



**OPENFABRICS
ALLIANCE**

2013 OFA Developer Workshop Agenda
Sunday, April 21 - Wednesday, April 24

Opening Keynote, Sunday April 21 at 7:30 PM
Criteria for a Scalable Architecture
Speaker: Mark Seager, Intel

OFA / IBTA hosted reception in the Ferrantes Bayview Ballroom immediately following Keynote
Bar tickets for reception available at Badge pickup - Bar opens after Keynote

Make this a social event - be sure to use our Twitter hashtag, #OFADevWorkshop, and comment real-time about the event.

| | Sunday, April 21 | Monday, April 22 | Tuesday, April 23 | Wednesday, April 24 |
|----------|---|--|---|--|
| 7:00 AM | | Breakfast Ferrantes Bayview | Breakfast Ferrantes Bayview | Breakfast Ferrantes Bayview |
| 8:00 AM | <p>* For wireless access while in the hotel use conference code "openfabric"</p> <p>- Only valet parking at the hotel - \$20 per day; Off-site parking is available for \$7 per hour, \$7 daily</p> | Introductions, Workshop Goals, Controversies Speaker: Jim Ryan, OFA Chair | Innovative Topologies Speakers: Harry Quackenboss, Infinetics Ratko Tomic, Infinetics | Software Defined Datacenter Speaker: Josh Simons, VMware |
| 8:30 AM | | (8:15AM) Updates from User Day Speaker: Susan Coulter, LANL | Extending Verbs API Speaker: Tzahi Oved, Mellanox | RDMA in Virtual Environments Speaker: Bhavesh Davda, VMware Aaron Blasius, VMware |
| 9:00 AM | | (8:45AM) Evolving OFS for the modern world - A challenge to attendees Speaker: Paul Grun, Cray | Alternative Approaches to Sockets over RDMA Speakers: Sean Hefty, Intel Jerry Stevens, IBM | Windows File Sharing High Performance RDMA Considerations Speaker: Tom Talpey |
| 9:30 AM | | Scaling OFA: Beyond RDMA? Speaker: Bill Magro, Intel | On-Demand paging for user space networking Speaker: Liran Liss, Mellanox | On Suitability of High-Performance Networking API for Storage Speaker: Bernard Metzler, IBM |
| 10:00 AM | | Break | Break | Break |
| 10:30 AM | | Scaling with PGAS Languages Panel Moderator: Paul Grun, Cray Panelists: Howard Pritchard, Cray; Mirko Rahn, Fraunhofer Institute; DK Panda, OSU; Rich Graham, Mellanox; Robert Woodruff, Intel | Network Direct Update Speaker: Fab Tillier, Microsoft | Linux SRP initiator for reducing fail over time in a H.A. setup Speaker: Bart Van Assche, Fusion-io |
| 11:00 AM | | | QCN w/Ethernet and RoCE Speaker: Liran Liss, Mellanox | SSD higher speed devices architectural interconnect impact Speaker: Johann George, SanDisk |
| 11:30 AM | | Update on Portals 4 Speaker: Brian Barrett, Sandia National Labs | NVM Express: Maturing Fast Speaker: David Akerson, Intel | Efficient interfaces to take advantage of SSDs. NVM programming architecture / opportunities for interconnect Speaker: Walt Hubis, Fusion-io |
| 12:00 PM | | Clouds at a Distance Speaker: Tom Coughlin, Coughlin Associates | High performance RDMA based design for Big Data and Web 2.0 memcached Speaker: DK Panda, OSU | Technology Advisory Council Speakers: Tom Stachura, Intel Diego Crupnicoff, Mellanox |
| 12:30 PM | | Lunch Ferrantes Bayview | Lunch Ferrantes Bayview | Building a directional consensus Speakers: Jim Ryan, OFA Chair Paul Grun, Cray |
| 1:00 PM | | | Lunch OpenFabrics Alliance Interoperability Program Speaker: Rupert Dance, Software Forge OFED Update Speakers: Tziporet Koren, Mellanox Robert Woodruff, Intel | |
| 1:30 PM | Improving MPI scaling Speaker: Rich Graham, Mellanox | Accelerating Big Data over RDMA Speaker: Sreev Doddabalapur, Mellanox | System Administration Training Speaker: Rupert Dance, Software Forge | |
| 2:00 PM | Challenges of Scale & MPI/PGAS APIs Speaker: Todd Rimmer, Intel | State of Ubuntu, OpenStack & OFED testing and development Speaker: Samantha Jian-Pielak, Canonical | Wrap-up, Feedback, Action Items Speaker: Jim Ryan, OFA Chair | |
| 2:30 PM | OFS for the Intel Xeon Phi Speaker: Robert Woodruff, Intel | Cloud computing for DOD Speaker: Virginia Ross, U.S. Air Force | | |
| 3:00 PM | Break | Break | | |
| 3:30 PM | Scalable Subnet Administration Speaker: Sean Hefty, Intel | SSD-Assisted designs for MPI fault-tolerance (checkpoint-restart) and accelerating Web 2.0 (such as memcached) Speaker: DK Panda, OSU | | |
| 4:00 PM | InfiniBand Scalability for One-Sided Communication Speaker: Zarka Cvetanovic, HP | RDMA in Wide Area High Speed Networks Speaker: Linden Mercer, NRL | | |
| 4:30 PM | MVAPICH2 and Intel MPI implementations for MIC Speakers: DK Panda, OSU Bill Magro, Intel | Update on Lustre, OpenSFS and FastForward InfiniBand Speaker: Doug Oucharek, Intel | | |
| 5:00 PM | Completion Queue Handler Group for Scalable User Verb Applications Speakers: Guangyu Shi, Oracle Pallab Bhattacharya, Oracle | Social Hour | | |
| 5:30 PM | Ethernet over InfiniBand (EoIB) Speaker: Ali Ayoub, Mellanox | | | |
| 6:00 PM | Registration / Badge Pick-Up | | | |
| 6:30 PM | Mezzanine Level in the foyer outside the San Carlos Ballroom | OFA Annual General Meeting Speaker: Jim Ryan, OFA Chair | | |
| 7:00 PM | | | | |
| 7:30 PM | Keynote <i>Criteria for a Scalable Architecture</i> Speaker: Mark Seager, Intel | Key | | |
| | | OFA | Scaleable Architectures | Enterprise |
| | | Cloud | Big Data | Storage and Storage at a Distance |

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