### 2011 IEEE Mass Storage Systems & Technologies Agenda

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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| 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

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### Wednesday, May 25

<table>
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<tbody>
<tr>
<td>7:00 AM - 8:30 AM</td>
<td>Breakfast / Vendor Exhibits&lt;br&gt;Located in Ballroom Foyer</td>
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<td>7:00 AM - 5:30 PM</td>
<td>Registration/ Hospitality Desk&lt;br&gt;Located in Ballroom Foyer</td>
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<td>8:30 AM - 10:00 AM</td>
<td>Evolving Requirements &amp; Long-term Needs (1)&lt;br&gt;Data Preservation, Report from 5th Data Preservation in HEP Workshop - Dimitri Ozerov&lt;br&gt;EMI-Data: The Unified European Data Management Middleware - Patrick Fuhrmann&lt;br&gt;EGI-InSPIRE requirements from Life Sciences, Earth Sciences, Astronomy &amp; Astrophysics, Fusion - Maria Girone, EGI-InSPIRE</td>
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<tr>
<td>10:00 AM - 10:30 AM</td>
<td>AM Break / Vendor Exhibits&lt;br&gt;Located in Ballroom Foyer</td>
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<td>10:30 AM - 12:00 PM</td>
<td>Evolving Requirements &amp; Long-term Needs (2)&lt;br&gt;“Evolving WLCG data access strategy and storage management strategies” - Ian Fisk, Fermi National Accelerator Laboratory &amp; the CMS Collaboration&lt;br&gt;Panel on Evolving Requirements &amp; Long-Term Needs</td>
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<td>12:00 PM - 1:30 PM</td>
<td>Lunch - Sponsored by DataDirect Networks&lt;br&gt;Located in Central City</td>
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<td>1:30 PM - 3:00 PM</td>
<td>Management &amp; Architecture - Chair: Jamie Shiers&lt;br&gt;Alternative architectures for mass storage - Dan Duffy&lt;br&gt;Federating databases and file systems through Policy-based Data management - Reagan Moore, UNC-CH&lt;br&gt;File system challenges - Peter Braam, Xyratex</td>
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<td>3:30 PM - 5:00 PM</td>
<td>Summary session - Chair: Reagan Moore</td>
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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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