**2013 OpenFabrics IBUG Workshop**

The OFA User Day Workshop held on April 18-19, offered a 2-day workshop with sessions related to understanding, implementing and administering OpenFabrics Software and the underlying hardware. This unique event brought together OpenFabrics Software (OFS) users and provided them with a setting to talk with each other about the challenges, and different opportunities in using OFS.

Susan Coulter, HPC Network Administrator at Los Alamos National Laboratory, spear-headed this year's event and brought together an impressive line-up of speakers that included, Dave McMillen, Storage Architect at Cray, Inc., Blake Caldwell, HPC Systems Administrator with Oak Ridge National Laboratory, and, Florent Parent, Director of Operations, Site de l'Université Laval, Calcul Québec, as well as, other past participants and OFS design experts.

| **Time** | **Date/Topic** |
| --- | --- |
|  | **Thursday, April 18** |
| 12:00 PM | **Check-In / Badge Pickup** San Carlos III Ballroom Foyer |
|  | **Training - OFA Support for Users** |
| 1:00 PM | **Welcome / Opening Remarks** Susan Coulter/LANL |
| 1:00 PM | RDMA Architectural presentation **Presenter:** Rupert Dance/Software Forge OFA\_Intro\_RDMA\_2013-04-18-v6.pptx |
| 2:00 PM | [RDMA Programming Concepts  Presenter: Dr. Bob Russell/UNH-IOL](https://www.openfabrics.org/images/docs/user_day_2013/2013_UserDay_Thur_1400_Bob-Russell-programming-concepts.pdf) |
| 3:30 PM | Fabric Administration training classes, opportunities **Presenter:** Rupert Dance/Software Forge InfiniBand Fabric Admin-2013-04-18-v4 |
| 4:30 PM | [OFILG - OFA Interop Program Presenter: Edward Mossman/UNH-IOL](https://www.openfabrics.org/images/docs/user_day_2013/2013_UserDay_Thur_1630_MossmanOFILG.pdf) |
| 5:00 PM | iWARP - RDMA over Ethernet **Presenter:** Tom Reu/Chelsio |
|  | **Friday, April 19** |
|  | **Storage** |
| 8:30 AM | **Welcome / Opening Remarks** Susan Coulter/LANL |
| 9:00 AM | [Storage Area Networks Presenter: Blake Caldwell/ORNL](https://www.openfabrics.org/images/docs/user_day_2013/2013_UserDay_Fri_0900_SAN.pdf) |
| 9:30 AM | NFS over RDMA **Presenter:** Jeff Becker/NASA |
| 10:00 AM | Storage at a Distance **Presenter:** Jason Hick/NERSC |
|  | **Fabric Management** |
| 11:00 AM | [Performance Metrics/Testing Presenter: Susan Coulter/LANL](https://www.openfabrics.org/images/docs/user_day_2013/2013_UserDay_Fri_1100_CoulterPerfTest.pdf) |
| 11:30 AM | [Practical Monitoring Presenter: Susan Coulter/Blake Caldwell/DOE](https://www.openfabrics.org/images/docs/user_day_2013/2013_UserDay_Fri_1130_CoulterOFA_Monitoring.pdf) |
| 12:00 PM | [SM/SA Functionality Presenter: Hal Rosenstock /Mellanox](https://www.openfabrics.org/images/docs/user_day_2013/2013_UserDay_Fri_1200_SM-SA_Functionality.pdf) |
| 2:00 PM | [Routing verification tools - ibdmchk, ibsim, etc. Presenter: Dave McMillen/Cray](https://www.openfabrics.org/images/docs/user_day_2013/2013_UserDay_Fri_1400_McMillenRoutingVerificationTools.pdf) |
| 2:30 PM | [DHCP/PXE Boot over IB Presenter: Florent Parent/Calcul Quebec](https://www.openfabrics.org/images/docs/user_day_2013/2013_UserDay_Fri_1430_ParentBoot_over_IB.pdf) |
|  | **Application Support** |
| 3:00 PM | Sockets over RDMA - Rsockets **Presenter:** Sean Hefty/Intel |
| 3:20 PM | [Sockets over RDMA - EXS Presenter: Dr. Bob Russell/UNH-IOL](https://www.openfabrics.org/images/docs/user_day_2013/2013_UserDay_Fri_1520_BobRussell-exs-talk.pdf) |
| 3:40 PM | [Sockets over RDMA - SMC-r Presenter: Jerry Stevens/IBM](https://www.openfabrics.org/images/docs/user_day_2013/2013_UserDay_Fri_1540_SMC-R.pdf) |
| 4:30 PM | IB Multicast - uses, IPoIB arp **Presenter:** Dave McMillen/Cray |
| 5:00 PM | Big Data **Presenter:** Eyal Gutkind/Mellanox |
| 5:30 PM | Partitions - what applications need partitions **Presenter:** Dave McMillen/Cray |
|  | **Service Delivery** |
| 6:00 PM | [Cloud and OFS Presenter: Narayan Desai/ANL](https://www.openfabrics.org/images/docs/user_day_2013/2013_UserDay_Fri_1800_CloudIB_Magellan.pdf) |