

30th International Conference on Massive Storage Systems and Technologies MSST 2014

Technically Co-Sponsored by



Santa Clara, California, USA

June 2 - 6, 2014

Storage Research Track June 5-6, 2014



**Sponsored by Santa Clara University
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Tutorial Chair:	Sean Roberts
Program Chair:	Dr. Matthew O'Keefe
Research Track General Chair:	Dr. Ethan Miller
Research Track Program Committee Chairs:	Dr. Zvonimir Bandic, Dr. Thomas Schwarz, SJ
SCU Arrangements:	Dr. Ahmed Amer
Vendor Chair:	Ben Kobler

First Call for Papers

Abstracts Deadline	March 17, 2014
Paper Submission:	March 22, 2014
Notifications:	April 17, 2014
Final papers due:	May 5, 2014
Research Track:	June 5 - 6, 2014
Papers published in:	IEEE Xplore

Preliminary Program Committee

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The 30th International Conference on Massive Storage systems and Technologies (MSST 2014) will have IEEE as a technical co-sponsor and will be held at Santa Clara University in the midst of Silicon Valley. The conference offers a full week dedicated to storage technology. As on previous occasions, the conference will include a two-day research track of peer-reviewed papers on the design, analysis, and implementation of and experience with storage systems. Published papers will be indexed by IEEE and appear in IEEE Xplore.

We encourage the submission of research papers on the implementation, design, and analysis of file and storage systems. Specific areas of interest for the MSST 2014 Research Track include (but are not limited to):

- Performance modeling and analysis of storage systems
- Experiences with real-world systems and data storage challenges
- Management of new and upcoming storage technologies
- Cloud storage systems and global-scale storage
- Exascale storage architecture and design
- Evaluation of networked storage architectures
- Data protection and recovery
- Data archiving
- Storage in virtualized environments
- Storage systems modeling and evaluation
- Techniques for building extremely scalable and distributed storage systems
- Parallel and distributed file systems
- Scalable metadata management
- Storage security, privacy, and provenance
- Long-term data preservation and management
- Disk and Flash based cold storage systems
- File systems for cold storage
- File systems for shingled magnetic recording hard disk drives
- File systems for solid state disk drives
- New solid state disk APIs: Object storage, key value store, memory mapping and other
- Phase change memory based storage class memory devices and systems

As is traditional, MSST will have short and full papers. Short papers are to be 4 - 6 pages in length, whereas full papers are 8 - 14 pages in length. Accepted full papers will be presented in a 30 minute session, short papers will be presented in a poster session with short (7 minutes) presentations. All papers will be published by IEEE Xplore and indexed by IEEE.

Details about the submission process and rules as well as the conference organization will be published at the conference website: <http://storageconference.org>. The submission process will be managed by easychair at <https://www.easychair.org/conferences/?conf=msst2014>.