

Good morning everyone ! My name is Raghu Nambiar, general chair of the TPC Technology conference, a performance architect at Hewlett-Packard, and a member of the Steering Committee and Public Relations Committee of the Transaction Processing Performance Council.

It is my great pleasure and honor to welcome you to TPC TC 2009. We are glad that you can join us today. Thank you.

As you all know, this workshop is organized by the Transaction Processing Performance Council, a non-profit organization established in August 1988. The TPC is an international organization, currently has 25 full members and 3 associate members. All major systems vendors and database vendors are TPC members.

In its two-decade history, the TPC has developed several benchmark elements and has earned the reputation of providing the most credible results in the industry. Benchmark Specifications like TPC-A, TPC-B and TPC-D created a solid foundation for complete, system-level performance evaluation of database implementations. TPC-C continues to be the yardstick of OLTP implementations while TPC-E the new OLTP benchmark is gaining momentum in the industry. TPC-H continues to be the industry standard workload for data warehouse implementations. At the same time the TPC is engaged in new benchmark efforts such as TPC-ETL and TPC-DS. Foreseeing the importance of Energy Efficiency, TPC is developing energy-consumption metrics to all its benchmarks.

The world is in the midst of an extraordinary information explosion led by rapid growth in the use of internet and connected devices. Both enterprise data and user generated data levels continue to grow exponentially. GBytes and TBytes fit in our pockets. We upload them, share them and watch them. Businesses are generating more data, storing more data and retaining them for longer time. Many commercial databases have crossed the Petabyte mark.

Clearly while this information explosion is happening and performance is everything. 10 seconds to download a web page is too long. Wanting to watch my kids playing in my backyard while I fly over the Atlantic is not an unreasonable request. Few seconds to execute a stock trade is unacceptable. We are in the Web 2.0 era. Clouds don't cause rains anymore, they compute. Grids aren't used to transfer electricity; instead they transfer information. And, not all appliances belong in the kitchen; they are in datacenters.

The methodologies and benchmarks of today need to evolve to meet the demands of the technological growth. We are challenged to develop innovative new techniques that evaluate performance and benchmarking for both software and hardware.

And that's exactly what we hope to accomplish with this TPC Technology conference. We intend to facilitate collaboration between the research community and industry experts to solicit new ideas and methodologies in performance evaluation and measurement for 2010 and beyond.

We are excited to be co-located with the VLDB 2009 conference. We were pleasantly surprised by the number of papers high quality we have received. This year's paper acceptance ratio was 38%. The Conference Proceedings will be published by Springer-Verlag as Lecture Notes in Computer Science. Selected papers and ideas will be considered for future TPC benchmark developments.

We have an exciting program today consisting of excellent papers and presenters. Mike Stonebraker, recognized as one of the top five software developers of the 20th century and an adjunct professor at the Massachusetts Institute of Technology, will be deliver the keynote followed by invited talk by Karl Huppler, Chairman of the Transaction processing Performance Council.

We have a very tight schedule today. The morning sessions will focus on "emerging benchmark areas" and the afternoon sessions will focus on "new benchmark ideas". We are going to allow 15 minutes for presentations and 5 minutes for Q&A. After the conference we would like to invite you for a cocktail hour sponsored by the TPC.

In conclusion, I would like to thank the members of Transaction Processing Performance Council, organizers of the VLDB 2009 conference for their support and sponsorship of this event. Many thanks to TPC TC 2009 Program Committee, TPC TC 2009 Public Relations committee, keynote speakers, authors and presenters, and you, the participants, for making this event a success.

Thanks once again.

Raghunath Nambiar  
General Chair, TPC TC 2009