CFP:The 2nd International Workshop on Massive Data Storage and Processing (MDSP 2013)

Call for paper: the 2nd International Workshop on Massive Data Storage and Processing (MDSP 2013) will be held in conjunction with WAIM 2013, Beidaihe, China, June 14-16, 2013.

Important dates:

Abstract due: March 21, 2013

Full paper due: March 25, 2013

Author notification: April 23, 2013

Camera-Ready deadline: April 30, 2013

Workshop date: June 14, 2013

Description

Internet companies and traditional organizations store massive data sets, such as blogs on the Web, transactions performed at Web-commerce sites, data generated by telecom switches, health care systems, and bioinformatics. To mine the scientific or commercial value hidden behind such big data, large-scale data processing techniques are required. Due to the rapid growth of data size, efficient data storage and analysis become more and more challenging. They require innovative storage technologies, scalable processing system, and operation schemas capable of managing PB-scale data.

This MDSP 2013 workshop intends to bring together researchers and practitioners from academia and industry to discuss cutting edge research on massive data storage and processing, such that the interactions among the experts of these areas can be promoted and new interdisciplinary technologies can be developed. The scope of the workshop includes both data storage and processing techniques involving massive data, as well as techniques for more specialized problems in, e.g., scientific computing, database, business intelligence, statistics, and health care.

The workshop welcomes various different kinds of papers that could optimize the performance aspects of existing data storage and processing. The papers may address issues including novel architectures for massive data storage and processing, storage networking, storage virtualization, storage for complex computing, data pre-processing, Job scheduling for computing cluster, data scheduling. Papers of applied research, industrial experience reports, work-in-progress and vision papers with different criteria for each category are also solicited. The best presented paper will receive the BEST PAPER AWARD.

Topic of Interest

The topics of interest include, but are not limited to the following:

- Distributed data management, retrieval and mining
- Novel architectures for massive storage and processing
- File systems, object-based storage, block-level storage
- Solid state drive (SSD)-based storage
- Storage virtualization and cloud storage
- Map-reduce and its generalizations
- Massive data mining
- Query processing and optimization for massive data
- Privacy Preservation
- Storage as a Service
- Storage networking
- Parallel database
- Parallel I/O architectures
- Massive data processing: algorithms, techniques, and systems
- Privacy and security in massive data processing
- Real-time processing, performance issues
- Stream data processing
- Job Scheduling and data scheduling optimization

Submission Guidelines

Papers should not exceed 10 pages in LNCS (Lecture Notes in Computer Science) format. The submission of papers must be in either PDF or Word format. We also welcome demonstration proposals and posters to foster interaction, to present system perspective on real problems, and to introduce innovative concepts. Those demo or shorter papers should not exceed 4 pages. The Authors should exclude the usage of non-English fonts to avoid the problems from reviewers' machines.

All accepted papers will be published by Springer-Verlag in the LNCS series. This ensures wide dissemination and high visibility (e.g. in the DBLP and ScienceDirect). Online proceedings will additionally be hosted at the workshop web site.

Please submit your papers using the following submission site:
https://cmt.research.microsoft.com/MDSP2013

Organizing Committee

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