**2013 OpenFabrics Alliance International Developer   
Workshop Presentations**

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| **Legend** | **OFA** | **Scalable Architectures** | **Enterprise** |
| **Cloud** | **Big Data** | **Storage & Storage at a Distance** |

**Get all presentations in a Zip file:** [**All days**](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/2013_Workshop_All_Presos.zip)**;** [**Monday, April 22nd**](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Mon_0422/2013_Workshop_Monday_0422.zip)**;** [**Tuesday, April 23rd;**](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Tues_0423/2013_Workshop_Tuesday_0423.zip)[**Wednesday, April 24th**](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Wed_0424/2013_Workshop_Wed_0424.zip)

**You can find** [**videos of the presentations**](http://insidehpc.com/video-gallery-open-fabrics-developer-workshop-2013/) **on the** [**InsideHPC site**](http://insidehpc.com)**.**

|  | **Sunday, April 21** | **Monday, April 22** | **Tuesday, April 23** | **Wednesday, April 24** |
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| **8:00 AM** |  | [Introductions, Workshop Goals, Controversies](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Mon_0422/2013_Workshop_Mon_0800_OFA_Workshop_welcome_session.pdf) **Speaker:** Jim Ryan, OFA Chair | [Innovative Topologies](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Tues_0423/2013_Workshop_Tues_0800_Quackenboss_Infinetics_Presentation.pdf) **Speakers:**  Harry Quackenboss, Infinetics Ratko Tomic, Infinetics | [Software Defined Datacenter](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Wed_0424/2013_Workshop_Wed_0800_Simons_SoftwareDefinedDatacenter.pdf) **Speaker:** Josh Simons, VMware |
| **8:30 AM** |  | (8:15AM) [Updates from User Day](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Mon_0422/2013_Workshop_Mon_0830_OFA_UserDay.pdf) **Speaker:** Susan Coulter, LANL | [Extending Verbs API](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Tues_0423/2013_Workshop_Tues_0830_Tzahi_Oved-verbs_extensions_ofa_2013-tzahio.pdf) **Speaker:** Tzahi Oved, Mellanox | [RDMA in Virtual Environments](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Wed_0424/2013_Workshop_Wed_0830_BhaveshDavda-vRDMA.pdf) **Speakers:** Bhavesh Davda, VMware Aaron Blasius, VMware |
| **9:00 AM** |  | (8:45AM) [Evolving OFS for the Modern World -  A Challenge to Attendees](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Mon_0422/2013_Workshop_Mon_0900Next_Gen_RDMA.pdf) **Speaker:** Paul Grun, Cray | Alternative Approaches to Sockets over RDMA **Speakers:** [Sean Hefty, Intel](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Tues_0423/2013_Workshop_Tues_0900_Sean-Hefty-rsockets-ofa13.pdf) [Jerry Stevens, IBM](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Tues_0423/2013_Workshop_Tues_0900_Stevens_SMC-R.pdf) | Windows File Sharing High Performance RDMA Considerations **Speaker:** Tom Talpey, Microsoft |
| **9:30 AM** |  | [Scaling OFA: Beyond RDMA?](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Mon_0422/2013_Workshop_Mon_0930_Magro-201304-ScalingOFA-Intel.pdf) **Speaker:** Bill Magro, Intel | [On-Demand Paging for User Space Networking](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Tues_0423/2013_Workshop_Tues_0930_liss_odp.pdf) **Speaker:** Liran Liss, Mellanox | [On Suitability of High-Performance Networking API for Storage](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Wed_0424/2013_Workshop_Wed_0930_MetzlerOFA_IOAPI.pdf) **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;](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Mon_0422/2013_Workshop_Mon_1030_ofa_pgas_panel_howardpritchard.pdf)  Mirko Rahn, Fraunhofer Institute;  [DK Panda, OSU;](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Mon_0422/2013_Workshop_Mon_1030_dk_panda_pgas_panel_new.pdf)  Rich Graham, Mellanox;  Robert Woodruff, Intel | [Network Direct Update](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Tues_0423/2013_Workshop_Tues_1030_Fab-Tiller-OFA_NDv2.pdf) **Speaker:** Fab Tillier, Microsoft | [Linux SRP Initiator for Reducing Fail-over Time in a H.A. Setup](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Wed_0424/2013_Workshop_Wed_1030_BartVanAsscheOFED_SRP.pdf) **Speaker:** Bart Van Assche, Fusion-io |
| **11:00 AM** |  | [QCN w/Ethernet and RoCE](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Tues_0423/2013_Workshop_Tues_1100_liss_qcn.pdf) **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](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Tues_0423/2013_Workshop_Tues_1130_Akerson_NVMe_Overview.pdf) **Speaker:** David Akerson, Intel | [Efficient interfaces to Take Advantage of SSDs. NVM Programming Architecture / Opportunities for Interconnect](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Wed_0424/2013_Workshop_Wed_1130_WaltHubisFusion_io_.pdf) **Speaker:** Walt Hubis, Fusion-io |
| **12:00 PM** |  | [Clouds at a Distance](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Mon_0422/2013_Workshop_Mon_1200_Tom_Coughlin_OFA_Workshop_%20042113.pdf) **Speaker:** Tom Coughlin, Coughlin Associates | [High performance RDMA based design for Big Data and Web 2.0 memcached](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Tues_0423/2013_Workshop_Tues_1200_panda_bigdata.pdf) **Speaker:** DK Panda, OSU | [Technology Advisory Council](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Wed_0424/2013_Workshop_Wed_1200_OFA%20TAC.pdf) **Speakers:** Tom Stachura, IntelDiego Crupnicoff, Mellanox |
| **12:30 PM** |  | **Lunch** | **Lunch** | Building a Directional Consensus **Speakers:** Jim Ryan, OFA Chair [Paul Grun, Cray](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Wed_0424/2013_Workshop_Wed_1230_Next_Gen%20RDMA_wrapup.pdf) |
| **1:00 PM** |  | **Lunch** OpenFabrics Alliance  [Interoperability Program](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Wed_0424/2013_Workshop_Wed_1300_OpenFabricsAllianceInteroperabilityProgram.pdf) **Speaker:** Rupert Dance, Software Forge[OFED Update](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Wed_0424/2013_Workshop_Wed_1330_OFA_EWG_report.pdf) **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 |
| **2:00 PM** |  | [Challenges of Scale & MPI/PGAS APIs](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Mon_0422/2013_Workshop_Mon_1400_Rimmer_OFA_Workshop_Scale_and_Compute_APIsv3.pdf) **Speaker:** Todd Rimmer, Intel | [State of Ubuntu, OpenStack & OFED Testing and Development](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Tues_0423/2013_Workshop_Tues_1400_Samantha_OFA-Canonical.pdf) **Speaker:** Samantha Jian-Pielak, Canonical | System Administration Training **Speaker:** Rupert Dance, Software Forge |
| **2:30 PM** |  | [OFS for the Intel Xeon Phi](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Mon_0422/2013_Workshop_Mon_1430_OpenFabrics_OFS_software_for_Xeon_Phi.pdf) **Speaker:** Robert Woodruff, Intel | [Cloud Computing for DOD](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Tues_0423/2013_Workshop_Tues_1430_VirginiaRossOFA_Workshop.pdf) **Speaker:** Virginia Ross, U.S. Air Force | Wrap-up, Feedback, Action Items **Speaker:** Jim Ryan, OFA Chair |
| **3:00 PM** |  | **Break** | **Break** |  |
| **3:30 PM** |  | [Scalable Subnet Administration](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Mon_0422/2013_Workshop_Mon_1530_Sean_Hefty_ssa_ofa13.pdf) **Speaker:** Sean Hefty, Intel | [SSD-Assisted Designs for MPI Fault-tolerance and Accelerating Web 2.0](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Tues_0423/2013_Workshop_Tues_1530_panda_ssd.pdf) **Speaker:** DK Panda, OSU |  |
| **4:00 PM** |  | InfiniBand Scalability for One-Sided Communication **Speaker:** Zarka Cvetanovic, HP | [RDMA in Wide Area High Speed Area Networks](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Tues_0423/2013_Workshop_Tues_1600_LindenMercerOFA2013_NRL.pdf) **Speaker:** Linden Mercer, NRL |  |
| **4:30 PM** |  | [MVAPICH2 and Intel MPI Implementations for MIC](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Mon_0422/2013_Workshop_Mon_1630_Magro_20130422_OFADevConf_IntelMPIonPhi.pdf) **Speakers**: DK Panda, OSU Bill Magro, Intel | [Update on Lustre, OpenSFS and FastForward InfiniBand](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Tues_0423/2013_Workshop_Tues_1630_DougOucharekOFA_Workshop_Lustre.pdf) **Speaker:** Doug Oucharek, Intel |  |
| **5:00 PM** | **Registration / Badge Pick-Up** | [Completion Queue Handler Group for Scalable User Verb Applications](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Mon_0422/2013_Workshop_Mon_1700_Guangyu_Oracle_OFA_Workshop_CQH.pdf) **Speakers:** Guangyu Shi, Oracle  Pallab Bhattacharya, Oracle |  |  |
| **5:30 PM** | [Ethernet over InfiniBand (EoIB)](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Mon_0422/2013_Workshop_Mon_1730_Ali_Ayoub_OFA_2013_EoIB.pdf) **Speaker:** Ali Ayoub, Mellanox |  |  |
| **6:00 PM** | [OFA Annual General Meeting](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Mon_0422/2013_Workshop_Mon_1800_OFA_Workshop_AGM_2013.pdf) **Speaker:** Jim Ryan, OFA Chair |  |  |
| **6:30 PM** |  |  |  |
| **7:00 PM** |  |  |  |
| **7:30 PM** | **Keynote** [*Criteria for a Scalable Architecture*](https://www.openfabrics.org/images/docs/2013_Dev_Workshop/Sun_0421/2013_Workshop_Sun_0730_OFAKeynote-SeagerV2.pdf) **Speaker:** Mark Seager, Intel |  |  |  |
| **8:00 PM** |  |  |  |
| **8:30 PM** |  |  |  |
| **9:00 PM** | **Reception** |  |  |  |