, IBM GigaProcessor project.
B. "Starfire:Extending the SMP Envelope,"
Speaker: Alan Charlesworth, Sun
C. "The HP V-Class: Developing a Successful Technical and
Commercial Server,"
Speaker: Rich Adkisson, Hewlett Packard.
D. "Synfinity Interconnect for Highly Scalable Servers"
Speaker: David Rich, HAL Computer

Monday Evening:
Session 3. Silicon Technology, Cooling, Packaging

Chair: Carl Anderson Co-chair: Hiroshi Yoshimura
A. "PC Microprocessor Packaging and Cooling"
Speaker: Dennis Herrell, AMD
B. "Past, Present and Future of CCD Image Sensors"
Speaker: Sumio Terakawa, Matsushita
C. "Developement Strategy of SuperH Microprocessors for Multimedia Applications"
Speaker: Hideo Maejima, Hitachi Ltd.

Tuesday morning:
Session 4. Consumer Computing, PC and/or TV
Chair: Yoshiaki Hagiwara
A. "The Home of Tomorrow, Communications, Computing and Consumer"
Speaker: Peter Hortensius, IBM
B. "PC Audio for Consumer Computing"
Speaker: Wayne Galella, Cirrus Logic
C. "Web TV System Architecure and Technology"
Speaker: Tim Bucher, WebTV.
D. "Toshiba TV PC and Sony VAIO"
Speakers: Mikhail Tsinberg, IT Div. of Toshiba America
Isao Murase, Sony.

Tuesday evening:
Session 5. Internet, Security and Java
Chair: Jerry Merckel Co-chair: Bob Guernsey
A. "Internet Telephony"
Speaker: Keith Kelley, Netspeak
B. "e-Business Challenges with Java",
Speaker: Rob Smith, IBM
C. "Gator PC" (Java PC)
Speaker: John Alexander, Gator PC

Wednesday morning:
Session 6. Evolving I/O Technology
Chair: Bob Montoye Co-chair: Winfried Wilcke
A. "The Virtual Retinal Display: Toward the Ultimate Visual Interface",
Speaker: Tom Furness, Univ. of Washington
B. "Pen Input in Computing - An Overview",
Speaker: Krishna S. Nathan, IBM Watson Research.
C. "Deconstructiong Computers with 1394"
Speaker: Gary Hoffman, Consultant
D. "The Equator System on Silicon"
Speaker: David Baker, Equator