



Call for Papers DCPerf '12

June 21st, 2012
Macau, China

<http://www.zurich.ibm.com/dcperf12>

Ther

The 2nd International Workshop on Data Center Performance

Data centers have become an integral part of the backbone infrastructure for information technology. In particular, they provide a cost efficient solution for provisioning a wide range of computing resources in diverse environments such as business, scientific, or mobile. Due to the rapid growth of user-defined and user-generated programs, applications and content, the complexity of deploying and operating data centers is expected to increase. Considering the high volume of mixed workloads, the diversity of services offered, and the increasing mobility of users across geographically distributed areas, the performance optimization of data centers has become ever more necessary and challenging, especially concerning criteria such as scalability, reliability, manageability, power efficiency, area density, and operating costs. As a result, adaptive and autonomic optimization strategies are essential in managing the multi-dimensional complexity of data center performance.

The goal of this workshop is to promote a community-wide discussion to find and identify suitable strategies to enable effective and scalable data center performance optimizations. We are looking for papers that present new techniques, introduce new methodologies, propose new research directions, or discuss strategies for resolving open performance problems at all layers of a data center.

Topics of interest include (but are not limited to)

- Data Center Communication
 - o Intra/Inter DC communication
 - o Network protocols
 - o Security
 - o Content distribution
 - o Empirical studies
- Data Center Performance
 - o Power/Reliability
 - o Performance evaluation/modeling
 - Data Center Virtualization
 - o Hardware support
 - o Hypervisors
 - o Virtualized storage
- Data Center Systems
 - o DC architectures
 - o Resource allocation
 - Data Center Applications
 - o Cloud computing
 - o Content distribution
 - o Hadoop applications

Important dates

Paper Registration and Submission: ~~January 30th, 2012~~ **February 10th, 2012**

Notification of Acceptance: March 7^h, 2012

Final Manuscript Due: March 20th, 2012

Conference: June 21st, 2012

Submission Guideline

Manuscripts must be limited to 6 pages plus up to 2 over-length pages in IEEE 8.5x11 format.

Templates are available at:

http://www.ieee.org/conferences_events/conferences/publishing/templates.html

Accepted papers will be published in the combined ICDCS 2012 Workshop proceedings and will be available through IEEE Xplore. All papers need to be submitted via:

<http://www.easychair.org/conferences/?conf=dcperf12>

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