

# LUG 2011 Agenda

LUG 2011, a 2.5 day event, will feature numerous presentations on select Lustre features, upcoming enhancements, site-specific experiences using Lustre, and much more.

## Monday, April 11 – Preregistration

<b>4:00 – 7:00</b>	<b><i>Preregistration (Harbor Beach and Marco Island)</i></b> Sherry Hempfling and Sonya Mowery, ORNL
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## Tuesday, April 12 – LUG Day 1

<b>7:30 – 8:30</b>	<b>Discussion on Lustre Community (Working Breakfast) – Galen Shipman</b>	<b>Comments</b>
<b>8:45 – 9:00</b>	<b><i>LUG Kickoff</i></b> Galen Shipman, LUG Committee Chair, ORNL	
<b>9:00 – 9:30</b>	<b><i>Lustre Community releases</i></b> Peter Jones, Whamcloud	
<b>9:30 – 10:00</b>	<b><i>Architecture and Implementation of Lustre at the National Climate Computing Research Center</i></b> Douglas Fuller, ORNL	
<b>10:00 – 10:30</b>	<b>Coffee Break</b>	
<b>10:30 – 11:00</b>	<b><i>The Scientific User’s Perspective of Lustre</i></b> Frank Indiviglio, NOAA	
<b>11:00 – 11:30</b>	<b><i>Effective MapReduce on Lustre</i></b> Nathan Rutman, Xyratex	
<b>11:30 – 12:00</b>	<b><i>The Statistical Properties of Lustre Server-side I/O</i></b> Andrew Uselton, NERSC	
<b>12:00 – 1:00</b>	<b>Review of Morning Presentations by Participants (Working Lunch) – Stephen Monk</b>	
<b>1:00 – 1:30</b>	<b><i>Testing Methodology for Large Scale File Systems</i></b> Sarp Oral, ORNL	
<b>1:30 – 2:00</b>	<b><i>Whamcloud Test and Validation Toolset</i></b> Chris Gearing, Whamcloud	
<b>2:00 – 2:30</b>	<b><i>Cloud Infrastructure for Lustre QA and Benchmark</i></b> Shuichi Ihara, Data Direct Networks	
<b>2:30 – 3:00</b>	<b><i>An Overview of Fujitsu’s Lustre Based File System</i></b> Shinji Sumimoto, Fujitsu	
<b>3:00 – 3:30</b>	<b>Coffee Break</b>	

3:30 – 3:50	<i>Empowering Multi-site Heterogeneous Workflows with Lustre-WAN</i> Scott Michael, Indiana University	
3:50 – 4:10	<i>Lustre WAN at 100 Gigabit</i> Michael Kluge, ZIH	
4:10 – 4:30	<i>Lustre WAN Panel discussion</i> NRL, TACC, Indiana University, ZIH	
4:30 – 4:50	<i>Community Organization: EOFS</i> Person	
4:50 – 5:10	<i>Community Organization: HPCFS</i> Person	
5:10 – 5:30	<i>Community Organization: OpenSFS</i> Person	
5:30 – 6:00	<i>Community Organization: Panel discussion</i> EOFS, HPCFS, OpenSFS	
6:00 – 6:30	<b>Break</b>	
6:30	<b>Review of Afternoon Presentations by Participants (Working Dinner) – Sarp Oral</b>	

### Wednesday, April 13 – LUG Day 2

7:30 – 8:30	Follow Up Discussions of Open Communities (Working Breakfast) – Stephen Simms	Comments
8:30 – 10:00	<i>Vendor Roundtable</i>	
10:00 – 10:30	<b>Coffee Break</b>	
10:30 – 11:00	<i>OpenSFS Lustre Architecture Roadmap</i> David Dillow, OpenSFS	
11:00 – 11:30	<i>Online File System check</i> Andreas Dilger, Whamcloud	
11:30 – 12:00	<i>ZFS on Linux for Lustre</i> Brian Behlendorf, LLNL	
12:00 – 1:00	<b>Review of Morning Presentations (Working Lunch) - Stephen Monk</b>	
1:00 – 1:30	<i>brtfs: Overview and Requirements for a brtfs osd</i> <i>Stability and Performance Analysis of brtfs</i> Johann Lombardi, Whamcloud and Douglas Fuller, ORNL	
1:30 – 2:00	<i>Lustre File Creation Performance Enhancements</i> Ben Evans, Terascale	
2:00 – 2:30	<i>Lustre Metadata Operations Improvements</i> Fan Yong, Whamcloud	
2:30 – 3:00	<i>Detecting Hidden File System Problems</i> Nick Cardo, NERSC	

<b>3:00- 3:30</b>	<b>Coffee Break</b>	
<b>3:30 – 4:00</b>	<i>Log Analysis and ltop</i> John Hammond, TACC	
<b>4:00 – 4:30</b>	<i>Lustre Monitoring Tool (LMT)</i> Chris Morrone, LLNL	
<b>4:30– 5:00</b>	<i>Lustre at Juelich Supercomputing Center (JSC)</i> Frank Heckes, JSC	
<b>5:00 – 5:30</b>	<i>Improving Management of Large Lustre File Systems</i> David Dillow, ORNL	
<b>5:30 – 6:00</b>	<i>Lustre/HSM binding</i> Aurelien Degremont, CEA	
<b>6:00 – 6:30</b>	<b>Break</b>	
<b>6:30</b>	<b>Review of Afternoon Presentations by Participants (Working Dinner) – Sarp Oral</b>	

### Thursday, April 14 –LUG Day 3

<b>7:30 – 8:30</b>	<b>Community Planning for LUG 2012 (Working Breakfast) – Galen Shipman</b>	<b>Comments</b>
<b>8:30 – 9:00</b>	<i>Lustre as a root file system</i> Robin Humble, NCINF	
<b>9:00 – 9:30</b>	<i>Lustre 2.0 in NUMIOA Architectures</i> Diego Moreno, Bull	
<b>9:30 – 10:00</b>	<i>A Scalable Health Network for Lustre</i> Eric Barton, Whamcloud	
<b>10:00 – 10:30</b>	<b>Coffee Break</b>	
<b>10:30 – 11:30</b>	<i>Imperative Recovery</i> Jay Xiong, Whamcloud	
<b>11:00 – 11:30</b>	<i>Lustre File Striping across a Large Number of OSTs</i> Oleg Drokin, Whamcloud	
<b>11:30 – 12:00</b>	<i>Lustre use cases in the TSUBAME2.0 supercomputer</i> Hitoshi Sato, Tokyo Institute of Technology	
<b>12:00</b>	<b>LUG 2011 Concludes</b>	