

Preface

The Transaction Processing Performance Council (TPC) is a nonprofit organization established in August 1988. Over the years, the TPC has had a significant impact on the computing industry's use of industry-standard benchmarks. Vendors use TPC benchmarks to illustrate performance competitiveness for their existing products, and to improve and monitor the performance of their products under development. Many buyers use TPC benchmark results as points of comparison when purchasing new computing systems.

The information technology landscape is evolving at a rapid pace, challenging industry experts and researchers to develop innovative techniques for evaluation, measurement, and characterization of complex systems. The TPC remains committed to developing new benchmark standards to keep pace with these rapid changes in technology. One vehicle for achieving this objective is the TPC's sponsorship of the Technology Conference Series on Performance Evaluation and Benchmarking (TPCTC) established in 2009. With this conference series, the TPC encourages researchers and industry experts to present and debate novel ideas and methodologies in performance evaluation, measurement, and characterization.

The first TPC Technology Conference on Performance Evaluation and Benchmarking (TPCTC 2009) was held in conjunction with the 35th International Conference on Very Large Data Bases (VLDB 2009) in Lyon, France from August 24 to 28, 2009.

The second TPC Technology Conference on Performance Evaluation and Benchmarking (TPCTC 2010) was held in conjunction with the 36th International Conference on Very Large Data Bases (VLDB 2010) in Singapore from September 13 to 17, 2010.

The third TPC Technology Conference on Performance Evaluation and Benchmarking (TPCTC 2011) was held in conjunction with the 37th International Conference on Very Large Data Bases (VLDB 2011) in Seattle, Washington from August 29 to September 3, 2011.

The fourth TPC Technology Conference on Performance Evaluation and Benchmarking (TPCTC 2011) was held in conjunction with the 38th International Conference on Very Large Data Bases (VLDB 2012) in Istanbul from August 27 to 31, 2012.

The fifth TPC Technology Conference on Performance Evaluation and Benchmarking (TPCTC 2012) was held in conjunction with the 39th International Conference on Very Large Data Bases (VLDB 2012) in Riva del Garda, Trento, Italy from August 26 to 30, 2013.

This book contains the proceedings of the sixth TPC Technology Conference on Performance Evaluation and Benchmarking (TPCTC 2014), held in conjunction with the 40th International Conference on Very Large Data Bases (VLDB 2014) in Hangzhou, China from September 1 to 5, 2014, including 12 selected peer-reviewed papers.

The hard work and close cooperation of a number of people have contributed to the success of this conference. We would like to thank the members of TPC and the organizers of VLDB 2014 for their sponsorship; the members of the Program Committee and Publicity Committee for their support; and the authors and the participants who are the primary reason for the success of this conference.

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Traditional to Big Data

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