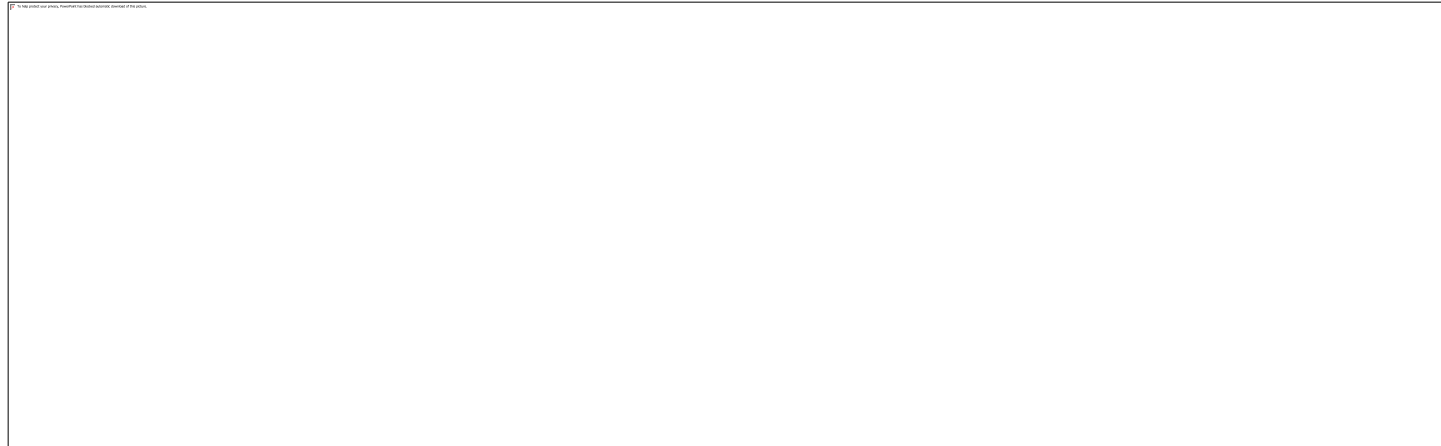# OFA Workshop Goals and Logistics

Jim Ryan, Chairman, OFA

March 26, 2012

Workshop Logistics

- For WiFi use Conference Code "ofvc58" 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

- Chris Calandro: Workshop organizer

- Diane Reeve and Joyce Ferguson: 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 in the meeting room at all times, so you can safely leave your laptop

Special Notes on Sessions:

My personal views:

- OFA is trying to align with Microsoft around messaging on the benefits of RDMA for EDC

- Critical discussion on funding the interop program – please plan to spend the full day here

- Annual General Meeting at 6:30 for interop and other key topics

- Significant coverage of storage

- First ever session on NVMe and updates on SSDs

Special Notes on Sessions (cont'd)

- Updates on training programs including new training planned for system administration

- Reports from Linux distributors on important developments in packaging and delivering OFED through their mechanisms

- First ever "Ether Day" focusing on Ethernet-related topics

- Focus on "big data", "unstructured data" and related topics

- Exascale: not new but increasingly important

2012 OFA User and Developer Workshop Agenda

Badge pickup begins Sunday, March 25, 2012 at 5:00 PM on the Mezzanine Level in the foyer outside the San Carlos Ballroom

Opening Keynote on Sunday, March 25 at 7:30 PM in San Carlos Ballroom 3
What a Long Strange Trip It's Been: Moving RDMA into Broad Data Center Deployments
Speaker: Jim Pinkerton, Microsoft

Reception immediately following keynote on the 10th floor in the Ferrantes Bayview Ballroom
OFA hosted bar from 8:30 - 9:30 PM. Cash bar after 9:30 PM.

	Monday, March 26 "Scalability or Clusters/Networks"	Tuesday, March 27 "File Systems and Storage"	Wednesday, March 28 "'Ether' Day"
7:00 AM	Breakfast	Breakfast	Breakfast
8:00 AM	Introductions, Goals and Objectives **Speaker:** Jim Ryan, OFA Chair	Microsoft SMB 2.2 - Running Over RDMA in Windows 8 **Speaker:** Tom Talpey, Microsoft	Application Benefits SSD/Flash **Speaker:** Tony Roug, Virident
8:30 AM	OFED Use in Financial Industry **Speaker:** Christoph Lameter	Update on Lustre and OpenSFS **Speaker:** John Carrier, Cray	RDMA for Heterogeneous Parallel Computing **Moderator:** DK Panda, OSU **Speakers:** Duncan Poole, NVIDIA; Robert Woodruff, Intel;
9:00 AM	RDMA on vSphere: Update and Future Directions **Speakers:** Bhavesh Davda and Josh Simons, VMware	Hadoop/Big Data –Based Clusters With FDR InfiniBand **Speaker:** Apurva Desai, EMC	SRP Update and Directions **Speakers:** Dave Dillow, ORNL; Bob Pearson, System Fabric Works
9:30 AM	Another Year's Learning From Pleiades **Speaker:** Bob Ciotti, NASA	Live Migration With SR-IOV Supported InfiniBand **Speaker:** Wei Lin, Oracle	Ethernet Tunneling Over IPoIB **Speaker:** Ali Ayoub, Mellanox
10:00 AM	Break	Break	Break
10:30 AM	OFED Requirements **Speaker:** Ira Weiny, LLNL	OFA Code in Linux Distributions **Speakers:** Doug Ledford, RedHat; John Jolly,SUSE	iWARP Enhancements - IETF Draft **Speakers:** Bob Sharp, Intel; Felix Marti, Chelsio
11:00 AM	Scaling to Exascale – Requirements and Issues **Moderator:** Brad Benton, IBM **Speakers**: Ron Brightwell, SNL; Matt Leininger, LLNL; Giri Chukkapalli, Appro; Peter Braam, Parallel Scientific; Steve Poole, ORNL	Evolving File Systems, API's for Exascale and Big Data **Moderator:** Galen Shipman, ORNL **Speakers:** John Carrier, Cray; Dmitry Yusupov, ZFS/Nexenta; Peter Braam, Xyratex	iWARP Learnings and Best Practices **Speaker:** Michael Feen, Penn State
11:30 AM			RoCE Update **Speaker:** Liran Liss, Mellanox
12:00 PM	Portals 4 Exascale **Speakers:** Ron Brightwell, SNL; Bob Pearson, System Fabric Works	Common Communication Interface **Speakers:** Galen Shipman, ORNL; Patrick Geoffray, Myricom	User Space Link Aggregation **Speaker:** Liran Liss, Mellanox
12:30 PM	Lunch	Lunch	Lunch
1:30 PM	Memory as a New Fabric Interface **Speaker:** Steve Poole, ORNL/DOD	Introduction to the NVMe Working Group Initiative **Speaker:** Paul Luse, Intel	User Mode Ethernet Programming **Speaker:** Tzahi Oved, Mellanox
2:00 PM	Enhancing OFED Scalability **Speaker:** Todd Rimmer, Intel	SSD-Architectures and Experience **Moderator:** DK Panda, OSU **Speakers:** Tony Roug, Virident; Paul Luse, Intel; Kevin Wagner, OCZ; Bob Quinn, LSI	Network Adapter Flow Steering **Speaker:** Tzahi Oved, Mellanox
2:30 PM	InfiniBand Scalability for One-Sided Communication **Speaker:** Zarka Cvetanovic, HP		Wrap-Up, Feedback, Action Items **Speaker:** Jim Ryan, OFA Chair
3:00 PM	Granular QoS **Speaker:** Liran Liss, Mellanox	Java, OFED for Cloud Computing **Speaker:** Bernard Metzler, IBM	Attendee Open Discussion Recommendations, Likes/Dislikes Closing Speeches
3:30 PM	Break	Break	
4:00 PM	RSockets **Speaker:** Sean Hefty, Intel	Unstructured Data Accelerator **Speaker:** Motti Beck, Mellanox	
4:30 PM	Update on All the MPIs **Speakers:** DK Panda, OSU; Brad Benton, IBM; Robert Woodruff, Intel	Big Data – Shared vs. Unified, Local vs. Remote **Moderator:** Galen Shipman, ORNL **Speakers:** DK Panda, OSU; Josh Simons, VMware; Apurva Desai, EMC;	
5:00 PM	Unified MPI and PGAS (UPC, OpenShmem, etc.) Design with RDMA to Support Hybrid Programing Environment for Exascale Systems **Speaker:** DK Panda, OSU		
5:30 PM	Technology Advisory Council: Technology Trends and Needs of End User Markets, Applications and New Technology Transitions **Speaker:** Tom Stachura, Intel	SITA - Transactional Processing Requirements **Speakers:** Eric Galinier, SITA	
6:00 PM	OpenFabrics Alliance Interoperability Program **Speakers:** Rupert Dance, Software Forge; Nick Wood, UNH-IOL	OFED Linux Update **Speakers:** Tziporet Koren, Mellanox; Robert Woodruff, Intel	
6:30 PM	OFA Annual General Meeting **Speaker:** Jim Ryan, OFA Chair *All OFA members' attendance required. All attendees welcome to observe.*		

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

Thank You Sponsors: