

# 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

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

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

<b>5:30 – 6:00</b>	<b><i>Community Organization: Panel discussion</i></b> EOFS, HPCFS, OpenSFS
<b>6:00 – 6:30</b>	<b>Break</b>
<b>6:30</b>	<b>Dinner Reception</b>

## Wednesday, April 13 – LUG Day 2

<b>7:30 – 8:30</b>	<b>Breakfast</b>
<b>8:30 – 10:00</b>	<i>Vendor Roundtable</i>
<b>10:00 – 10:30</b>	<b>Coffee Break</b>
<b>10:30 – 11:00</b>	<i>OpenSFS Lustre Architecture Roadmap</i> David Dillow, OpenSFS
<b>11:00 – 11:30</b>	<i>Online File System check</i> Andreas Dilger, Whamcloud
<b>11:30 – 12:00</b>	<i>ZFS on Linux for Lustre</i> Brian Behlendorf, LLNL
<b>12:00 – 1:00</b>	<b>Lunch</b>
<b>1:00 – 1:30</b>	<i>btrfs: Overview and Requirements for a btrfs osd</i> <i>Stability and Performance Analysis of btrfs</i> Johann Lombardi, Whamcloud and Douglas Fuller, ORNL
<b>1:30 – 2:00</b>	<i>Lustre File Creation Performance Enhancements</i> Ben Evans, Terascale
<b>2:00 – 2:30</b>	<i>Lustre Metadata Operations Improvements</i> Fan Yong, Whamcloud
<b>2:30 – 3:00</b>	<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>Dinner Reception</b>

## Thursday, April 14 –LUG Day 3

<b>7:30 – 8:30</b>	<b>Breakfast – LOCATION</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 – LOCATON GOES HERE</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
12:00	LUG 2011 Concludes