



4th Workshop on Interfaces and Architectures for Scientific Data Storage (IASDS)

<http://www.mcs.anl.gov/events/workshops/iasds12>

September 28 2012, held in conjunction with IEEE Cluster 2012 in Beijing, China

Scheduling change: workshop to be held on **Sept. 28**, rather than Sept. 24 as previously announced

Workshop Chairs:

Philip Carns, Mathematics and Computer Science Division, Argonne National Laboratory (carns@mcs.anl.gov)

Osamu Tatebe, Center for Computational Sciences, University of Tsukuba (tatebe@cs.tsukuba.ac.jp)

Call for Papers:

High-performance computing simulations and large scientific experiments generate tens of terabytes of data, and these data sizes grow each year. Existing systems for storing, managing, and analyzing data are being pushed to their limits by these applications, and new techniques are necessary to enable efficient data processing for future simulations and experiments.

This workshop will provide a forum for engineers and scientists to present and discuss their most recent work related to the storage, management, and analysis of data for scientific workloads. Emphasis will be placed on forward-looking approaches to tackle the challenges of storage at extreme scale or to provide better abstractions for use in scientific workloads.

Topics of interest include, but are not limited to

- parallel file systems
- scientific databases
- active storage
- scientific I/O middleware
- extreme scale storage

Past Workshops:

IASDS 2011, Austin: <http://www.mcs.anl.gov/events/workshops/iasds11/agenda.php>

IASDS 2010, Crete: <http://www.mcs.anl.gov/events/workshops/iasds10/agenda.php>

IASDS 2009, New Orleans: <http://www.mcs.anl.gov/events/workshops/iasds09/agenda.php>

Important Dates:

Paper Submission Deadline: ~~May 25, 2012~~ **extended deadline: June 1, 2012**

Author Notification: June 22, 2012

Final Manuscript Due: July 7, 2012

Workshop: ~~September 24, 2012~~ **IMPORTANT: workshop rescheduled to September 28, 2012!**

Submission Info:

See <http://www.mcs.anl.gov/events/workshops/iasds12/submissions/>

Program Committee:

Francisco Javier García Blas, Universidad Carlos III de Madrid

Hideyuki Kawashima, University of Tsukuba

Carlos Maltzahn, UCSC & Ultra-scale Research Center at
New Mexico Consortium

Shinji Sumimoto, Fujitsu

Andrew Uselton, Lawrence Berkeley National Laboratory

Philip Carns, Argonne National Laboratory

Hiroya Matsuba, Hitachi

Ron Oldfield, Sandia National Laboratory

Yoshihiro Oyama, University of Electro-Communications

Osamu Tatebe, University of Tsukuba

Pete Wyckoff, NetApp, Inc.