



MSST2008
25th IEEE Symposium on
Massive Storage Systems and Technologies
Tutorials, and Workshops

Sheraton Inner Harbor
Baltimore, Maryland, USA
September 22 - 25, 2008
<http://storageconference.org>

Sunday, September 21, 2008

12:00pm – 5:00pm Chesapeake Gallery
Registration and Material Pick-up for Workshops,
KMS and MSST2008

Monday, September 22, 2008

Sponsor table top exhibits are in Chesapeake Gallery to visit at leisure.

Parallel Sessions: Tutorials and Workshops

7:00am – 6:00pm Chesapeake Gallery
Registration and Material Pick-up for Workshops,
KMS and MSST2008

NOTE: All workshops will have the following food breaks

7:00am – 8:30am Chesapeake III
Continental Breakfast
10:00am – 10:30am Chesapeake Gallery
AM Break
12:00pm – 1:30pm Chesapeake III
Lunch
3:00pm – 3:30pm Chesapeake Gallery
PM Break

8:30am – 5:00pm Breakfast Nook (inside hotel restaurant)
Tutorials, Chair: Tom Ruwart

8:30am – 5:00pm Chesapeake II
SNAPI'08, Storage Network Architecture and
Parallel I/Os, Chairs: André Brinkman and Roger
Chamberlain

8:30am – 5:00pm Chesapeake I
CMPD'08, Computing with Massive
Persistent Data, Chair: Maya Gokhale

8:30am – 5:00pm Potomac Room
DAPS'08, Digital Archive Preservation and
Sustainability, Chair: Ann Kerr

6:00pm – 7:30pm Chesapeake Gallery, Potomac Terrace
Welcome Reception

Tuesday, September 23, 2008

Sponsor table top exhibits are in Chesapeake Gallery to visit at leisure.

7:00am – 6:00pm Chesapeake Gallery
Registration and Material Pick-up for MSST2008,
KMS and SISW

7:00am – 8:30am Chesapeake Gallery
Continental Breakfast

8:00am – 5:15pm Chesapeake III
KMS 2008, Key Management Summit 2008,
Chair: Matt Ball

8:45am – 9:00am Chesapeake I & II
MSST 2008 Welcome and Logistics, Chair: Ben
Kobler

9:00am – 10:00am **Keynote**, Chair: Ann Kerr

The Digital Dilemma: Strategic Issues in Archiving and Accessing Digital
Materials, *Andy Maltz, Director of the Science and Technology Council,*
The Academy of Motion Picture Arts & Sciences

10:00am – 10:30am *Chesapeake Gallery*
AM Break

10:30am – 12:00pm **Scalable Storage Meets Petaflops (part 1)**,
Chair: Steve Louis

HEC and LANL File Systems and I/O Efforts, *John Bent, Los Alamos National Laboratory*

Sequoiadendron Giganteum: Infrastructure for the Petascale Giants,
Mark Gary, Lawrence Livermore National Laboratory

NSF/NCSA Blue Waters Mass Storage Infrastructures, *Michelle Butler, NCSA*

12:00pm – 1:30pm *Morton's*
Lunch

1:30pm – 3:00pm **Scalable Storage Meets Petaflops (part 2)**,
Chair: Reagan Moore

ZEST: the Maximum Reliable Terabytes Per Second Storage for Petascale Systems, *Paul Nowoczynski, PSC*

DARPA PERCS Petascale Filesystems and Storage, *Roger Haskin, IBM*

CineGrid/iRODS, *Laurin Herr, Shaofeng Liu, Jurgen Schulze, UCSD*

3:00pm – 3:30pm *Chesapeake Gallery*
PM Break

3:30pm – 5:00pm **Scalable Storage Meets Petaflops (part 3)**,
Chair: Bill Kramer

Efficiencies in High Density Storage Arrays, *Tom Ruwart, Atrato*

Roundtable Discussion

5:30pm – 7:00pm *Potomac Terrace & Chesapeake Gallery*
Baseball Evening Reception

Following the reception, Orioles Baseball Game at Camden Yards, double header, first game starts at 5:05 PM.

Tickets are being offered at a discount rate of \$10 to attendees and \$25 for guests. Please see registration desk to purchase tickets.

Wednesday, September 24, 2008

Sponsor table top exhibits are in Chesapeake Gallery to visit at leisure.

7:00am – 6:00pm *Chesapeake Gallery*
Registration and Material Pick-up for MSST2008, KMS and SISW

7:00am – 8:30am *Chesapeake Gallery*
Continental Breakfast

8:00am – 5:10pm *Chesapeake III*
KMS 2008, Key Management Summit 2008,
Chair Matt Ball

8:30am – 10:00am *Chesapeake I & II*
MSST 2008, Massive Digital Archive Systems (part 1), Chair: Bob Chadduck

Evolution of the LAADS - A Petabyte-Scale Archive and Distribution System for Global Science Products from MODIS, *Ed Masuoka and Scott Sinno, NASA Goddard Space Flight Center*

Remote Data Checking: Auditing the Preservation Status of Massive Digital Data Sets on Untrusted Stores, *Randal Burns, The Johns Hopkins University*

NanoHub: Future Cyberinfrastructure - serving over 75,000 users today, *Gerhard Klimeck, Purdue University*

10:00am – 10:30am *Chesapeake Gallery*
AM Break

10:30am – 12:00pm **Massive Digital Archive Systems (part 2)**,
Chair: Jean-Jacques Bedet

Openness, Growth, Evolution and Closure in Archival Information Systems - Lessons from the National Archives' Experience, *Ken Thibodeau, Director, ERA Program, NARA*

Magnetic Media: Proven Method for the Retention & Recovery of Data, *John Bordinuik, John Bordinuik Inc.*

Roundtable Discussion

12:00pm – 1:30pm *Mortons
Lunch*

1:30pm – 3:00pm **Massive Data Ingest and Analysis (part 1),**
Chair: Mike Mott

Large Scale, Real-Time Shared HPC SAN Design, *Rob Plaster, RPC*

The Need for Speed, *Rick Reid, SGI Defense and Strategic Systems*

Design Considerations for Large-Scale Storage Solutions, *Evans Harrigan,
Sun Microsystems*

3:00pm – 3:30pm *Chesapeake Gallery
PM Break*

3:30pm – 5:00pm **Massive Data Ingest and Analysis (part 2),**
Chair: Mike Mott

Pesky Physics: What it Means for Large Storage Solutions, *Mike Mott,
IBM*

Roundtable Discussion

6:00pm – 8:00pm *Chesapeake I & II
Dinner sponsored by John Bordynuik Inc.*

7:00pm – 8:00pm **After Dinner Speaker,** Chair: Ann Kerr

Search and Information Retrieval Methodology and its Importance in the
Conduct of Discovery of Electronically Stored Information in Civil Cases in
America, *The Honorable Paul W. Grimm, Magistrate Judge, United States
District Court, District of Maryland*

Thursday, September 25, 2008

Sponsor table top exhibits are in Chesapeake Gallery to visit at leisure.

7:00am – 12:00pm *Chesapeake Gallery
Registration and Material Pick-up for SISW*

7:00am – 8:30am *Chesapeake Gallery
Continental Breakfast*

8:30am – 5:00pm *Potomac*
SISW 2008, Security in Storage Workshop,
Chair: Jim Hughes

Break Schedule for SISW

10:30am – 11:00am *AM Break*

12:00pm – 1:30pm *Lunch for SISW only*

3:00pm – 3:30pm *PM Break for SISW only*

8:30am – 10:30am *Chesapeake I & II*
Emerging Storage Technologies Panel, Chair:
Dick Watson

Magnetic HD and OBD, *Dave Anderson, Seagate*

Magnetic Tape and RAIT, *Glen Jaquette, IBM, Distinguished Engineer*

Solid State Disk in storage Hierarchies, *Bill Moore, Sun Microsystems*

Disruptive Technologies, *Ed Schlesinger, CMU, Director: DARPA Center
for Memory Intensive Self-Configuring Integrated Circuits*

10:30am – 11:00am *Chesapeake Gallery
AM Break*

11:00am – 12:00pm **Extemporaneous Talks**

A forum for short presentations of last-minute thoughts and ideas.
Presenters will sign up for speaking slots during the symposium.

12:00pm MSST2008 Symposium Concludes