



2013 OFA Developer Workshop

9th Annual Developers' Workshop

Workshop Logistics

- For WiFi use Conference Code “openfabric” in your room or elsewhere for free wireless in the hotel
- Meeting rooms are available for off-line meetings, contact badge table at any time for booking
- Please keep cell phones on vibrate or silent during sessions. When “networking” on the Mezzanine, please converse quietly away from the doors to the workshop. As breaks end, return promptly.

Workshop Logistics (cont'd)

- If you have questions or feedback about the workshop during or following the event, tweet @openfabrics or login to the OFA forum to start a discussion.
- All meals will be at the Ferrantes Bayview where our keynote was last night
- Inside HPC will be recording and posting sessions – with speaker approval

Workshop Logistics (cont'd)

Specific individual and workshop roles

- Bill Lee: Workshop organizer
- Diane Reeve and Rebecca Moran: registration and break-out room reservations
- Jim Ryan: note-taker-in-chief and laptop operator for presentations
- “Slide Runners” – various: responsible for finding the next speaker and securing the preso – also for getting people back on time from breaks
- “MC” – various: intro speaker, enforce schedule

Workshop Logistics (cont'd)

- If you experience WiFi problems, tell one of the identified staff ASAP – we can expand capacity
- Note that most but not all sessions are being video taped. Note the color-codes on the schedule page
- There will be someone at the registration desk at all times, so you can safely leave your laptop

Special Notes on Sessions:

My personal views:

- Special presentation by Paul Grun on Monday morning “Evolving OFS for the Modern World – a Challenge to Attendees”, followed by “Building a Directional Consensus”
 - First ever start and end of Workshop session, with input requested from all of you
- Annual General Meeting at 7:00 today



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 Deager, Intel

OFA / SEDA hosted reception in the Fantasia Bayview Ballroom immediately following Keynote
Bar/Seating for reception available at badge pickup - Bar opens after Keynote

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



OPENFABRICS ALLIANCE

	Sunday, April 21	Monday, April 22	Tuesday, April 23	Wednesday, April 24
8:00 AM		Introduction, Workshop Goals, Contingencies Speaker: Jim Ryan, OGI/Chair	Innovative Technologies Speaker: Saba Tahir, Intel	Windows I/O Challenge High Performance RDMA, Contingencies Speaker: Tom Talbot, Microsoft
8:30 AM	+ For wireless access while in the hotel use conference code "openfabrics"	OS/IOV: Issues for User Day Speaker: Brian Cooper, LSI	RDMA over Converged Ethernet Network Speaker: Linda Green, EMC	Software Defined Controller Speaker: Josh Clark, VMware
8:45 AM		OS/IOV: Finding OPE for the system with a challenge in storage Speaker: Paul Chen, CMC	Open-Source, OpenPE and FastForward Speaker: Doug Chisholm, Intel	RDMA over Converged Ethernet Speaker: Shweta Datta, VMware Amit Shukla, VMware
9:00 AM	- Only valet parking at the hotel - \$20 per day; Off-site parking is available for \$7 per hour, \$7 daily	Scaling OPA beyond RDMA? Speaker: Bill Skaggs, LSI	On-Demand High-Speed Interconnect Speaker: Linda Liu, Mellanox	On Scalability of High Performance Interconnect for Data Storage Speaker: Steven Shook, EMC
9:30 AM		Break	Break	Break
10:00 AM		Scaling with OpenStack (Panel) Moderator: Paul Chen, CMC Panelists: Michael Peterson, CMC; Michael Rasmussen, EMC; Paul Chen, CMC; Bill Skaggs, LSI; David Woodruff, Intel	Alternative Approaches to Scale over RDMA Speakers: Ben Harty, LSI; Jerry Simons, IBM	Linux BDP: Issues for reducing latency over J.E. vnet Speaker: Ben Harty, LSI
11:00 AM			Network-Driven Update Speaker: Paul Chen, CMC	SSD: Higher speed device architecture Speaker: John O'Connell, SanDisk
11:30 AM		Update on Fabric-E Speaker: Eric Sargent, Google; Eric Lahn	OCI (On-Demand and DCE) Speaker: Linda Liu, Mellanox	Efficient interfaces to take advantage of SSDs, vNIC programming, vNICs and I/O capabilities for applications Speaker: Rob Hahn, FusionIO
12:00 PM		Cloud as a Service Speaker: Tom Clough, OrangeAssess	What are the challenges of the Cloud and how can we build systems that leverage it? Speaker: Eric Sargent, Intel	Technology Advisory Council Speakers: Tom Clough, Intel; Doug Chisholm, Intel
12:30 PM		Lunch	Lunch	Building a distributed system Speakers: Jim Ryan, OGI; Chair Paul Chen, CMC
1:00 PM				Lunch OpenFabrics: Open-Source, OpenStack Project Speaker: Robert Datta, Intel
1:30 PM		Improving MPI scaling Speaker: Rob Oshman, Mellanox	Cloud-Adaptive Course Speaker: Bill Skaggs, CloudAdaptive/Chair	OFED Update Speakers: Tom Clough, Intel; Doug Chisholm, Intel
2:00 PM		Challenges of Scale: MPI/IOV/Scale/UP Speaker: Tom Clough, Intel	SSD: New SSD designs for MPI/IOV/Scale and applications Speakers: John O'Connell, SanDisk; Bill Skaggs, LSI	System Administration Training Speaker: Robert Datta, Intel
2:30 PM		OFE for the Intel Optane Speaker: Robert Woodruff, Intel	Cloud-Adaptive for I/O Speaker: Tom Clough, U.S. Air Force	Wrap-up, Feedback, After-Party Speaker: Jim Ryan, OGI, Chair
3:00 AM		Break	Break	
3:30 PM		Storage-Driven Administration Speaker: Ben Harty, Intel	State of Storage, OpenStack & OFED testing and development Speaker: Giovanni Viti, Redhat, Canonical	
4:00 PM		Network Scalability in On-Site Computation Speaker: David Chiswick, HP	Innovative paths to RDMA Speaker: Ben Harty, EMC	
4:30 PM		MPAS/IOV and Intel MPI optimizations for MPI Speaker: Bill Skaggs, OGI	High performance RDMA based design for Big Data with 2.5 exabyte Speaker: Bill Skaggs, OGI	
5:00 PM		Building Verbs API Speaker: Tom Clough, Mellanox	OFED Express: Making Fast Speaker: David Chiswick, Intel	
5:30 PM	Registration / Badge Pick-Up	Completion Oracle Handler Group for Solstice Data Grid applications Speakers: Christian Hill, Oracle; Paul Skelton, Oracle	Accelerating Data with OFED Speaker: Tom Clough, Mellanox	
6:00 PM		Storage over InfiniBand (SIB) Speaker: Jim Ryan, Mellanox	Registration	
6:30 PM		OFA Annual General Meeting Speaker: Jim Ryan, OGI/Chair		
7:00 PM				
7:30 PM				
8:00 PM	Keynote Criteria for a Scalable Architecture Speaker: Mark Deager, Intel		Key	
8:30 PM		OFE	Storage & Performance	Storage
8:45 PM		Break	Break	Storage and Storage at a Distance
9:00 PM				

Workshop Goals

- Free exchange of information – technical, not marketing
- No product pitches
- Questions/interaction encouraged
- Be as forthcoming as possible, realizing this not under NDA

**We'll be starting a
survey, explained
today at lunch**

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