



Call for Participation

DBTEST 2010: Third International Workshop on Testing Database Systems

Monday, 7 June 2010, Indianapolis, Indiana
In conjunction with SIGMOD/PODS 2010

<http://www.cs.duke.edu/dbtest2010>

New usage patterns, evolving hardware trends, and increased competition drive continuous innovation and expansion of data-processing systems. Commercial database vendors are adding new features related to ease of management, semistructured data, data compression, parallelism, reliability, and security. New data-processing systems are being developed over MapReduce backends, key-value stores, low-power devices, and widely-distributed systems. It is increasingly expensive to test and tune these systems. DBTest 2010 aims to bring together researchers and practitioners to discuss important open problems and new techniques in testing systems for data management.

Topics of Interest

Testing techniques for data-processing systems, storage services, and applications
Data and workload generation for testing
Generation of stochastic models for large test matrices
Algorithms for automatic program verification
Techniques to maximize code coverage during testing
Testing the reliability and availability of data-processing systems
Testing and designing systems that are robust to estimation inaccuracies
Testing the effectiveness of adaptive policies and components
Interactions between testing and tuning of data-processing systems
Testing data consistency Vs. availability tradeoffs
Metrics for predictability of query and workload performance
Metrics for query plan robustness
Security and vulnerability testing
War stories and vision papers

The Workshop program will be designed to foster discussion amongst the participants. The DBTEST 2010 program will offer both a panel discussion that will include panelists from both industry and academia, along with a keynote address by Phyllis Frankl of the Computer and Information Science Department, Polytechnic University, New York.

You can register for the Workshop and obtain hotel and conference information through the ACM SIGMOD website at <http://www.sigmod2010.org>.

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