CALL FOR PAPERS

20th IEEE Symposium on Mass Storage Systems
in cooperation with
11th NASA Goddard Conference on Mass Storage Systems and Technologies

"GLOBAL ACCESS TO DISTRIBUTED STORAGE"

April 7-10, 2003, Paradise Point Resort & Spa, 1404 Vacation Road, San Diego, CA 92109

http://StorageConference.Org

The amount of data stored in mass storage systems has grown dramatically over the past few years, as has the bandwidth to such storage. Far more growth in both areas is expected in the years ahead. However, there are many problems remaining in obtaining truly global access to this data. Providing access has become a major problem, as has delivering data to those who need it, and maintaining security and integrity. Storage systems must scale to a large number of sites (both consumers and providers of data), each site holding billions of objects, with object sizes being a terabyte or larger. We are interested in papers that address issues in at least one of these "axes of innovation": number of sites, number of objects, size of objects. Papers that address two or more areas are particularly welcome. The conference will examine ongoing efforts to improve access to data and explore future possibilities for providing a truly "data anywhere" storage model. By focusing on the technology view rather than the marketing view, this conference will highlight the potential directions of large-scale storage technologies over the next three to five years and beyond.

Topics of interest include, but are not limited to:

* Security
* Data Protection, Including Resilience & Replication
* Critical Infrastructure Protection (CIP)
* Resource management
* Object storage
* Data location: Finding & Indexing
* Global Naming
* Quality of Service
* Community-Owned Data
* Collection & Management of Data
* Standards

* Reliability
* Universal Data Models
* Current Approaches
* Networks for Storage Systems

We encourage participation by organizations with both research and practical experience, including government and commercial users, universities, research laboratories, and early adopters.

We invite submissions of technical papers, tutorial proposals, and vendor briefings.

All submissions should be sent electronically in ASCII or PDF format to Reagan Moore (moore@sdsc.edu) and should include submission title, author name(s), organization, address, telephone number, fax number, and e-mail address. Also designate a primary contact person, phone number, and e-mail address. Submissions are due September 23, 2002. Authors of accepted papers will be notified by October 21, 2002.

Technical Papers: Submit a 4-5 page extended abstract. A full-length version of accepted papers will be due November 22, 2002. A final camera-ready paper incorporating reviewer comments will be due January 17, 2003. Camera-ready copy must be submitted in PDF and conform to formatting standards in order to be published in the Conference Proceedings.

Tutorial Proposals: Tutorial sessions are planned for April 7, 2003.

Submit an outline of material to be covered along with a biography for the proposed tutorial presenter. After acceptance, a full-length paper version of the tutorial may optionally be submitted by November 22, 2002. Tutorials that are converted to final version papers by January 17, 2003 will be published in the Conference Proceedings.

Vendor Briefings: A block of time will be provided during the conference to allow vendors to present information on new products. Submissions to be considered for vendor briefings ONLY should be submitted as a one page abstract.

Vendor Exhibit Area: Space for vendor product exhibits will be available on a reservation basis, in order received. Contact the Vendor Expo Chair: Gary Sobol (gary_sobol@stortek.com) to register and to discuss facilities and cost.

Additional information: at http://StorageConference.org

Conference Chairs:
Ben Kobler, NASA Goddard Space Flight Center
Jack Cole, US Army Research Laboratory

Program Committee Chairs:
Reagan Moore, SDSC
Tom Ruwart, I/O Performance, Inc.

Program Committee:

Nabil Adam, Rutgers University
Curtis Anderson, Universal Network Machines , Inc.
Jean-Jacques Bedet, SSAI
John Berbert, NASA Goddard Space Flight Center
Randal Burns, Johns Hopkins University
Robert Chadduck, National Archives and Records Administration
Jack Cole, US Army Research Laboratory
Sam Coleman, Lawrence Livermore National Laboratory (Retired)
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Bruce K. Haddon, Sun Microsystems, Inc.
Gene Harano, NCAR
P C Hariharan, SES, Inc.
Jim Hughes, StorageTek
Merritt Jones, MITRE
Ben Kobler, NASA Goddard Space Flight Center
Ethan Miller, University of California, Santa Cruz
Matt O'Keefe, Sistina Software
Paul Rutherford, ADIC
Donald Sawyer, NASA Goddard Space Flight Center
Jamie Shiers, CERN
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Publications Chairs:
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Vendor Chair:
Gary Sobol

Keynote, Invited Papers Chair:
Tom Ruwart, I/O Performance, Inc.

Panel Chairs:
Dick Watson, Lawrence Livermore National Laboratory
Paul Rutherford, ADIC

Tutorial Chair:
Jim Hughes, StorageTek

Social Functions Chair:
Ann Kerr, Scripps Institution of Oceanography

IEEE Computer Society Sponsor:
Merritt Jones, MITRE

Calendar:
September 23, 2002   Submissions Due
October 21, 2002   Acceptance or rejection notifications are mailed out

November 25, 2002   Registration Packets Sent Out
November 22, 2002   Full length Version of Papers Due
January 17, 2003   Final Version of Papers Due
April 7 - 10, 2003   Conference

Contact:

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