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Soggetti	Computers Software engineering Data structures (Computer science) Computer software—Reusability Computer system failures Management information systems Computer science Theory of Computation Software Engineering/Programming and Operating Systems Data Structures and Information Theory Performance and Reliability System Performance and Evaluation Management of Computing and Information Systems Kongress. Lyon (2009)
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Nota di contenuto	Transaction Processing Performance Council (TPC): Twenty Years Later -- A Look Back, a Look Ahead -- A New Direction for TPC? -- The Art of Building a Good Benchmark -- Database Are Not Toasters: A Framework for Comparing Data Warehouse Appliances -- The State of

Energy and Performance Benchmarking for Enterprise Servers -- From Performance to Dependability Benchmarking: A Mandatory Path -- Overview of TPC Benchmark E: The Next Generation of OLTP Benchmarks -- Converting TPC-H Query Templates to Use DSQGEN for Easy Extensibility -- Generating Shifting Workloads to Benchmark Adaptability in Relational Database Systems -- Measuring Database Performance in Online Services: A Trace-Based Approach -- Issues in Benchmark Metric Selection -- Benchmarking Query Execution Robustness -- Benchmarking Database Performance in a Virtual Environment -- Principles for an ETL Benchmark -- Benchmarking ETL Workflows -- A Performance Study of Event Processing Systems -- The Star Schema Benchmark and Augmented Fact Table Indexing -- An Approach of Performance Evaluation in Authentic Database Applications.

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Sommario/riassunto

This book constitutes the reviewed proceedings of the first Conference on Performance Evaluation and Benchmarking, TPCTC 2009, held in Lyon, France, August 24-28, 2009. The 16 full papers and two keynote papers were carefully selected from 34 submissions. This book considers issues such as appliance, business intelligence, cloud computing, complex event processing, database performance optimizations, green computing, data compression, disaster tolerance and recovery, energy and space efficiency, hardware innovations, high speed data generation, hybrid workloads or operational data warehousing, unstructured data management, software management and maintenance, virtualization and very large memory systems.

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