IEEE computer society

**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 Bordynuik, John Bordynuik 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*

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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