

MSST 2019 Research Call for Papers

MSST 2019 will be held May 20-24, 2019 at Santa Clara University, Santa Clara, CA. The Research Track will be May 23 and 24.

The Research Program Committee requests the submission of research papers on the implementation, design, and analysis of file and storage systems. Specific areas of interest include, but are not limited to:

- Exascale storage architecture and design
- Parallel and distributed file systems
- Designs of integrating parallel programming and distributed storage systems
- Storage security and privacy
- Storage provenance
- Scalable metadata management
- Techniques for building extremely scalable and distributed storage systems
- Cloud storage systems and global-scale storage
- Performance modeling and analysis of storage systems
- Experiences with real-world systems and data storage challenges
- Data protection and recovery
- Data archiving
- Data compression and deduplication
- Long-term data preservation and management
- Storage for virtualized environments
- Disk and flash based primary and cold storage systems
- File systems for shingled magnetic recording hard disk drives
- File systems for solid state disk drives
- Tiered storage
- Storage virtualization
- Networked storage architectures
- New storage APIs: object storage, key-value stores, and others
- I/O stacks for low-latency storage devices
- Storage class memory devices and systems, such as phase change memory
- Storage solutions usability
- New memory technologies

As is traditional, MSST will solicit short (4-6 pages) and full (8-14 pages) papers. References are not included in page counts. Submission procedures will be published soon. Paper formats should adhere to the IEEE conference templates available at:

<https://www.ieee.org/conferences/publishing/templates.html>

Dates:

Research Track Submission Deadline: January 7, 2019

Research Track Notifications: February 15, 2019

Program Co-Chairs:

- James Hughes, UCSC
- Thomas Schwarz, Marquette University