

First TPC Technology Conference on Performance Evaluation and Benchmarking

<http://www.tpc.org/tpctc2009>

Collocated with VLDB2009, 8:30AM to 8:00PM August 24, 2009 – Lyon, France
PROGRAMME

08:30 – 08:45 Opening Remarks: Raghunath Nambiar (Hewlett-Packard), General Chair

08:45 – 09:00 TPC Public Relations Presentation

Transaction Processing Performance Council (TPC): Twenty Years Later – A Look Back, A Look Ahead

Raghunath Nambiar (Hewlett-Packard), Matthew Lanken (Oracle), Nicholas Wakou (Dell), Forrest Carman (Owen Media), Michael Majdalany (LoBue & Majdalany Magt Group)

09:00 – 09:45 Keynote Speech: A New Direction for TPC, Michael Stonebraker (MIT)

09:45 – 10:30 Invited Talk: The Art of Building a Good Benchmark, Karl Huppler (IBM), Chairman TPC

10:30 – 11:00 Coffee Break

11:00 – 12:30 Session 1 - Emerging Benchmark Areas

Databases are not Toasters: A Framework for Comparing Data Warehouse Appliances

Omer Trajman (Vertica), Alain Crolotte (Teradata), David Steinhoff (ParAccel), Raghunath Nambiar (Hewlett-Packard), Meikel Poes (Oracle)

The State of Energy and Performance Benchmarking for Enterprise Servers

Andrew Fanara (US EPA), Evan Haines (ICF International), Arthur Howard (ICF International)

From Performance to Dependability Benchmarking: A Mandatory Path

Marco Vieira (University of Coimbra), Henrique Madeira (University of Coimbra)

Overview of TPC Benchmark E: The Next Generation of OLTP Benchmarks

Patricia Hogan (IBM)

12:30 – 14:00 Lunch Break

14:00 – 15:30 Session 2 - New Approaches in Benchmarking

DSQGEN, a Generic Query Generator for TPC-H

John Stephens (Gradient Systems), Meikel Poes (Oracle)

Generating Shifting Workloads to Benchmark Adaptability in Relational Database Systems

Tilmann Rabl (University of Passau), Andreas Lang (University of Passau), Thomas Hackl (University of Passau), Bernhard Sick (University of Passau), Harald Kosch (University of Passau)

Measuring Database Performance in Online Services: a Trace-Based Approach

Swaroop Kavalanekar (Microsoft), Dushyanth Narayanan (Microsoft Reserach), Sriram Sanka (Microsoft), Eno Thereska (Microsoft Research), Kushagra Vaid (Microsoft), Bruce Worthington (Microsoft)

Issues in Benchmark Metric Selection

Alain Crolotte (Teradata)

15:30 – 16:00 Coffee Break

16:00 – 17:30 Session 3 - New Benchmarks (1)

Benchmarking Query Execution Robustness

Janet L. Wiener (HP labs), Harumi Kuno (HP labs), Goetz Graefe (HP labs)

Benchmarking Database Performance in a Virtual Environment

Sharada Bose (Hewlett-Packard), Priti Mishra (VMware), Priya Sethuraman (VMware), Reza Taheri (VMware)

Principles for an ETL Benchmark

Len Wyatt (Microsoft), Brian Caufield (IBM), Daniel Pol (Hewlett-Packard)

Benchmarking ETL Processes

Alkis Simitsis (HP labs), Panos Vassiliadis (University of Ioannina), Umeshwar Dayal (HP labs), Anastasios Karagiannis (University of Ioannina), Vasiliki Tziouvara (University of Ioannina)

17:30 – 17:40 Break

17:40 – 18:40 Session 3 - New Benchmarks (2)

A Performance Study of Event Processing Systems

Marcelo R.N. Mendes (University of Coimbra), Pedro Bizarro (University of Coimbra), Paulo Marques (University of Coimbra)

The Star Schema Benchmark and Augmented Fact Table Indexing

Patrick O'Neil (University of Massachusetts at Boston), Elizabeth O'Neil (University of Massachusetts at Boston), Xuedong Chen (University of Massachusetts at Boston), Stephen Revilak University of Massachusetts at Boston)

An Approach of Performance Evaluation in Authentic Web Database Applications

Xiaojun Ye (Tsinghua University), Jingmin Xie (Tsinghua University)

18:40 – 19:00 Closing Remarks: Meikel Poes (Oracle), Program Committee Chair

19:00 – 20:00 Cocktail Hour (Sponsored by the TPC)

Proceedings

Proceedings will be published as Lecture Notes in Computer Science (LNCS) Volume by [Springer-Verlag](http://www.springer-verlag.com).

