

## **26th IEEE (MSST2010) Symposium on Massive Storage Systems and Technologies**

Hyatt Regency at Lake Tahoe

Incline Village, Nevada

**Tuesday, May 4, 2010**

**8:45 am – 10:00 am. Keynote**, Chair: Ben Kobler

Ben Kobler, *Welcome.*

Bill Kramer, NCSA, *Keynote: The Crisis in Massive Storage*

10:00 am – 10:30 am. Coffee Break

**10:30 am – 12:00 noon. Science Driven Data Management**, Chair: Jamie Shiers

Steve DelGreco, NCDC, *Weather Radar Data Services at NOAA's National Climatic Data Center*

Daniele Bonacorsi, LHC

Jeff Kantor, LSST, *Storage Challenges for LSST: When Science is Bigger than your Hardware*

12:00 - 1:30 pm. Lunch

**1:30 – 3:00 pm. PANEL: National Scale Infrastructure Development**, Chairs: Reagan Moore, Henry Newman

Jamie Shiers, CERN, *EU Data Management Initiative*

John Kunze, University of California, *NSF DataNet initiative*

Constantin Scheder, General Atomics, *US DoD HPC data grid*

Tony Williams, ARCS, *Transforming Australian Research Data Infrastructure*

Thomas Youkel, Library of Congress, *Challenges for Migration of Large Preservation Archives*

3:00 pm – 3:30 pm. Coffee Break

**3:30 pm – 5:00 pm. PANEL: Data Management Challenges**, Chairs: Reagan Moore, Jamie Shiers

Mike Begley, Panasas

Michelle Butler, NCSA, *The BlueWater's FileSystem/Archival System at NCSA*

Mike Norman, SDSC, *Data-Intensive Solutions at SDSC*

David Giaretta, STFC, *Trusted Repository Certification – Challenges of Scale*

Galen Shipman, Oak Ridge National Laboratory, *Facilitating a Data-Rich Computational Environment at the OLCF*

**6:00 pm – 8:00 pm. Vendor Reception**

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### **Wednesday, May 5, 2010**

#### **8:30 am – 10:00 am. Exascale Data**, Chair: Mark Gary

Bob Eicholz, EFilm

Mark Seager, LLNL

Vladimir Bahyl, CERN, *CERN data archive: Operational Challenges while going to Exa-Scale*

10:00 am – 10:30 am. Coffee Break

#### **10:30 am – 12:00 noon. Cloud Storage**, Chair: Dan Duffy

Joshua McKenty, NASA/Ames, *Storage Challenges in NASA's Nebula Cloud Computing Platform*

Matt Arrott, UCSD, *Ocean Observatories Initiative*

12:00 - 1:30 pm. Lunch

#### **1:30 – 3:00 pm. PANEL: Emerging technologies**, Chair: Jim Finlayson

Roger Haskin, IBM, *Cluster File Systems*

Sorin Faibish, EMC, *Application Aware Intelligent Storage*

Jay Wiley, HP, *Scalable, highly-available global storage*

3:00 pm – 3:30 pm. Coffee Break

#### **3:30 pm – 5:00 pm. Extemporaneous Talks**, Chairs: Sam Coleman, Jamie Shiers

A forum for short presentations of thoughts and ideas focused on this year's theme: *"The Crisis in Massive Storage - Solutions or Calamities?"*

Presenters will sign up for speaking slots during the symposium

#### **6:00 pm – 8:00 pm. Dinner**

Presentation of the 2010 IEEE Reynold B. Johnson Information Storage Systems Award