2011 IEEE Mass Storage Systems & Technologies Agenda

Tuesday, May 24 - Wednesday, May 25, 2011
Chairs: Reagan Moore & Jamie Shiers

Meeting is Located in Grand Ballroom A
Tuesday, May 24

7:00 AM – 8:45 AM	**Breakfast** **Located in Ballroom Foyer**
7:00 AM – 5:30 PM	**Registration/Hospitality Desk** **Located in Ballroom Foyer**
8:45 AM – 10:00 AM	**Welcome and Keynote –** *Chair: Sam Coleman* Experience with 30PB of data from the LHC & outlook to 100PB - *Michael Ernst, Brookhaven National Laboratory and the ATLAS collaboration*
10:00 AM – 10:30 AM	**AM Break** **Located in Ballroom Foyer**
10:30 AM – 12:00 PM	**Experience at the Petabyte Scale -** *Chair: Jamie Shiers* Livermore Computing Data Archives Supporting HPC Simulation - *Steve York, Lawrence Livermore National Laboratory* Data Serving Climate Simulation Science - *Ellen Salmon, NASA Center for Climate Simulation* Addressing Scalable I/O Challenges for Exascale - *Ron Oldfield, Sandia National Laboratory*
12:00 PM - 1:30 PM	**Lunch** **Located in Central City**
1:30 PM – 3:00 PM	**Storage Technology –** *Chair: Reagan Moore* SS7000 line of storage devices or databases - *Raymond Austin, Oracle* WOS, a Collaborative Storage Grid - *Dave Fellinger, Data Direct Networks* NOAA's National Climatic Data Center (NCDC) Plans for Reprocessing of Long Term Climate Data Records (CDR): Cloud & Other Possibilities - *Alan Hall, NCDC*
3:00 PM – 3:30 PM	**PM Break** **Located in Ballroom Foyer**
3:30 PM – 6:00 PM	**High Availability Tape –** *Chair: Harry Hulen* Strategies for high availability tape archives - *Harry Hulen, IBM* Tape logical block protection - *Kevin Butt, IBM and T10/SSC Working Group*

High availability tape media - *Todd Abrahamson, Imation Government Services*

Tape data integrity verification - *Molly Rector, Spectra Logic*

BlueWater's archive at NCSA with RAIT - *Michelle Butler, NCSA*

Panel discussion

6:00 PM - 8:00 PM   **Vendor Reception**
Located in Ballroom Foyer

Wednesday, May 25

7:00 AM – 8:30 AM   **Breakfast / Vendor Exhibits**
Located in Ballroom Foyer

7:00 AM – 5:30 PM   **Registration/Hospitality Desk**
Located in Ballroom Foyer

8:30 AM – 10:00 AM   **Evolving Requirements & Long-term Needs (1)**

Data Preservation, Report from 5th Data Preservation in HEP Workshop - *Dimitri Ozerov*

EMI-Data: The Unified European Data Management Middleware - *Patrick Fuhrmann*

EGI-InSPIRE requirements from Life Sciences, Earth Sciences, Astronomy & Astrophysics, Fusion - *Maria Girone, EGI-InSPIRE*

10:00 AM – 10:30 AM   **AM Break / Vendor Exhibits**
Located in Ballroom Foyer

10:30 AM – 12:00 PM   **Evolving Requirements & Long-term Needs (2)**

"Evolving WLCG data access strategy and storage management strategies" - *Ian Fisk, Fermi National Accelerator Laboratory & the CMS Collaboration*

Panel on Evolving Requirements & Long-Term Needs

12:00 PM – 1:30 PM   **Lunch – Sponsored by DataDirect Networks**
Located in Central City

1:30 PM – 3:00 PM   **Management & Architecture -** *Chair: Jamie Shiers*

Alternative architectures for mass storage - *Dan Duffy*

Federating databases and file systems through Policy-based Data management - *Reagan Moore, UNC-CH*

File system challenges - *Peter Braam, Xyratex*

3:00 PM – 3:30 PM   **PM Break / Vendor Exhibits**
Located in Ballroom Foyer

3:30 PM – 5:00 PM   **Summary session -** *Chair: Reagan Moore*

Panel: During these two days of invited talks we have heard about experience well beyond the petabyte scale, challenges for long-term archives, as well as potential solutions. What remains to be done?

Panel members to cover:
- Experience at the PB Scale;
- Storage technology & HA tape;
- Management & architecture;
- Evolving requirements & long-term needs.

6:00 PM - 6:30 PM   **Reception / Vendor Exhibits**
Located in Ballroom Foyer

6:30 PM - 8:00 PM   **Dinner - Sponsored by RAID, Inc.**
Located in Ellyngton's

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