

## 2012 VAIL Computer Elements Workshop

June 24-27, 2012

<http://projects.ccec.unf.edu/vail>

### New Dimensions

Program Chair: Steve Miller, NetApp, [scm@netapp.com](mailto:scm@netapp.com)

Program Co-Chair: Yahya Sotoudeh, Intel, [yahya.sotoudeh@intel.com](mailto:yahya.sotoudeh@intel.com)

**Sunday June 24** 5 PM Registration, Dinner and Keynote Presentation (**8:00 PM – 9:15 PM**)

### Next Generation

Key Note Chair: Jim Hughes, [jphughes@mac.com](mailto:jphughes@mac.com)

Key Note Speaker: Jim Hughes

#### Monday June 25

##### Session 1: Internet of Things

8:30 AM – 12:00 noon

1. Reliability of Distributed Things
2. WWW Neural Network
3. Shipping Container Integrity Monitoring
4. Mobile Code on Mutually Suspicious Devices

Chairs Ray Barrett, American R & D & Mark Miller, Google,

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Mark Miller, Google, [erights@google.com](mailto:erights@google.com)

##### Session 2: I/O & Interconnect

1030 pM – 4:30 PM

1. Auto Commit Memory
2. Big Data Futures
3. System Interconnect Innovation
4. CMOS & Si Photonics Hybrid Integration

Chairs Jim Mitchell, Oracle & Brian Hirano, Oracle

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Jack Cunningham, Oracle, [john.cunningham@oracle.com](mailto:john.cunningham@oracle.com)

##### Session 3: Panel-Emerging Memory

8:00 PM – 10:15 PM

1. In-package Memory

Chairs Sam Naffziger, AMD & Steve Wald, Boise State U

[Samuel.naffziger@amd.com](mailto:Samuel.naffziger@amd.com) [swald@ieee.org](mailto:swald@ieee.org)

Pete Vogt, Intel, [pete.d.vogt@intel.com](mailto:pete.d.vogt@intel.com)

#### Tuesday June 26

##### Session 4: Consumer Electronics

8:30 AM – 12:00 noon

1. Biomed CMOS Image Sensors
2. FPGA Ultra Low Power
3. Sensor Networks
4. "LTS"

Chairs Atsushi Hasegawa, Renesas, & Hirofumi Sumi, Sony

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Atsushi Hasegawa, Renesas, [atsushi.hasegawa.qx@renesas.com](mailto:atsushi.hasegawa.qx@renesas.com)

**Planning Session: Vail 2013, 4PM – 5:30 PM All invited to participate.**

##### Session 5: Panel-Medical Electronics

8:00 PM – 10:15 PM

1. Electronic Stimulation Knee Rehab

Chairs David Baker, Green Hills SW & Jim Simak, Harris Computer

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Herbie Kim, [llkirn@articulatelabs.com](mailto:llkirn@articulatelabs.com), Articulate Labs

#### Wednesday June 27

##### Session 6: 22 nm & More

8:30 AM – 12:00 noon

1. Silicon Horizons
2. Embedded Multi-Core Challenges
3. TBD

Chairs Bill Huffman, Tensilica, & Jay Fleischman, AMD

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